# TABLE OF CONTENTS

About NIC ......................................................... 5
College Calendar 2021-2022 ........................................... 6
General Information .................................................. 10
Terminology and Acronyms .......................................... 13
Important Information for Students .............................. 16
Admissions .......................................................... 19
Financial Aid ....................................................... 23
Tuition and Fees Information ...................................... 25
Academic and Registration Information .......................... 27
Advising Services .................................................. 32
Workforce Training .................................................. 33
Program Offerings .................................................. 34
Interest Areas ...................................................... 38
  Arts, Communication, and Humanities ......................... 38
  Business Administration and Management .................... 38
  Healthcare ....................................................... 38
  Manufacturing and Trades ....................................... 39
  Science, Technology, Engineering, and Mathematics ....... 39
  Social Sciences and Human Services ......................... 39
AA/AS Degree Requirements ....................................... 40
AAS Degree Requirements ......................................... 44
Interstate Passport - WICHE ......................................... 45
Program Guidelines ..............................................
  Accounting Assistant (AAS) ..................................... 49
  Accounting Assistant-Bookkeeping Emphasis (ATC) ........... 50
  Accounting Assistant-Bookkeeping Emphasis (ITC) ........... 51
  Administrative Office Management Technology (AAS) ...... 52
  Administrative Office Technology (BTC) ....................... 54
  American Indian Studies (AA) ................................ 55
  American Indian Studies (AC) ................................ 56
  American Sign Language Studies (AA) ......................... 57
  Anthropology (AA) ........................................... 58
  Art (AA) ....................................................... 59
  Autobody and Paint Technology ITC ............................ 60
  Automotive Technology (AAS) ................................ 61
  Automotive Technology (ATC) ................................ 63
  Automotive Technology (ITC) ................................ 64
  Biology, Botany, and Zoology (AS) ............................. 65
  Business (AS) ................................................ 66
  Business Management (AAS) .................................. 68
  Business Management – Entrepreneurship (BTC) .......... 69
  Business Management – General Business Core (BTC) ... 70
  Business Management – Human Resource Management (BTC) .... 71
  Business Management – Supervision (BTC) ................. 72
  Carpentry and Construction Technology (ITC) ............... 73
  Chemistry (AS) ............................................... 74
  Child Development (AC) ....................................... 75
  Child Development (AS) ....................................... 76
  Child Development Associate Credential Program (AC) .... 78
  Communication (AA) .......................................... 79
  Communication (AC) .......................................... 80
  Computer Aided Design Technology–Architectural Design Option (ITC) ................................................. 81
  Computer Applications (BTC) ................................ 82
  Computer Information Technology (AAS) .................... 83
  Computer Information Technology (ATC) ..................... 85
  Computer Information Technology (ITC) ...................... 86
  Computer Science (AS) ....................................... 87
  Construction Management (AAS) ............................... 88
  Criminal Justice (AA) ......................................... 90
  Culinary Arts (AAS) .......................................... 91
  Culinary Arts (ATC) .......................................... 92
  Culinary Arts (ITC) .......................................... 93
  Cybersecurity and Networking (BTC) ......................... 94
  Dental Hygiene (AAS) ........................................ 95
  Diesel Technology (AAS) ..................................... 97
  Diesel Technology (ATC) .................................... 98
  Diesel Technology (ITC) ...................................... 99
  Diversity (AC) ............................................... 100
  Education – Elementary or Middle School Teacher Education (AA) ................................................................. 101
  Education – Secondary Education (AA) ....................... 102
  Engineering (AS) ............................................. 103
  English (AA) .................................................. 105
  Entrepreneurship (AC) ........................................ 107
  Environmental Science (AS) ................................ 108
  Fire Fighter 1 (BTC) .......................................... 109
  Fire Service Technology (AAS) ................................ 110
  Forestry/Wildlife/Range Management (AS) ................... 111
  General Studies (AA) ........................................ 112
  General Studies (AC) ........................................ 113
  Geology (AS) .................................................. 114
Graphic and Web Design AAS .......................... 115
Graphic and Web Design ATC .......................... 116
Graphic and Web Design ITC .......................... 117
Health Information Fundamentals (ITC) .................. 118
Healthcare Document Management (BTC) .............. 119
Heating, Ventilation, Air Conditioning, and Refrigeration (ITC) .......................................................... 120
History (AA) ................................................. 121
Hospitality Management (AAS) ............................ 122
Hospitality Management (ATC) ............................ 123
Hospitality Management (ITC) ............................ 124
Humanities (AA) ............................................. 125
Industrial Mechanic/Millwright (ITC) ..................... 126
Interdisciplinary Studies (AA) .............................. 127
Journalism (AA) .............................................. 128
Law Enforcement (AAS) .................................... 129
Law Enforcement (ITC) ..................................... 131
Law Enforcement (BTC) ................................... 132
Machining and CNC Technology (AAS) ................... 133
Machining and CNC Technology (ATC) ................... 135
Machining and CNC Technology (ITC) ................... 137
Mathematics (AS) ......................................... 138
Mechanical Design Engineering Technology (AAS) ...... 139
Mechanical Design Engineering Technology (ATC) ...... 140
Mechanical Design Engineering Technology (ITC) ...... 141
Mechatronics (AAS) ....................................... 142
Mechatronics (ATC) ........................................ 144
Mechatronics (ITC) ........................................ 145
Medical Administrative Assistant (AAS) .................. 146
Medical Assistant (AAS) ................................... 147
Medical Assistant (ITC) ................................... 148
Medical Billing Specialist (AAS) ............................ 149
Medical Laboratory Technology (AAS) ................... 150
Medical Receptionist (ITC) ................................ 152
Modern Languages (AA) .................................. 153
Music (AA) .................................................... 154
Network Security Administration (AAS) .................. 156
Network Security Administration (ATC) .................. 158
Network Security Administration (ITC) .................. 160
Nursing: Practical Nursing (P.N.) (ITC) .................. 161
Nursing: Registered Nursing (R.N.) (AS) .................. 162
Office Specialist/Receptionist (ITC) ....................... 165
Office Technology (ITC) ................................... 166
Outdoor Recreation Leadership (AAS) ................... 167
Outdoor Recreation Leadership (ATC) ................... 168
Outdoor Recreation Leadership (ITC) ................... 169
Paralegal (AAS) ............................................. 170
Philosophy (AA) ............................................. 171
Photography (AA) .......................................... 172
Physical Education (AS) ................................... 173
Physical Therapist Assistant (AAS) ....................... 175
Physics/Astronomy (AS) ................................... 177
Political Science and Pre-Law (AS) ....................... 178
Pre-Medical Related Fields (AS) ......................... 179
Pre-Microbiology/Medical Technology (AS) ............ 180
Pre-Nutrition (AS) .......................................... 181
Pre-Physical Therapy (AS) ................................ 182
Pre-Veterinary Medicine (AS) ............................. 183
Psychology (AS) ............................................. 184
Radiography Technology (AAS) .......................... 185
Social Work (AA) .......................................... 186
Sociology (AA) .............................................. 187
Surgical Technology (AAS) ................................ 188
Theatre (AA) ................................................ 189
Virtual Administrative Assistant (ITC) ................... 190
Wastewater Treatment Plant Technology (AAS) ......... 191
Welding Technology (AAS) ................................ 192
Welding Technology (ATC) ................................ 193
Welding Technology (ITC) ................................ 194
Course Offerings ............................................ 195

Course Descriptions ........................................ 196

Accounting (ACCT) ...................................... 196
Allied Health (ALTH) ...................................... 198
American Indian Studies (AIST) .......................... 199
American Sign Language (ASL) .......................... 200
Anthropology (ANTH) ..................................... 202
Applied Technology (ATEC) .............................. 203
Art (ART) ....................................................... 204
Automotive Technology (AUTO) ........................ 207
Bacteriology (BACT) ....................................... 209
Biology (BIOL) .............................................. 210
Botany (BTNY) ............................................. 212
Business Administration (BUSA) ........................ 213
Business Leadership (BLDR) .............................. 215
<table>
<thead>
<tr>
<th>Program</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Management (BMGT)</td>
<td>216</td>
</tr>
<tr>
<td>Cardinal Learning Commons (CLC)</td>
<td>217</td>
</tr>
<tr>
<td>Carpentry (CARP)</td>
<td>218</td>
</tr>
<tr>
<td>Chemistry (CHEM)</td>
<td>221</td>
</tr>
<tr>
<td>Child Development (CHD)</td>
<td>223</td>
</tr>
<tr>
<td>Cinema Arts (CINA)</td>
<td>225</td>
</tr>
<tr>
<td>Coeur d'Alene Language (CDA)</td>
<td>226</td>
</tr>
<tr>
<td>Collision Repair Technology (ACRR)</td>
<td>227</td>
</tr>
<tr>
<td>Communication - Journalism (COMJ)</td>
<td>228</td>
</tr>
<tr>
<td>Communication - Speech (COMM)</td>
<td>229</td>
</tr>
<tr>
<td>Computer Aided Design Technology (CADT)</td>
<td>230</td>
</tr>
<tr>
<td>Computer Applications &amp; Office Technology (CAOT)</td>
<td>232</td>
</tr>
<tr>
<td>Computer Information Technology (CITE)</td>
<td>236</td>
</tr>
<tr>
<td>Computer Science (CS)</td>
<td>240</td>
</tr>
<tr>
<td>Construction Management (CMGT)</td>
<td>242</td>
</tr>
<tr>
<td>Credit for Prior Learning (CPL)</td>
<td>243</td>
</tr>
<tr>
<td>Criminal Justice (CJ)</td>
<td>244</td>
</tr>
<tr>
<td>Culinary Arts (CULA)</td>
<td>245</td>
</tr>
<tr>
<td>Dance (DANC)</td>
<td>248</td>
</tr>
<tr>
<td>Dental Hygiene (DENT)</td>
<td>249</td>
</tr>
<tr>
<td>Diesel Technology (DSL)</td>
<td>252</td>
</tr>
<tr>
<td>Economics (ECON)</td>
<td>254</td>
</tr>
<tr>
<td>Education (EDUC)</td>
<td>255</td>
</tr>
<tr>
<td>Engineering (ENGR)</td>
<td>256</td>
</tr>
<tr>
<td>English (ENGL)</td>
<td>257</td>
</tr>
<tr>
<td>English Career and Technical (ECTE)</td>
<td>261</td>
</tr>
<tr>
<td>Entrepreneurship (ENTP)</td>
<td>262</td>
</tr>
<tr>
<td>Environmental Science (ENSI)</td>
<td>263</td>
</tr>
<tr>
<td>Fire Service Technology (FST)</td>
<td>264</td>
</tr>
<tr>
<td>Foreign Language (FLAN)</td>
<td>265</td>
</tr>
<tr>
<td>French (FREN)</td>
<td>266</td>
</tr>
<tr>
<td>Geographic Information Science &amp; Technology (GIST)</td>
<td>267</td>
</tr>
<tr>
<td>Geography (GEOG)</td>
<td>268</td>
</tr>
<tr>
<td>Geology (GEOL)</td>
<td>269</td>
</tr>
<tr>
<td>German (GERM)</td>
<td>270</td>
</tr>
<tr>
<td>Graphic Design (GDES)</td>
<td>271</td>
</tr>
<tr>
<td>Healthcare Informatics (HCIT)</td>
<td>274</td>
</tr>
<tr>
<td>Heating, Ventilation, AC, &amp; Refrigeration (HVAC)</td>
<td>275</td>
</tr>
<tr>
<td>History (HIST)</td>
<td>276</td>
</tr>
<tr>
<td>Hospitality (HOSP)</td>
<td>278</td>
</tr>
<tr>
<td>Human Resource Assistant (HRA)</td>
<td>280</td>
</tr>
<tr>
<td>Humanities (HUMS)</td>
<td>281</td>
</tr>
<tr>
<td>Interdisciplinary Studies (INTR)</td>
<td>282</td>
</tr>
<tr>
<td>Italian (ITAL)</td>
<td>286</td>
</tr>
<tr>
<td>Law Enforcement (LAWE)</td>
<td>287</td>
</tr>
<tr>
<td>Machine Technology (MACH)</td>
<td>288</td>
</tr>
<tr>
<td>Maintenance Mechanic/Millwright (MM)</td>
<td>290</td>
</tr>
<tr>
<td>Mathematics (MATH)</td>
<td>291</td>
</tr>
<tr>
<td>Mathematics Career &amp; Technical (MCTE)</td>
<td>294</td>
</tr>
<tr>
<td>Mechanical Design Engineering Technology (MDET)</td>
<td>295</td>
</tr>
<tr>
<td>Mechatronics (MECH)</td>
<td>296</td>
</tr>
<tr>
<td>Medical Assistant (MAST)</td>
<td>297</td>
</tr>
<tr>
<td>Medical Laboratory Technology (MLT)</td>
<td>299</td>
</tr>
<tr>
<td>Military Science (MSA)</td>
<td>301</td>
</tr>
<tr>
<td>Music - Applied (MUSA)</td>
<td>303</td>
</tr>
<tr>
<td>Music - Composition (MUSC)</td>
<td>308</td>
</tr>
<tr>
<td>Music - Humanities (MUSI)</td>
<td>309</td>
</tr>
<tr>
<td>Music - Performance (MUSP)</td>
<td>310</td>
</tr>
<tr>
<td>Nursing (NURS)</td>
<td>312</td>
</tr>
<tr>
<td>Paralegal (PLEG)</td>
<td>315</td>
</tr>
<tr>
<td>Pharmacy Technology (PHAR)</td>
<td>317</td>
</tr>
<tr>
<td>Philosophy (PHIL)</td>
<td>318</td>
</tr>
<tr>
<td>Photography (PHTO)</td>
<td>320</td>
</tr>
<tr>
<td>Physical Education (PE)</td>
<td>321</td>
</tr>
<tr>
<td>Physical Therapist Assistant (PTAE)</td>
<td>337</td>
</tr>
<tr>
<td>Physics (PHYS)</td>
<td>339</td>
</tr>
<tr>
<td>Political Science (POLS)</td>
<td>340</td>
</tr>
<tr>
<td>Practical Nursing (PN)</td>
<td>341</td>
</tr>
<tr>
<td>Psychology (PSYC)</td>
<td>342</td>
</tr>
<tr>
<td>Radiography Technology (RADT)</td>
<td>343</td>
</tr>
<tr>
<td>Resort Recreation Management (RRM)</td>
<td>346</td>
</tr>
<tr>
<td>Social Work (SOWK)</td>
<td>348</td>
</tr>
<tr>
<td>Sociology (SOC)</td>
<td>349</td>
</tr>
<tr>
<td>Social Science (SOSC)</td>
<td>350</td>
</tr>
<tr>
<td>Spanish (SPAN)</td>
<td>351</td>
</tr>
<tr>
<td>Surgical Technology (SURG)</td>
<td>352</td>
</tr>
<tr>
<td>Theatre (THEA)</td>
<td>354</td>
</tr>
<tr>
<td>Welding (WELD)</td>
<td>356</td>
</tr>
<tr>
<td>Wastewater Technology (WWTR)</td>
<td>358</td>
</tr>
<tr>
<td>Zoology (ZOOL)</td>
<td>359</td>
</tr>
<tr>
<td>Administration and Board</td>
<td>360</td>
</tr>
<tr>
<td>Faculty</td>
<td>361</td>
</tr>
</tbody>
</table>
Index ................................................................................................. 369
ABOUT NIC

NIC Vision, Mission, and Values Statements

Vision
As a comprehensive community college, North Idaho College strives to provide accessible, affordable, quality learning opportunities. North Idaho College endeavors to be an innovative, flexible leader recognized as a center of educational, cultural, economic, and civic activities by the communities it serves.

Mission
North Idaho College meets the diverse educational needs of students, employers, and the northern Idaho communities it serves through a commitment to student success, educational excellence, community engagement, and lifelong learning.

Values
North Idaho College is dedicated to these core values which guide its decisions and actions.

Student Success
A vibrant, lifelong learning environment that engages students as partners in achieving educational goals to enhance their quality of life.

Educational Excellence
High academic standards, passionate and skillful instruction, professional development, and innovative programming while continuously improving all services and outcomes.

Community Engagement
Collaborative partnerships with businesses, organizations, community members, and educational institutions to identify and address changing educational needs.

Stewardship
Economic and environmental sustainability through leadership, awareness, and responsiveness to changing community resources.

Diversity
A learning environment that celebrates the uniqueness of all individuals and encourages cultural competency.
# College Calendar 2021-2022

## May 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Priority deadline to apply for Fall Semester 2021 graduation.</td>
</tr>
<tr>
<td>7</td>
<td>Last day of regular Spring Semester classes.</td>
</tr>
<tr>
<td>7</td>
<td><strong>Curriculum Day.</strong> Classes that meet at 4 p.m. or later are in session.</td>
</tr>
<tr>
<td>10</td>
<td>Spring Semester textbook buy back begins at the Cardinal Bookstore and online at nic.edu/bookstore</td>
</tr>
<tr>
<td>10-13</td>
<td>Final exams.</td>
</tr>
<tr>
<td>13</td>
<td>Spring Semester ends.</td>
</tr>
<tr>
<td>15</td>
<td><strong>Commencement</strong> 10 a.m. Ceremony will stream on the NIC YouTube and Facebook pages. For more information visit nic.edu/commencement2021</td>
</tr>
<tr>
<td>17</td>
<td>Four-week and eight-week career and technical education Summer Sessions begin.</td>
</tr>
<tr>
<td>18</td>
<td>Spring Semester final grades due by 10 a.m.</td>
</tr>
<tr>
<td>19</td>
<td>Last day to register for Summer Session payment plan.</td>
</tr>
<tr>
<td>24</td>
<td>Summer Session textbooks available at the Cardinal Bookstore and online at nic.edu/bookstore</td>
</tr>
<tr>
<td>24</td>
<td>Summer Session financial aid bookstore charges begin and continue through 2:30 p.m. June 25 at the Cardinal Bookstore.</td>
</tr>
<tr>
<td>31</td>
<td><strong>Memorial Day.</strong> Campus Closed.</td>
</tr>
</tbody>
</table>

## June 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td><strong>Admission application deadline</strong> 5 p.m. for Summer Session.</td>
</tr>
<tr>
<td>6</td>
<td>Tuition and fees due for students registered for Summer Session.</td>
</tr>
<tr>
<td>6</td>
<td>Last day to submit Summer Session financial aid Maximum Timeframe Satisfactory Academic Progress (SAP) appeals for current students.</td>
</tr>
<tr>
<td>7</td>
<td><strong>Summer Session begins.</strong></td>
</tr>
<tr>
<td>7</td>
<td>Summer Session tuition and fees due at time of registration.</td>
</tr>
<tr>
<td>7-8</td>
<td>Summer Session course add/drops.</td>
</tr>
<tr>
<td>9-15</td>
<td>Summer Session course drops continue.</td>
</tr>
<tr>
<td>11</td>
<td>Four-week career and technical education Summer Session ends.</td>
</tr>
<tr>
<td>14</td>
<td>Attendance rosters for Summer Session course sections due by 10 a.m.</td>
</tr>
<tr>
<td>15</td>
<td>Drop for non-attendance of Summer Session course sections.</td>
</tr>
<tr>
<td>15</td>
<td>Last day for 100 percent refund for Summer Session.</td>
</tr>
</tbody>
</table>

## July 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Payment plan registration opens for Fall Semester.</td>
</tr>
<tr>
<td>2</td>
<td>Last day to withdraw from Summer Session courses or college.</td>
</tr>
<tr>
<td>5</td>
<td><strong>Independence Day 'Observed.'</strong> Campus closed.</td>
</tr>
<tr>
<td>9</td>
<td>Eight-week career and technical education Summer Session ends.</td>
</tr>
<tr>
<td>14</td>
<td>Second Summer Session financial aid disbursement.</td>
</tr>
<tr>
<td>19</td>
<td>Carpentry Summer Session begins.</td>
</tr>
<tr>
<td>28</td>
<td>Summer Session textbook buy back begins at the Cardinal Bookstore and online at nic.edu/bookstore</td>
</tr>
<tr>
<td>30</td>
<td>Summer Session ends.</td>
</tr>
</tbody>
</table>

## August 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Final grades for Summer Session due by 10 a.m.</td>
</tr>
<tr>
<td>9</td>
<td>Fall Semester textbooks available at the Cardinal Bookstore and online at nic.edu/bookstore</td>
</tr>
<tr>
<td>9</td>
<td>Fall Semester financial aid bookstore charges begin and continue through 2:30 p.m. October 29 at the Cardinal Bookstore.</td>
</tr>
<tr>
<td>12</td>
<td><strong>Admission application deadline</strong> 5 p.m. for Fall Semester.</td>
</tr>
<tr>
<td>13</td>
<td>Carpentry Summer Session ends.</td>
</tr>
<tr>
<td>17</td>
<td>Faculty return to campus.</td>
</tr>
<tr>
<td>17</td>
<td>Carpentry Summer Session final grades due by 10 a.m.</td>
</tr>
<tr>
<td>18</td>
<td>Housing and tuition charges due by 5 p.m. for students residing in the Residence Hall.</td>
</tr>
<tr>
<td>22</td>
<td>Tuition and fees due for students registered for Fall Semester.</td>
</tr>
<tr>
<td>22</td>
<td>Last day to submit Fall Semester financial aid Satisfactory Academic Progress (SAP) appeals for current students.</td>
</tr>
<tr>
<td>23</td>
<td><strong>Fall Semester begins.</strong></td>
</tr>
<tr>
<td>23</td>
<td>Payment required at time of registration.</td>
</tr>
<tr>
<td>September 2021</td>
<td>Date</td>
</tr>
<tr>
<td>---------------</td>
<td>------</td>
</tr>
<tr>
<td>23-29</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-7</td>
<td>Fall Semester course drops continue.</td>
</tr>
<tr>
<td>3</td>
<td>Attendance rosters for Fall Semester course sections due by 10 a.m.</td>
</tr>
<tr>
<td>6</td>
<td>Labor Day. Campus closed.</td>
</tr>
<tr>
<td>7</td>
<td>Drop for non-attendance of Fall Semester course sections.</td>
</tr>
<tr>
<td>7</td>
<td>Last day to receive 100 percent refund for Fall Semester.</td>
</tr>
<tr>
<td>7</td>
<td>Financial aid adjusted to match enrollment status. Classes added after this date will not increase Pell Grant awards.</td>
</tr>
<tr>
<td>8</td>
<td>Fall Semester course drops with a grade of W begin.</td>
</tr>
<tr>
<td>8</td>
<td>Accounts with outstanding balance assessed $50 non-refundable late fee.</td>
</tr>
<tr>
<td>10</td>
<td>First Fall Semester financial aid disbursement.</td>
</tr>
<tr>
<td>19</td>
<td>Last day to register for Fall Semester payment plan.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>October 2021</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-15</td>
<td></td>
<td>Fall Semester midterm exams.</td>
</tr>
<tr>
<td>18-24</td>
<td></td>
<td>Fall Semester financial aid Satisfactory Academic Progress (SAP) appeals accepted for current students.</td>
</tr>
<tr>
<td>19</td>
<td></td>
<td>Fall Semester midterm grades due by 10 a.m.</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>Advising Day. Classes that meet at 4 p.m. or later are in session.</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>Fall Semester financial aid charges end at 2:30 p.m. at the Cardinal Bookstore.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>November 2021</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Priority deadline to apply for Spring Semester 2022 graduation.</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Registration begins for continuing students for Spring Semester.</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Payment plan registration opens for Spring Semester.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Last day to withdraw from full-length Fall Semester courses or college.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Second Fall Semester financial aid disbursement.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Registration begins for continuing dual credit students for Spring Semester.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Registration begins for former students for Spring Semester.</td>
</tr>
<tr>
<td>15</td>
<td>Registration begins for new students including dual credit and non-degree for Spring Semester.</td>
</tr>
<tr>
<td>24-26</td>
<td>Thanksgiving Holiday. Campus Closed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>December 2021</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td></td>
<td>Last day of regular Fall Semester classes.</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Curriculum Day. Classes that meet at 4 p.m. or later are in session.</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Fall semester textbook buy back begins at the Cardinal Bookstore and online at <a href="http://nic.edu/bookstore">nic.edu/bookstore</a></td>
</tr>
<tr>
<td>13-16</td>
<td></td>
<td>Final Exams.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Fall Semester ends.</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>Fall Semester final grades due by 10 a.m.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Christmas Day 'Observed.' Campus Closed.</td>
</tr>
<tr>
<td>27-30</td>
<td></td>
<td>Holiday Break. Campus Closed.</td>
</tr>
<tr>
<td>31</td>
<td></td>
<td>New's Year Day 'Observed.' Campus Closed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>January 2022</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>Spring Semester textbooks available at the Cardinal Bookstore and online at <a href="http://nic.edu/bookstore">nic.edu/bookstore</a></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Spring Semester financial aid bookstore charges begin and continue through 2:30 p.m. March 11 at the Cardinal Bookstore.</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Faculty return to campus.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Admission application deadline 5 p.m. for Spring Semester</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Housing and tuition charges due by 5 p.m. for students residing in the Residence Hall.</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Payment due for students registered for Spring Semester.</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Last day to submit Spring Semester Satisfactory Academic Progress (SAP) appeals for current students.</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Spring Semester begins.</td>
</tr>
<tr>
<td>10-16</td>
<td></td>
<td>Payment required at time of registration.</td>
</tr>
<tr>
<td>17</td>
<td></td>
<td>Martin Luther King, Jr. Holiday. Campus Closed</td>
</tr>
<tr>
<td>17-25</td>
<td></td>
<td>Spring Semester course drops continue.</td>
</tr>
<tr>
<td>19</td>
<td></td>
<td>Last day to register for Spring Semester payment plan.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Attendance rosters for Spring Semester course sections due by 10 a.m.</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>Drop for non-attendance of Spring Semester course sections.</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>Last day for 100 percent refund for Spring Semester.</td>
</tr>
</tbody>
</table>
**February 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Presidents' Day. Campus closed.</td>
</tr>
<tr>
<td>21</td>
<td>Incomplete grades due for Fall Semester 2021.</td>
</tr>
<tr>
<td>28</td>
<td>Spring Semester midterm exams begin and continue through March 4.</td>
</tr>
</tbody>
</table>

**March 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Priority deadline to apply for Summer Session 2022 graduation.</td>
</tr>
<tr>
<td>1</td>
<td>Scholarship application priority deadline.</td>
</tr>
<tr>
<td>1-4</td>
<td>Spring Semester midterm exams.</td>
</tr>
<tr>
<td>7-11</td>
<td>Spring Semester financial aid Satisfactory Academic Progress (SAP) appeals accepted for current students.</td>
</tr>
<tr>
<td>8</td>
<td>Spring Semester midterm grades due by 10 a.m.</td>
</tr>
<tr>
<td>11</td>
<td>Spring Semester financial aid charges end at 2:30 p.m. at the Cardinal Bookstore.</td>
</tr>
<tr>
<td>25</td>
<td>Last day to withdraw from full-length Spring Semester courses or college.</td>
</tr>
<tr>
<td>25</td>
<td>Second Spring Semester financial aid disbursement.</td>
</tr>
<tr>
<td>28-31</td>
<td>Spring Break. Classes not in session.</td>
</tr>
</tbody>
</table>

**April 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3</td>
<td>Spring Break continues. Classes not in session.</td>
</tr>
<tr>
<td>7</td>
<td>Advising Day. Classes that meet at 4 p.m. or later are in session.</td>
</tr>
<tr>
<td>7</td>
<td>Registration begins for continuing students for Summer Session.</td>
</tr>
<tr>
<td>7</td>
<td>Payment plan registration opens for Summer Session.</td>
</tr>
<tr>
<td>8</td>
<td>Registration begins for continuing dual credit students for Summer Session.</td>
</tr>
<tr>
<td>11</td>
<td>Registration begins for continuing students for Fall Semester.</td>
</tr>
<tr>
<td>15</td>
<td>Registration begins for continuing dual credit students for Fall Semester.</td>
</tr>
<tr>
<td>18</td>
<td>Registration begins for former students for Summer Session and Fall Semester.</td>
</tr>
</tbody>
</table>

**May 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Priority deadline to apply for Fall Semester 2022 graduation.</td>
</tr>
<tr>
<td>5</td>
<td>Last day of regular Spring Semester classes.</td>
</tr>
<tr>
<td>6</td>
<td>Curriculum Day. Classes that meet at 4 p.m. or later are in session.</td>
</tr>
<tr>
<td>9-12</td>
<td>Final exams.</td>
</tr>
<tr>
<td>9</td>
<td>Spring Semester textbook buy back begins at the Cardinal Bookstore and online at nic.edu/bookstore</td>
</tr>
<tr>
<td>12</td>
<td>Spring Semester ends.</td>
</tr>
<tr>
<td>13</td>
<td>Commencement 10 a.m.</td>
</tr>
<tr>
<td>16</td>
<td>Four-week and eight-week career and technical education Summer Sessions begin.</td>
</tr>
<tr>
<td>17</td>
<td>Spring Semester final grades due by 10 a.m.</td>
</tr>
<tr>
<td>19</td>
<td>Last day to register for Summer Session payment plan.</td>
</tr>
<tr>
<td>23</td>
<td>Summer Session textbooks available at the Cardinal Bookstore and online at nic.edu/bookstore</td>
</tr>
<tr>
<td>23</td>
<td>Summer Session financial aid bookstore charges begin and continue through 2:30 p.m. July 1 at the Cardinal Bookstore.</td>
</tr>
<tr>
<td>30</td>
<td>Memorial Day. Campus closed.</td>
</tr>
</tbody>
</table>

**June 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Admission application deadline 5 p.m. for Summer Session.</td>
</tr>
<tr>
<td>5</td>
<td>Tuition and fees due for students registered for Summer Session.</td>
</tr>
<tr>
<td>5</td>
<td>Last day to submit Summer Session financial aid Maximum Timeframe Satisfactory Academic Progress (SAP) appeals for current students.</td>
</tr>
<tr>
<td>6</td>
<td>Summer Session begins.</td>
</tr>
<tr>
<td>6</td>
<td>Summer Session tuition and fees required at time of registration.</td>
</tr>
<tr>
<td>6-7</td>
<td>Summer Session course add/drops.</td>
</tr>
<tr>
<td>8-14</td>
<td>Summer Session course drops continue.</td>
</tr>
<tr>
<td>10</td>
<td>Four-week career and technical education Summer Session ends.</td>
</tr>
<tr>
<td>13</td>
<td>Attendance rosters for Summer Session course sections due by 10 a.m.</td>
</tr>
<tr>
<td>14</td>
<td>Drop for non-attendance of Summer Session course sections.</td>
</tr>
<tr>
<td>14</td>
<td>Last day for 100 percent refund for Summer Session.</td>
</tr>
<tr>
<td>14</td>
<td>Financial aid adjusted to match enrollment status. Classes added after this date will not increase Pell Grant awards.</td>
</tr>
</tbody>
</table>
15 Summer Session course drops with a grade of W begin.

15 Accounts with outstanding balance assessed $50 non-refundable late fee.

17 First Summer Session financial aid disbursement.

**July 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Last day to withdraw from Summer Session courses or from college.</td>
</tr>
<tr>
<td>1</td>
<td>Payment plan registration opens for Fall Semester.</td>
</tr>
<tr>
<td>1</td>
<td>Summer Session financial aid charges end at 2:30 p.m. at the Cardinal Bookstore.</td>
</tr>
<tr>
<td>4</td>
<td><strong>Independence Day.</strong> Campus closed.</td>
</tr>
<tr>
<td>8</td>
<td>Eight-week career and technical education Summer Session ends.</td>
</tr>
<tr>
<td>13</td>
<td>Second Summer Session financial aid disbursement.</td>
</tr>
<tr>
<td>18</td>
<td>Carpentry Summer Session begins.</td>
</tr>
<tr>
<td>25</td>
<td>Summer Session textbook buy back begins at the Cardinal Bookstore and online at nic.edu/bookstore</td>
</tr>
<tr>
<td>29</td>
<td>Summer Session ends.</td>
</tr>
</tbody>
</table>
About North Idaho College

Founded in 1933, North Idaho College (NIC) is a comprehensive community college located on the beautiful shores of Lake Coeur d’Alene. NIC offers an array of degrees and certificates in college transfer, career and technical, and general education programs. Approximately 6,600 students are enrolled in credit classes and more than 4,500 participate annually in non-credit courses offered by the NIC Workforce Training Center in Post Falls.

NIC’s main campus is located in Coeur d’Alene, Idaho, a lakeside city with a growing population of 52,400 residents. Metropolitan amenities are close by with Spokane, Washington, a city of approximately 222,000 just 30 minutes away.

Beyond Coeur d’Alene, NIC meets the diverse educational needs of residents in Idaho’s five northern counties with the NIC Sandpoint center in Sandpoint, Idaho, online services and courses, and comprehensive outreach services. The college’s regional facilities include the NIC Parker Technical Education Center in Rathdrum and the Workforce Training Center in Post Falls. NIC plays a key role in the region’s economic development by preparing students for work in the area businesses, industries, governmental agencies, healthcare, and social services. NIC programs, students, staff, and faculty are a vital part of the civic and cultural life of the region.

NIC offers Associate of Arts and Associate of Science degrees designed for transfer to four-year schools, and Associate of Applied Science degrees and technical certificates in its career and technical education programs.

NIC is one of four community colleges in the state of Idaho. North Idaho College works closely with its sister colleges and universities. NIC collaborates with the University of Idaho, Lewis-Clark State College, Boise State University, and Idaho State University to enhance the higher education opportunities available in North Idaho.

Accreditation

North Idaho College is accredited by the Northwest Commission on Colleges and Universities (NWCCU), an institutional accrediting body recognized by the Secretary of the U.S. Department of Education. Accreditation of an institution of higher education by the NWCCU indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the NWCCU is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution’s accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact:

Northwest Commission on Colleges and Universities
8060 165th Ave N.E., Suite 100
Redmond, WA 98052
(425) 558-4224
www.nwccu.org

Several of NIC’s programs are also accredited by program accrediting agencies. The Associate Degree in Nursing is accredited by the Accreditation Commission for Education in Nursing (ACEN). The Radiography Technology program is accredited by the Joint Review Committee on Education in Radiological Technology (JRCERT). The Medical Assistant program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAAHEP/MAERB). The Pharmacy Technology program is accredited by the American Society of Health-System Pharmacists (ASHP). The Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). The Medical Lab Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). The Dental Hygiene program is accredited by the Commission on Dental Accreditation (CODA).

History

North Idaho College was first known as Coeur d’Alene Junior College, a private school that was started in 1933 and operated for six years. The state Legislature passed the Junior College Act in January 1939, which permitted qualified areas to establish junior college districts by a vote of eligible electors. Coeur d’Alene Junior College became North Idaho Junior College in June 1939. In July 1971, the college changed its name to North Idaho College (NIC). NIC’s service area is the Idaho Panhandle, which includes Kootenai, Benewah, Bonner, Boundary and Shoshone counties.

Open-Door Admission Policy

NIC has an open-door admissions policy as a comprehensive community college committed to providing educational access for the needs of individuals with widely divergent interests and abilities. The college encourages students to explore various interest areas where they will find NIC programs that offer career pathways designed to ensure student success.

Designated courses of study have special requirements for admission. The college assesses and evaluates entering students to place them in the appropriate level courses.

Community Services

As a comprehensive community college, North Idaho College strives to provide a quality educational environment and serve area residents through involvement in the community. Both goals are vitally important to NIC and have resulted in a wide variety of educational offerings, programs, and services designed for the college community at large.
Concerts, theatrical productions, athletic competitions, convocation programs, information sessions, and other events are offered to encourage community participation and involvement. Special courses, programs, and workshops are offered to meet the varied interests of individuals and community groups.

**Cardinal Card**

The Cardinal Card is the college’s official student and employee ID card. It serves as an official form of identification, and may be used for electronic access to buildings on campus, financial aid verification, bookstore purchases, library services, community discounts, access to student programming, Outdoor Pursuit rentals, and the Student Wellness and Recreation Center. Cardinal Cash, a prepaid declining balance similar to a debit card, may be added to the Cardinal Card to allow for flexible spending options at the Cardinal Bookstore, The Market, the Caffeinated Cardinal, and for printing services across campus. For more information about the Cardinal Card, please visit [www.nic.edu/cardinalcard](http://www.nic.edu/cardinalcard/).

**NIC Foundation**

The North Idaho College Foundation was founded in 1977 through a partnership between North Idaho College and the community to encourage private support to enhance resources for educational excellence and student success at North Idaho College. The NIC Foundation, Inc. is an independent, nonprofit charitable organization governed by a volunteer board of directors comprised of civic-minded community leaders.

Consistent with college policy, the NIC Foundation solicits, accepts and stewards resources to provide student scholarships and program support at North Idaho College. The Foundation raises funds through its annual campaign, special events, and planned giving program and in coordination with the NIC Development Department.

Through contributions and prudent stewardship, NIC Foundation provides over $1 million annually for student scholarships, which students apply for through the NIC Financial Aid Office. In addition, the Foundation has invested more than $16 million in NIC capital projects, including the Molstead Library, Parker Technical Education Center, and the Meyer Health and Sciences Building. Since 1994, an additional $1.4 million has been distributed through the NIC Foundation Grant Program to inspire innovative and creative instructional and support services. The Foundation’s Really BIG Raffle fundraiser offers a grand prize of a $400,000 new home built by the NIC Carpentry program, which also serves as their primary learning laboratory.

To make a tax-deductible gift, request additional information, or inquire about charitable giving, go to [www.nic.edu/foundation](http://www.nic.edu/foundation/) or call (208) 769-5978.

**NIC Alumni Association**

The North Idaho College Alumni Association encourages a lifelong connection to North Idaho College. Membership is free and open to anyone who has completed at least 12 academic credits or the first semester of a certificate course or apprenticeship program at NIC. You don’t have to be a graduate to become a member. Membership benefits include invitations to special events, a discount on logo merchandise at the Cardinal Bookstore, Molstead Library privileges, a discount for home athletic events, and membership eligibility at the NIC Student Wellness and Recreation Center.

The NIC Alumni Association unites thousands of alumni who have chosen to express their active support for the college. To join, visit [www.nic.edu/alumni](http://www.nic.edu/alumni/) or call (208) 769-5978.

The Alumni Relations Office is located in the Sherman Administration Building.

**NIC Booster Club**

The North Idaho College Booster Club is a nonprofit organization, committed to providing financial support to the intercollegiate athletics programs through fundraising and endowment activities for student-athlete grants and team programs.

Organized in the 1960s, the NIC Booster Club supports all NIC athletics teams as a lifelong learning experience that enhances the value of sportsmanship and provides a positive experience for student-athletes, students, and fans. The club also recognizes the commitment our athletes make to the young people of our community through our Athletic Camps, Kootenai County Boys and Girls Club outreach program, the Coeur d’Alene Crossing, and the wrestling team’s Shirley Parker Reading Program.

The Booster Club holds fundraising events throughout the year including an annual auction, Hall of Fame and Awards Banquet, 3-on-3 Basketball Tournament, the Idaho State High School All-Star Basketball Game, the Cardinal Classic Golf Tournament, and the Rolly Williams Golf Tournament.

For more information or to become a member, contact the NIC Athletics Office at (208) 769-3348. Booster Club luncheons are held twice monthly throughout the school year.

**NIC Publications**

Official North Idaho College publications, such as catalogs, brochures, course and fee schedules, etc., are not to be considered binding contracts between NIC and its students. NIC and its divisions reserve the right to:

1. withdraw or cancel classes, courses, and programs;
2. change fee schedules;
3. change the academic calendar;
4. change admission and registration requirements governing instruction in, and graduation from, the college and its various divisions; and,
5. change any other regulations affecting students.

Changes shall be enacted for both prospective and presently enrolled students whenever deemed appropriate. Advance notice of changes will be provided when possible.

**Equal Opportunity Employment**

North Idaho College is an equal opportunity employer (EOE). Employment selection and other aspects of employment are made without regard to race, color, religion, sex (including
pregnancy), national origin, ethnicity, age, disability, sexual orientation (including gender identity), veteran status, or any other protected class.

In accordance with provisions of Idaho Code § 65-503, or its successor, North Idaho College is a veteran preference employer.
TERMINOLOGY AND ACRONYMS

Academic Advisor: A faculty member or staff person who is trained to assist students with educational planning for a successful college experience.

Academic Load: The number of credit hours taken in one semester.

Academic Probation: The standing of a student whose cumulative GPA is below the required 2.0.

Academic Suspension: The standing of a student whose semester GPA is below the required 2.0 while on academic probation.

Address: Permanent - The student’s home address. Residency is determined by this address. Mailing - The address used by a student while s/he is attending NIC if different from permanent address. Temporary - The address used for a short time if the local and permanent addresses are not being used.

Alumni: Individuals who have completed at least 12 NIC academic credits or the first semester of a certificate course or apprenticeship program.

American College Test (ACT): A national standardized test designed to assess a person's knowledge in English, mathematics, reading, and scientific reasoning. Exam results are often used as a requirement for college admission and sometimes for placement in college courses.

Associate’s degree: Typically requires the equivalent of two years of full-time study and the completion of a minimum of 60 semester credits of 100- and 200-level courses with a cumulative GPA of 2.0. Associate of Arts and Associate of Science Degrees are typically designed for transfer to a baccalaureate-granting institution.

Associate of Applied Science Degree: Typically requires the equivalent of two years of full-time study and the completion of a minimum of 60 credits of 100- and 200-level courses with a cumulative GPA of 2.0. Associate of Applied Science Degrees are designed to lead directly to employment in a specific career.

Audit: A student who does not want to receive credit or a grade in a course may audit the course. Audited courses will not fulfill graduation requirements and do not affect a student’s grade point average.

Bachelor’s degree (or Baccalaureate degree): Degree offered by four-year colleges and universities that typically requires the equivalent of four years of study for a minimum of 120 semester credits in lower (100 and 200) and upper (300 and 400) division courses with a cumulative GPA of at least a 2.0.

Catalog: Resource that provides essential information about a school, typically including the institution’s history and philosophy, policies and procedures, accreditation status, courses of study, degree and certificates offered, physical facilities, admission and enrollment procedures, financial aid, student life activities, etc.

Certificate programs: Programs that are at least 7 credits in a focused area or topic, typically designed to enhance or provide specific career skills.

Co-curricular Activities: Non-classroom achievements and activities that contribute to a well-rounded education, such as athletics, clubs, student government, recreational and social organizations, and events.

The College Level Examination Program (CLEP): A program administered to students who desire to obtain college credit by taking proficiency tests in selected courses.

Community College: A two-year institution of post-secondary education offering transfer, occupational, and technical curriculum.

Concurrent enrollment student: A student enrolled at two institutions simultaneously; for example, an NIC student who is also enrolled at the University of Idaho or Lewis-Clark State College.

Core course: A general education course or GEM (General Education Matriculation) course from several discipline areas that require a C- or better to satisfy requirements for an associate’s degree.

Co-requisite course: A course that must be taken concurrently with another course or courses unless it was previously completed with the required minimum grade.

Counselor: A professional trained to assist students with being successful in college by strengthening psychological, emotional, and behavioral wellness.

Curriculum: Classes outlined by an institution that are required for completion of a program of study leading to a degree or certificate.

Degree requirements: An institution’s minimum requirements for awarding a degree typically including total credit hours, required GPA, and courses needed in a specified program of study.

Department: An organizational unit in a higher education institution responsible for the academic functions associated with a discipline or field of study, such as History or Diesel Mechanics.

Division: An administrative unit of an institution usually consisting of more than one department, or a branch of the institution, instructional or not, such as the Student Services Division.

Dual Credit: A program allowing eligible high school juniors and seniors to enroll in NIC courses. Credit for both high school and college may be awarded.

Educational Technology: Technology used for instruction (e.g. website, learning management system, textbook integration, mobile application, lecture capture, web conferencing, streaming media).

Elective: A course that is not specifically required and is chosen by the student based on educational objectives.
Faculty: Individuals who teach classes at a college or university.

Fees: Charges not included in tuition which are used to cover the cost of materials and equipment needed in certain courses; may also be assessed for student events, programs, and publications.

Final exams: End-of-the-semester assessments given in individual courses.

Financial aid: Aid for paying college expenses including grants, scholarships, loans, and part-time employment from federal, state, institutional, and private sources. Financial aid from these programs may be combined in an "award package" toward the cost of college.

Free Application for Federal Student Aid (FAFSA): The qualifying form used for all federal and government guaranteed commercial lenders’ programs, as well as many state, regional, and private student aid programs. By filling out the online or paper FAFSA, applicants start the process of qualifying for financial aid.

Full-time enrollment: Twelve or more credit hours per semester is considered full-time for financial aid purposes. Students are encouraged to earn at least 15 credits per semester whenever possible to complete full-time program pathways.

Gateway Courses: Courses identified in program pathways as an early indicator of student readiness for further study. These courses typically include key topics, concepts and learning expectations that are foundational to the program.

General Education Diploma (GED): Often referred to as General Education Development, the GED is the equivalent of a high school diploma based on completion of coursework and achievement of minimum scores on a set of standardized tests in language arts, math, science, and social studies.

Grade Point Average (GPA): The average score of student performance in courses each term of enrollment and in total for all courses taken at NIC.

Hybrid course: A course that combines face-to-face and online instruction. A substantial portion of the course learning activities (typically 30-70%) are delivered online.

Interactive video conference course: A course delivered to off-campus sites by technology that allows interaction between students and faculty through two-way audio and video.

Interest Areas: Groupings of college programs with similar education and career goals. Interest areas help students choose a direction when they are unsure about the specific certificate or degree to pursue when they begin college. Interest areas at NIC may include transfer and career programs under one heading. NIC has established six interest areas: Arts, Communication and Humanities, Business Administration and Management, Healthcare, Manufacturing and Trades, Social Services and Human Resources, and Science, Technology, Engineering, and Mathematics (STEM).

Interstate Passport: A nationwide network of accredited two- and four-year institutions that promote transfer through a block of lower-division undergraduate general education learning outcomes and proficiencies.

Late-start course: A course that begins after the start of a term or semester.

Lecture/laboratory/discussion courses: Refers to the various ways that instruction is delivered. Lecture is a faculty-led presentation of course content, laboratory involves learning in an environment that requires measurement, materials, and observation, and discussion emphasizes student engagement with course material that is facilitated by faculty.

Matriculated Student: An individual who is admitted and enrolled in a degree or certificate program of study. Matriculated students are eligible for financial aid and may participate in varsity athletics.

Mid-term exams: Assessments given on material covered during the first half of the semester.

Milestone Courses: A course identified in program pathways to mark achievement toward a certificate or degree. Milestone courses may draw together foundational knowledge, integrate learning, and foster key co-curricular experience.

Non-credit courses: A course which does not count toward certificate or degree requirements that allows students to explore new fields of study, increase proficiency in a particular skill area or profession, develop potential, or enrich life experiences.

Online learning: Courses identified as Hybrid or Online in the North Idaho College Course Catalog.

Open-door institution: Institutions with an admission policy that allows anyone who meets certain age requirements to be admitted. Enrollment in courses may require placement or some level of proficiency or preparation.

Pathways at NIC: A comprehensive, research-based approach to strengthening how the college supports student achievement of educational and career goals. Pathways at NIC integrate thoughtfully designed program plans, improved student intake processes, and best practices for instruction and developmental education.

Pre-requisite: A condition that must be met before a student may enroll in a course.

Program Pathways: Maps of program course sequences with related co-curricular activities and experiences that promote student completion of the certificates and degrees.

Resident/Non-resident status: Determination of domicile that establishes tuition charges based on state statute or code.

Scholastic Aptitude Test (SAT): A national standardized test designed to assess a person's knowledge in English, math, reading, and other areas. Exam results are often used as a requirement for admissions and sometimes for placement in college courses.
**Service Learning:** Learning that actively involves students in experiences outside of the classroom which often benefit others while advancing the goals of a given program.

**Short-term course:** A course that begins at the start of a term but is completed prior to the end of the term.

**Syllabus:** A summary of the course containing specific information such as how to contact the instructor, the instructor's office location and office hours, an outline of what will be covered, a schedule of test dates and due dates for assignments, the grading for the course and other specific requirements.

**Transcript:** A student's official academic record of courses taken, grades received, academic status, certificates, degrees conferred, and honors received.

**Transfer of credits:** Acceptance of credits earned at one institution by another institution.

**Tuition:** The charge for instruction at a college or university. Tuition does not include the cost of books, fees, or room and board. Tuition charges vary based on various factors, including resident status.

**Tutor:** A person with demonstrated knowledge in a subject who provides instruction to a student.

**Undergraduate:** A student who is pursuing a program of study at or before the baccalaureate degree.

**University:** An institution of higher learning that offers baccalaureate and post-graduate degrees and programs.

**Waitlist:** An option for students to indicate they want to enroll in a class that has reached its capacity and is closed.

**Western Interstate Commission for Higher Education (WICHE):** A 16 state regional non-profit organization supporting collaboration to expand education access and excellence. WICHE programs include Interstate Passport.

### Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>Associate of Arts Degree</td>
</tr>
<tr>
<td>AAS</td>
<td>Associate of Applied Science Degree</td>
</tr>
<tr>
<td>AC</td>
<td>Academic Certificate</td>
</tr>
<tr>
<td>ACT</td>
<td>American College Testing</td>
</tr>
<tr>
<td>ADA</td>
<td>Americans with Disabilities Act</td>
</tr>
<tr>
<td>ALEKS PPL</td>
<td>Assessment and Learning in Knowledge, Spaces, Placement, Preparation, and Learning (Math Placement)</td>
</tr>
<tr>
<td>AS</td>
<td>Associate of Science Degree</td>
</tr>
<tr>
<td>ASE</td>
<td>Automotive Service Excellence</td>
</tr>
<tr>
<td>ATC</td>
<td>Advanced Technical Certificate</td>
</tr>
<tr>
<td>BA</td>
<td>Bachelor of Arts Degree</td>
</tr>
<tr>
<td>BS</td>
<td>Bachelor of Science Degree</td>
</tr>
<tr>
<td>BTC</td>
<td>Basic Technical Certificate</td>
</tr>
<tr>
<td>CC</td>
<td>Certificate of Completion</td>
</tr>
<tr>
<td>CEU</td>
<td>Continuing Education Unit</td>
</tr>
<tr>
<td>CLEP</td>
<td>College Level Examination Program</td>
</tr>
<tr>
<td>CTE</td>
<td>Career and Technical Education</td>
</tr>
<tr>
<td>DS</td>
<td>Directed Study</td>
</tr>
<tr>
<td>DSS</td>
<td>Disability Support Services</td>
</tr>
<tr>
<td>EFC</td>
<td>Expected Family Contribution</td>
</tr>
<tr>
<td>EOE</td>
<td>Equal Opportunity Employment</td>
</tr>
<tr>
<td>FAFSA</td>
<td>Free Application for Federal Student Aid</td>
</tr>
<tr>
<td>FERPA</td>
<td>Family Educational Rights and Privacy Act</td>
</tr>
<tr>
<td>FSEOG</td>
<td>Federal Supplemental Educational Opportunity Grant</td>
</tr>
<tr>
<td>GED</td>
<td>General Education Diploma</td>
</tr>
<tr>
<td>GEM</td>
<td>General Education Matriculation</td>
</tr>
<tr>
<td>GPA</td>
<td>Grade Point Average</td>
</tr>
<tr>
<td>IELTS</td>
<td>International English Language Testing System</td>
</tr>
<tr>
<td>ITC</td>
<td>Intermediate Technical Certificate</td>
</tr>
<tr>
<td>NATEF</td>
<td>National Automotive Technicians Education Foundation</td>
</tr>
<tr>
<td>NIC</td>
<td>North Idaho College</td>
</tr>
<tr>
<td>NWCCU</td>
<td>Northwest Commission on Colleges and Universities</td>
</tr>
<tr>
<td>PELL</td>
<td>Federal Pell Grant</td>
</tr>
<tr>
<td>SAT</td>
<td>Scholastic Aptitude Test</td>
</tr>
<tr>
<td>TCC</td>
<td>Technical Competency Credit</td>
</tr>
<tr>
<td>TDC</td>
<td>Technical Dual Credit for High School Students</td>
</tr>
<tr>
<td>TOEFL</td>
<td>Test of English as a Foreign Language</td>
</tr>
<tr>
<td>TSA</td>
<td>Technical Skills Assessment</td>
</tr>
<tr>
<td>TWC</td>
<td>The Write Class (English Placement)</td>
</tr>
<tr>
<td>WICHE</td>
<td>Western Interstate Commission for Higher Education</td>
</tr>
<tr>
<td>WUE</td>
<td>Western Undergraduate Exchange Program</td>
</tr>
</tbody>
</table>
**IMPORTANT INFORMATION FOR STUDENTS**

### Consumer Information

North Idaho College’s consumer information provides prospective students, current students, and community members with information about North Idaho College. This information is provided in compliance with the Higher Education Act of 1965 as amended, the Family Educational Rights and Privacy Act, the Student Right to Know Act, the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, the Equity in Athletics Disclosure Act, the Drug Free Workplace Act and the Drug Free Schools and Communities Act. Hard copies are available upon request. Go to www.nic.edu (http://www.nic.edu) to view all documents.

### Student Records, Confidentiality, and FERPA

The Family Educational Rights and Privacy Act of 1974 (FERPA) requires that North Idaho College adopt guidelines concerning the right of a student to inspect his or her educational record. The information on these pages is designed to assist students in knowing the guidelines and protecting their confidentiality.

### Release of Personally Identifiable Records

The college does not permit access to or the release of educational records, or personally identifiable information other than “directory information” without the written consent of the student, to any other party other than the following:

- Administrative/support staff and college faculty when information is required for a legitimate educational interest within the performance of their responsibilities to the college, with the understanding that its use will be strictly limited to those responsibilities.
- Federal and state officials requiring access to educational records in connection with the audit and evaluation of a federal or state supported educational program or in connection with the enforcement of the federal or state legal requirement which will not permit the personal identification of students and their parents to anyone other than those officials. Such personally identifiable data shall be destroyed when no longer needed for such audit, evaluation, or enforcement of legal requirements.
- Agencies or individuals requesting information in connection with the student’s application for, or receipt of, financial aid.
- Organizations conducting studies for, or on behalf of, the college for purposes of developing, validating, or administering predictive tests; administering student aid programs; and improving instruction. Such studies shall be conducted in such a manner that will not permit the personal identification of students by persons other than representatives of such organizations, and such information shall be destroyed when no longer needed for the purposes for which it was provided.
- Accrediting organizations in order to carry out their accrediting functions.

- Any person or entity designated by judicial order or lawfully issued subpoena, upon condition that the college makes a reasonable effort to notify the student of all such orders or subpoenas in advance of the compliance therewith.
- Information from educational records may be released to appropriate persons in connection with an emergency if the knowledge of such information is necessary to protect the health or safety of a student or other person(s).

### Directory Information

The term “directory information” at North Idaho College is defined as including student:

1. Name
2. Address
3. Phone number
4. Email address
5. Dates of attendance
6. Freshman/sophomore classification
7. Previous institution(s) attended
8. Program of study
9. Awards/honors (including Dean’s List)
10. Degree(s) conferred (including dates)
11. Past and present participation in officially recognized sports and activities
12. Weight and height of members of athletics teams

Students may request through Cardinal Central that the college not release directory information.

Cardinal Central will assist students who want to inspect their records. Records covered by FERPA will be made available within 45 days and the college may charge reasonable fees for preparing copies for students. This includes records that are kept in the following offices:

1. Admissions
2. Registrar
3. Financial Aid
4. Veterans Services
5. Student Activities
6. Intercollegiate Athletics
7. Vice President for Student Services

The college reserves the right to have a college representative present during the review of the student’s record and the representative may offer interpretation of the data within the record.

Some records may be withheld by the college. For example, academic transcripts are routinely withheld if the student has a financial obligation to the college. Medical records may be released to the student’s physician rather than to the student. Students may not inspect financial information submitted by their parents, confidential letters associated with admissions, and records to which they have waived their inspection rights. In the event a record contains information about other persons, the college will release only the portion of the record that pertains to the student.
NIC will not release records that are not owned by the college.

**Family Educational Rights and Privacy Act of 1974 (FERPA) Hearing Process**

Upon examination of records, a student who believes that his or her record is inaccurate or misleading can request a formal hearing. Requests for a hearing should be directed in writing to Cardinal Central. When a date, time, and place for the hearing has been established, a student may present evidence at the hearing and be represented by an attorney, at the student’s expense. The hearing panel will include the Vice President for Student Services or appointed designee and the student’s advisor/instructor. The hearing process does not replace other processes for student grievances. The decision of the hearing panel will be based solely on the evidence presented at the hearing. A written summary of the hearing will be prepared and distributed to all parties. The summary will include the reasons behind any decisions made by the hearing panel. The student’s records may be amended in accordance with the ruling of the hearing panel.

A student may add comments to his or her record if the student is not satisfied with the ruling of the hearing panel. Such comments will be released whenever the records in question are disclosed. Students who believe the hearing panel results are in error may contact the FERPA Office, United States Department of Education, Room 4074, Switzer Building, Washington, D.C. 20202.

**Title IX of Education Amendments of 1972—Sexual Discrimination**

Title IX and its implementing regulation, at 34 C.F.R. § 106.31 (a), provide that no person shall on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any academic, extracurricular, research, occupational training, or other education program or activity operated by the college.

Sexual harassment is a form of sex discrimination prohibited by Title IX. Sexual harassment is unwelcome conduct of a sexual nature and can include unwelcome sexual advances, requests for sexual favors, and other verbal, nonverbal, or physical conduct of a sexual nature, including rape, sexual assault, sexual battery and sexual coercion or other sexual misconduct.

Sexual harassment of a student can deny or limit, on the basis of sex, the student’s ability to participate in or to receive benefits, services, or opportunities in the school’s program.

Any student, faculty, or staff member with questions or concerns about sex discrimination or sexual harassment or who believes that he or she has been the victim of sex discrimination or sexual harassment may contact the Title IX Director for assistance. The Title IX Director is available to discuss options, explain college policies and procedures, and provide education on relevant issues.

Title IX complaints involving student complainants and student respondents will be referred to the Title IX Director for investigation and shall be subject to the Student Conduct Code.
Headwaters Complex at 703 Military Drive, Coeur d’Alene or by calling (208) 769-3310 or at www.nic.edu/security (http://www.nic.edu/security/).

Crime Statistics
The personal safety and security of students, employees, and visitors, including the protection of property, are high priorities at North Idaho College.

NIC security information is provided to you as part of NIC’s commitment to safety and security and in compliance with the Federal Crime Awareness and Campus Security Act of 1990.

Creating and maintaining a healthy and safe campus environment requires the cooperation and involvement of everyone. All students, employees, and visitors must assume responsibility for their personal health and safety and the security of their personal belongings. Our institution is safer than most places, but it’s not crime free. Theft, assaults, and other violations of the law can occur at North Idaho College.

Please refer to www.nic.edu/security (http://www.nic.edu/security/) for detailed information on crime statistics, the Annual Security and Fire Report, reporting procedures, Title IX information, awareness training, and tips on maintaining a safe campus. A printed copy of the Annual Security and Fire Report, which provides crime and fire data for NIC, is available upon request, by calling (208) 769-3310. Updates to security policies and procedures are posted in a timely manner; the security webpage will list the most current updates available.

NIC Campus Security can be contacted by calling (208) 769-3310; this number is answered 24/7/365. The Campus Security Office is located at 703 Military Drive, Coeur d’Alene.

Emergency Phones
Emergency phones, which dial directly to the Campus Security Office, are located throughout the campus grounds. These phones are mounted on freestanding poles and are identified with a flashing blue light. The phones are for the use of students, employees, or visitors in case of an emergency or the need for assistance, such as an escort or vehicle jump-start. Emergency phone location maps are available at the Campus Security Office and Cardinal Card Office.

Emergency Preparedness
All college employees and students have a responsibility to engage in their own safety and security. North Idaho College has several notification systems used during campus emergencies. The notification system utilizes a series of beacons that will sound an alarm in college buildings when activated as well as take over the screens of all networked computers with an alert message. In addition, the system sends alert messages via email, voicemail, and text message to all contacts in the MyNIC system. Employees and students are automatically signed up to receive NIC Emergency Alert messages. Please ensure that you’ll receive alerts by checking your contact information in MyNIC. Log in to MyNIC and then under the “Services” tab, click “User Account” then “Contact Information.” Phone numbers listed as “Cell” will receive text messages; phone numbers listed as “Business” or “Home” will receive voicemail. More lockdown and shelter-in-place guidelines are available at www.nic.edu/security (http://www.nic.edu/security/). There, you can also watch the emergency preparedness video to review responses in an active shooter situation. The college tests emergency procedures with college-wide drills.

Service Animals on Campus
Service Animals are permitted to accompany individuals with disabilities in all areas of North Idaho College’s facilities where members of the public, students, participants in services, programs, or activities, or invitees are allowed to go. Service animals are defined by the Americans with Disabilities Act (ADA) as any dog that is individually trained to do work or perform tasks for the benefit of an individual with a disability, including a physical, sensory, psychiatric, intellectual, or other mental disability. Service animals do not need to wear a vest or have identification. Service animals are required to be leashed or harnessed except when performing work or tasks where such tethering would interfere with the animal’s ability to perform work or tasks, in which case the animal must be otherwise under the handler’s control. Individuals should not be approached with questions about their service animals. Please do not pet, feed, or interfere with a service animal in any way.

Questions or concerns about service animals should be directed to Disability Support Services, (208) 769-7794 or (208) 665-4520. Please see the “Service Animal” link under the NIC Disability Support Services website at www.nic.edu/dss (http://www.nic.edu/dss/) to view the entire Service Animal Practices.

Nondiscrimination Clause
North Idaho College does not discriminate on the basis of race, color, religion, sex (including pregnancy), national origin, ethnicity, age, disability, sexual orientation (including gender identity), veteran status, or any other protected class.

Inquiries regarding compliance with this non-discrimination policy and the college’s grievance process may be directed to the Chief Human Resources Officer at the NIC Human Resources Offices Headwaters Complex B, 710 Military Drive, Coeur d’Alene, Idaho, 83814, (208) 769-4372 or, contact the Title IX Officer in the Student Services Office, Room 200 of the Edminster Student Union Building, or at (208) 769-5970.
ADMISSIONS

Getting Started

Admissions

North Idaho College’s open-door admissions policy reflects a commitment of access to higher education. We welcome students with diverse backgrounds and experiences regardless of race, religion, color, national origin, sex, and/or disability seeking to benefit from our educational programs and services. Enrollment in some courses require placement or demonstrated proficiency. Additional application materials are required for admission to selective and limited enrollment programs.

General Admissions

Students who are pursuing a degree or certificate, or who are applying for financial aid, must submit an admissions application. The application steps are:

- Complete the application for admission (available online at www.nic.edu/apply)
- Submit one of the following:
  - Official high school transcript showing graduation
  - Official home school transcript showing high school/secondary school graduation
  - Official GED test scores.
- Submit valid ACT or SAT scores no more than four years old or results from NIC placement for English and math, found at www.nic.edu/placement.

Placement Assessment

Placement assessment scores are used to identify the first courses students need to begin their studies at NIC. Students who are not able to provide valid ACT or SAT scores no more than four years old are required to complete the NIC placement assessment for English and math. Enrollment in courses with an English or math prerequisite (or equivalent placement scores) may also require completion of the placement assessment.

Math Placement

ALEKS PPL (Assessment and Learning in Knowledge Spaces, Placement, Preparation, and Learning) is used to help determine appropriate NIC math course registration. Visit www.nic.edu/mathplacement for more information about the math placement process.

English Placement

TWC (The Write Class) is a free, unproctored online assessment for NIC English course placement. TWC may be accessed from any Internet browser at nic.thewriteclass.org.

If you have questions about placement assessments, contact Cardinal Central at (208) 769-3311.

Non-High School Graduates

Students without a high school diploma may be admitted as a degree-seeking student after passing the General Education Diploma (GED) tests.

Application Types

Degree-Seeking

Degree-seeking students enroll in courses that lead to a specific certificate or degree. Degree-seeking students are also eligible to apply for federal financial aid, but are not guaranteed an award.

Dual Freshman

Dual Freshman are students who attended North Idaho College through the Dual Credit program and continue their enrollment as a degree-seeking student. Dual Credit students planning to continue as a Dual Freshman need to reapply at www.nic.edu/apply.

First-time Freshman

First-time Freshman are students who have never attended college and have no college credits to transfer. Apply as a First-time Freshman at www.nic.edu/apply.

Former Students

Students who have previously attended NIC but have not been enrolled for one or more semesters, excluding summer, need to reapply at www.nic.edu/apply.

Transfer

Students who have attended other institutions and received college credit must apply as a transfer student and list their former colleges. It is important applicants have their transcripts sent to North Idaho College from their former schools. All prior education and training will be evaluated, including transcripts from any other college, university, vocational school, and military transcripts. Transfer coursework evaluations assist advisors in mapping out courses students still need to earn a certificate or degree. Apply as a transfer student at www.nic.edu/apply.

Non-Degree Seeking Students

Students interested in taking classes for personal enrichment, to improve job skills, or for other educational purposes may attend as non-degree seeking students by filling out a non-degree application at www.nic.edu/apply. Non-degree seeking students are not admitted to an academic program, may not apply for federal financial aid, and are not eligible to graduate with a certificate or degree.

International Students

International students must have graduated from a secondary school and have the minimum English language proficiency to succeed in college. International students who are transferring from a college or university must have a minimum 2.0 grade point average.

All application materials from students living abroad should be sent to Cardinal Central at least six months prior to registration in order to allow time for evaluation and notice of acceptance. International students applying from within the United States need to submit all materials no less than one month prior.
to registration. The college will issue an I-20 to accepted students who provide the appropriate admissions and financial documentation.

The following items are required for all international applicants:

1. International Student Application for Admission found at www.nic.edu/apply (https://www.nic.edu/apply/).
2. Official secondary (high school) transcript and confirmation of graduation (an original, certified English translation must accompany those documents that are not in English).
3. Official transcripts from all colleges attended (an original, certified English translation must accompany documents that are not in English).
4. Official Test of English as a Foreign Language (TOEFL). Scores of at least 500 (paper-based), 173 (computer-based), and 61 (Internet-based) or official International English Language Testing (IELTS) scores of at least 5. Information about the TOEFL is available at www.ets.org (http://www.ets.org). Information about IELTS is available at www.ielts.org (https://www.ielts.org/).
5. Certificate of Health signed by a recognized medical agency which includes complete immunization records.
6. Proof of health insurance.
7. Financial Declaration: International students must submit proof from a financial institution demonstrating sufficient financial resources to fully cover the costs of tuition, books, fees, room and board, and all personal expenses for one academic year. North Idaho College does not offer financial assistance to international students. For the current tuition and fees schedule, visit www.nic.edu/tuition (http://www.nic.edu/tuition/).

Send all materials to:
Cardinal Central
North Idaho College
1000 West Garden Avenue
Coeur d’Alene, ID 83814 USA

**Dual Credit**

Dual credit allows eligible high school and home school juniors and seniors to enroll in NIC courses on campus, online, or at their high school. Credit can be earned for both high school and college requirements. Dual credit students are not eligible for financial aid. Some scholarships are available. Complete details about the Dual Credit program are available through high school counselors, the Dual Credit Office, and www.nic.edu/dualcredit (http://www.nic.edu/dualcredit/).

To be eligible, students should be at least 16 years old or have successfully completed at least half of their graduation requirements as approved by their high school counselor.

**Dual Credit Application and Registration Process:**

1. Meet with a high school counselor to determine eligibility.
2. Complete the application for admission available at www.nic.edu/apply (https://www.nic.edu/apply/).
3. Submit a completed Dual Credit Authorization Form, with high school counselor and parent signatures.
4. Take the NIC placement assessment for English or Math, found at www.nic.edu/placement (http://www.nic.edu/placement/) or submit valid ACT or SAT scores, no more than four years old, for course placement.
5. Meet with a Dual Credit advisor to plan a pathway of courses.

For more information, contact the Dual Credit Office at (208) 625-2329 or go to www.nic.edu/dualcredit (http://www.nic.edu/dualcredit/).

**Dual Credit Career and Technical Education (CTE)**

Dual Credit CTE is an advanced learning opportunity that links approved high school technical courses to technical certificate and degree programs at the college level. Students enrolled in approved high school programs throughout the state may receive credit from North Idaho College that is counted toward a career and technical education certificate or degree. This allows students to begin working on an Associate of Applied Science Degree or a Technical Certificate while still in high school. CTE credits may be paid for by Fast Forward funds.

For more information about CTE opportunities, contact the Regional Transition Coordinators at (208) 625-2329 or go to www.nic.edu/cte (http://www.nic.edu/cte/).

**Programs with Special Admission Requirements**

**Limited Enrollment Career and Technical Education Programs**

Certain career and technical education (CTE) programs with limited capacity have specific admission requirements.

The limited enrollment CTE programs are:

- Automotive Technology
- Carpentry and Construction Technology
- Autobody and Paint Technology
- Computer Aided Design Technology
- Construction Management
- Culinary Arts
- Industrial Mechanic/Millwright
- Diesel Technology
- Heating, Ventilation, Air Conditioning/Refrigeration
- Machining and CNC Technology
- Mechanical Design Engineering Technology
- Mechatronics
- Outdoor Recreation Leadership
- Wastewater Treatment Plant Technology
- Welding Technology

Applicants to these programs should submit all required materials three to six months prior to the start of the term. Offers of acceptance are made on a space available basis for qualified applicants only after the college has received the following items:

- An application for admission to NIC and the specific program.
- Assessment materials in the form of English and Math placement found at www.nic.edu/placement (http://www.nic.edu/placement/), SAT, ACT test scores, or transcripts of previous college coursework in math and English.
Students must have made satisfactory academic progress or have the permission of the division chair to begin a limited enrollment CTE program.

For more information, contact Cardinal Central at (208) 769-3311 or the Career and Technical Education Student Support Services Office at (208) 769-3468.

Selective Enrollment Programs
The following programs are selective entry and have specific admission requirements. Application packets for these programs, with the exception of Law Enforcement, are available online at www.nic.edu/cardinalcentral (http://www.nic.edu/cardinalcentral/) during the application period. Additional information may be found in the catalog Program Guidelines.

- Computer Information Technology
- Dental Hygiene
- Graphic and Web Design
- Healthcare Computer Technician
- Law Enforcement
- Medical Assistant
- Medical Laboratory Technology
- Network Security Administration
- Pharmacy Technology
- Physical Therapist Assistant
- Practical Nursing
- Radiography Technology
- Registered Nursing
- Surgical Technology

Students accepted into Nursing programs are required to pay a $100 non-refundable deposit within two weeks of acceptance. The deposit will be applied toward tuition and fees.

NIC Outreach and Regional Locations
NIC has an outreach center in Sandpoint. The center offers a variety of services, including admissions and academic advising, proctored testing, credit and non-credit courses, Adult Education courses, and GED instruction and testing. Transportation to outreach centers and other off-campus college facilities is not provided by North Idaho College. To learn more about the specific services and courses offered at the regional locations, go to www.nic.edu/outreach (http://www.nic.edu/outreach/) or call or visit:

NIC at Sandpoint
102 South Euclid Street
Sandpoint, ID 83864
(208) 263-4594

Parker Technical Education Center
7064 W Lancaster Rd
Rathdrum, ID 83858
(208) 769-3448

Workforce Training Center
525 South Clearwater Loop
Post Falls, ID 83854
(208) 769-3333

Residency Status
Residency for tuition purposes is governed by Idaho State Code. Under current Idaho State Code 33-2110A,

“...a student in a community college shall not be deemed a resident of the district, or of a county, or of the State of Idaho, unless such student shall have resided within said district, county, or state, for at least one (1) year continuously prior to the date of his/her first enrollment in said community college.”

“Counties in Idaho are liable for the out-of-district tuition so long as the student is duly enrolled and attending the college. This liability shall be for six (6) semesters or the term of the curriculum for which the student is enrolled, whichever is lesser. Liability shall terminate if the student’s domiciliary residence changes and that change occurs for twelve (12) months.”

Residents of Idaho
Residency status is determined when a student applies for admission and remains unchanged until the student supplies evidence to the contrary. To be classified as a resident the student, or for a dependent student the parent or legal guardians, must have established a domicile in the state of Idaho for 12 months prior to the beginning of the semester of enrollment.

For tuition purposes, a student who is a permanent resident of the United States may be classified as a resident of the district by meeting one or more of the following qualifications:

1. Any student whose parents or court-appointed guardians are domiciled in the college district and provide more than 50 percent of his or her support. (Domiciled means an individual’s true, fixed, and permanent home and place of habitation. It is the place where he or she lives without intending to establish a new domicile elsewhere). To qualify under this section, the parents or guardian must have resided continuously in the college district for 12 months preceding the opening day of the term for which the student matriculates.

2. Any student who receives less than 50 percent of his or her support from parents or legal guardians, who are not residents of the college district for voting purposes, and who has continuously resided in the college district for 12 months preceding the opening day of the term for which the student matriculates.

3. The spouse of a person who is classified or is eligible for classification as a resident of the college district for the purpose of attending the college.

4. A member of the armed forces of the United States, stationed in the college district on military orders.

5. A student whose parents or guardians are members of the armed forces and stationed in the college district on military orders and who receives 50 percent or more of his/her support from parents or legal guardians. The student, while in continuous attendance, shall not lose his/her residency when his/her parents or guardians are transferred on military orders.

6. A person separated, under honorable conditions, from the United States armed forces after at least two years of active service, who, at the time of separation, designates the college
district as his/her intended domicile or who has the district as the home of record while in service and enters the college within one year of the date of separation.

7. Any individual who has been domiciled in the college district, has qualified and would otherwise be qualified under the provisions of this statute, and who is away from the district for a period of less than one calendar year and has not established legal residence elsewhere, provided a 12-month period of continuous residence has been established immediately prior to departure.

A student’s residency status remains unchanged unless the student can provide evidence that he or she has established a permanent domicile in Idaho and has resided there for 12 consecutive months. To challenge a residency determination a student must complete a Residency Determination Worksheet along with documentation and submit it to Cardinal Central within 10 days of the start of fall or spring term or 5 days of the summer session. The evidence must prove convincingly that residency was established 12 months before the beginning of the term. Students may appeal the residency re-determination decision by submitting a written appeal to Cardinal Central.

Idaho Residents – In-District
Idaho residents who reside in Kootenai, Ada, Bonneville, Canyon, Jerome, and Twin Falls counties are classified as in-district residents. Residency for these counties is determined by NIC. In-district residents pay the “district” tuition rate.

Idaho Residents – Non-District
Idaho residents who do NOT reside in Kootenai, Ada, Bonneville, Canyon, Jerome, and Twin Falls counties are classified as non-district residents. Non-district students may qualify for county support from their county of residence to cover the additional non-district tuition fees. To qualify for county support, non-district residents must file a Certificate of Residency with their home county auditor's office each academic year or each semester depending on the residence county. Certificate forms are available from Cardinal Central or the county auditor’s office. The counties will notify NIC if the Certificate of Residency has been approved.

If verification is not received from the student's home county, the student must pay non-district fees. (Exception: Students from Kootenai, Ada, Bonneville, Canyon, Jerome, and Twin Falls counties are not required to complete the Certificate of Residency.)

Students who exceed the tuition benefit will be charged non-district tuition. Check with your county for further details. The county is obligated by state code to pay the out-of-district charge pursuant to Idaho State Code 33-2110A.

Western Undergraduate Exchange
The Western Undergraduate Exchange Program (WUE) provides financial assistance to individuals interested in attending college out of their home states. The tuition rate is 150 percent of the non-district tuition rate. Students may not use any of the time accrued under the WUE program to establish residency in the state of Idaho. Residents from the following states are eligible for the WUE tuition rates (see www.nic.edu/tuition (http://www.nic.edu/tuition/) for the current tuition and fees schedule).

- Alaska
- Arizona
- California
- Colorado
- Commonwealth of the Northern Marianas Islands
- Federal States of Micronesia
- Guam
- Hawaii
- Marshall Islands New starting 2021 Fall Semester!
- Montana
- Nevada
- New Mexico
- North Dakota
- Oregon
- South Dakota
- Utah
- Wyoming

Tuition Reduction Programs
Washington State Residents
Washington residents qualify for a reduction of a portion of the out-of-state tuition rate. Residency status is determined at the time of application to the college (see www.nic.edu/tuition (http://www.nic.edu/tuition/) for the current tuition and fees schedule).
FINANCIAL AID

Financial Aid - What Is It?
Financial aid funding assists students in offsetting the cost of a college education including tuition and fees, room and board, books, supplies, transportation, and miscellaneous expenses. Gift funding may be in the form of grants and scholarships. Self-help funding is aid in the form of student loans and also includes money that may be earned through the college work-study programs.

To be considered for Federal Student Aid, complete the Free Application for Federal Student Aid (FAFSA) at www.studentaid.gov.

<table>
<thead>
<tr>
<th>Source of Funding</th>
<th>Eligibility Requirements</th>
<th>Maximum Amounts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Pell Grant (PELL)</td>
<td>An undergraduate student who has NOT received a bachelor's degree.</td>
<td>The maximum award for the school year is $6,495 (based on the student's number of eligible Title IV credits).</td>
</tr>
<tr>
<td>Federal Supplemental Educational Opportunity Grant (FSEOG)</td>
<td>An undergraduate student who demonstrates exceptional financial need.</td>
<td>The Financial Aid Office determines the award amount.</td>
</tr>
<tr>
<td>Cardinal Grant</td>
<td>Determined by various NIC departments.</td>
<td>The maximum award cannot exceed the cost of tuition and fees. Awarded by various NIC departments.</td>
</tr>
<tr>
<td>Scholarships</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Complete the NIC Foundation Scholarship Application. Determined by the donor. Awarded by the various NIC Scholarship Committees.</td>
<td>Determined by the donor. Scholarship information is available at <a href="http://www.nic.edu/financialaid">www.nic.edu/financialaid</a> (<a href="http://www.nic.edu/financialaid/">http://www.nic.edu/financialaid/</a>).</td>
</tr>
<tr>
<td>Loans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Direct Subsidized Stafford Loan</td>
<td>At least half-time (6 eligible credits) enrollment.</td>
<td>The maximum award for students completing 0-25 credits is $3,500. Maximum award after 25 credits is $4,500.</td>
</tr>
<tr>
<td>Federal Direct Unsubsidized Stafford Loan</td>
<td>At least half-time (6 eligible credits) enrollment.</td>
<td>The maximum award for dependent students is $2,000 with subsidized eligibility or $5,500 without subsidized eligibility. The maximum award for independent students is $6,000 with subsidized eligibility or $10,500 without subsidized eligibility.</td>
</tr>
<tr>
<td>Federal Direct Parent Plus Loan (Parent Loan)</td>
<td>At least half-time (6 eligible credits) enrollment.</td>
<td>Parents may borrow up to the cost of education minus previously awarded financial aid.</td>
</tr>
<tr>
<td>Work-Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Work-Study</td>
<td>At least half-time (6 eligible credits) enrollment.</td>
<td>The Financial Aid Office determines the maximum.</td>
</tr>
<tr>
<td>Idaho Work-Study</td>
<td>Must be an Idaho resident</td>
<td>The Financial Aid Office determines the maximum.</td>
</tr>
</tbody>
</table>

Eligibility for Financial Aid
North Idaho College awards most financial aid based on financial need.

Eligibility for need-based financial aid is calculated by the student’s computed financial need, as established by the U.S. Department of Education. Financial need represents the difference between the total cost of attendance and the amount the student and their family can afford to pay toward that cost—the Expected Family Contribution (EFC). The total cost of attendance includes allowances for the cost of tuition and fees, books, supplies and tools, room and board (or rent and food), living expenses, and transportation. The EFC is calculated by using information the student and their parents (if dependent on parents) or spouse (if married) provide on the Free Application for Federal Student Aid (FAFSA) and verification documents.

To be eligible for Federal Student Aid - need- or non-need-based - a student must:

1. Have a high school diploma or GED certificate.
2. Be accepted for admission into North Idaho College as a matriculated (degree-seeking) student.
3. Not be in default on a Federal Perkins Loan, Federal Direct Loan, or Federal Direct Parent Plus Loan for Undergraduate Students made for attendance at an educational institution.
4. Not owe an over payment on a Federal Pell Grant or be in default on a Federal Direct Loan previously used for attendance at an educational institution.
6. Certify that, if required, the student has registered with Selective Service.
7. Maintain Satisfactory Academic Progress toward their North Idaho College program as defined by the North Idaho College Satisfactory Academic Progress Policy.

Satisfactory Academic Progress Policy

The U.S. Department of Education requires students to maintain satisfactory progress toward their degree or certificate to be eligible for financial aid. This requirement applies to students who are applying for financial aid the first time and to those who are currently receiving aid. All semesters of attendance are reviewed, including periods when the student did not receive financial aid.

For more information about NIC’s Satisfactory Academic Progress Policy, go to www.nic.edu/financialaid (http://www.nic.edu/financialaid/).

Applying for Financial Aid

Students interested in scholarships should complete the Scholarship Application available through their MyNIC account by searching for “NIC Foundation Scholarship Application” in the search bar at the top of your MyNIC account home page. Scholarships offered through the state of Idaho and other outside entities may be accessed by visiting www.nic.edu/financialaid (http://www.nic.edu/financialaid/).

To apply for scholarships and all other types of financial aid, the student and their parent(s) (if dependent) must complete the Free Application for Federal Student Aid (FAFSA) available at www.studentaid.gov (http://www.studentaid.gov).

To apply for financial aid, follow the steps below:

1. With the Department of Education
   - Fill out the FAFSA using the student’s FSAID at www.studentaid.gov (http://www.studentaid.gov) (NIC’s school code is 001623).

2. With the NIC Financial Aid Office
   (www.nic.edu/financialaid (http://www.nic.edu/financialaid/))
   - Fill out an NIC Foundation Scholarship Application.
   - Idaho residents only - Fill out an Idaho scholarship application which is available at www.boardofed.idaho.gov/scholarships (http://www.boardofed.idaho.gov/scholarships/).
   - Submit requested documentation for the FAFSA if you are selected for verification.
   - Once you have been awarded aid, you will be notified via your Cardinal Mail. You can then view and accept your award by logging in to your MyNIC, Self-Service, Financial Aid.

3. For Loans
   - Those interested in unsubsidized loans can apply using the “Request a Loan” feature in Self-Service under the Financial Aid Tab.
   - Students receiving student loans (subsidized and unsubsidized) as part of their financial aid package will receive their disbursement in two increments per semester. Check the college calendar for disbursement dates.

   For more information, visit www.nic.edu/financialaid (http://www.nic.edu/financialaid/).

Bookstore Charges and Financial Aid

Students who have accepted their financial aid are allowed to charge books and supplies at the NIC Cardinal Bookstore. Check the college calendar to view available open charging periods for each term.

Title IV Federal Financial Aid Refund and Repayment Policy

The federal refund/repayment policy for students receiving Title IV Federal Financial Aid is different than the established North Idaho College refund policy.

Anyone wishing to obtain a copy of the federal policy and/or calculation examples may stop by Cardinal Central or access the information from the college’s website at www.nic.edu/financialaid (http://www.nic.edu/financialaid/).

Financial Aid Refund/Withdraw Policy

Federal law requires that when you withdraw during a payment period or period of enrollment, the amount of federal financial aid that you have “earned” up to that point by attending classes is determined by a specific formula. If you received (or NIC received on your behalf) less assistance than the amount that you earned, you may be able to receive those additional funds. If you received more assistance than you earned, the excess funds must be returned.

For more information, visit www.nic.edu/financialaid (http://www.nic.edu/financialaid/).
Tuition and fees at North Idaho College are among the lowest in Idaho and the Inland Northwest. All rates listed on the Tuition and Fees (https://www.nic.edu/websites/default.aspx?dpt=12&pageid=6970) page are subject to change without notice.

Any person attending a class must be a registered student. By registering for classes, a student incurs a legal obligation to pay tuition and fees. Regardless of whether a student pays tuition and fees with cash, personal check, credit card, financial aid, or by some other means, it is the student's responsibility to satisfy the financial obligation. Tuition, fees, and any special fees must be paid on or before the due date noted on the payment screen when registering online, unless financial aid has been approved. This includes any funds received through the Financial Aid Office involving over-payments, refunds, or delinquent loans. Students will be responsible for collection costs and legal fees added if the services of a collection agency are utilized for unpaid balances.

Payment of regular student fees entitles the student to the services maintained by NIC for the benefit of students. No reduction in fees can be made for students who may not desire to use these services. Some courses and special services have additional fees. For fee paying purposes, full-time status is defined as 12 or more credit hours per semester.

Students who are eligible for financial aid, but who have not completed the financial aid application process prior to registration, will be expected to pay all required charges on or before the due date.

North Idaho College will not impose any penalty, including assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from the Department of Veterans Affairs under Chapter 31 or 33. A covered individual is any individual who is entitled to educational assistance under Chapter 31, Veteran Readiness and Employment, or Chapter 33, Post 9/11 GI Bill benefits.

Idaho residents not living in Kootenai County must submit a Certificate of Residency to receive county support. The county waiver is applicable to the first 10 credits billed per semester. The county waiver is a maximum of $500 per semester, with a lifetime cap of $3,000.

Books and supplies for academic transfer programs are estimated at $500 per semester. Career and technical education programs may have additional costs of books, supplies, and tools which may vary from $500 to $3,000 per year.

Tuition and fees are established annually by the NIC Board of Trustees. Interested persons may inquire at Cardinal Central for applicable rates and payment information. NIC reserves the right at any time to change its charges. In the unlikely event that such changes become necessary, NIC will endeavor to give advance notice.

General and Special Fees

**General Fees**

General fees are paid as part of tuition and fees. These fees are mandatory charges assessed to every student. General fees are charged at a rate of $40 per credit, up to a maximum of 12 credits ($480). A detailed listing of the General Fees can be found on the Tuition and Fees (https://www.nic.edu/websites/default.aspx?dpt=12&pageid=6970) page.

**Course Fees**

Some classes have additional course fees (lab fees, etc.). Course fees are subject to change without prior notification. Students enrolling in classes with course fees must pay these fees. Course fees are subject to the same payment due dates established by the College for tuition and fees. If course fees are incurred as a result of adding class(es), the additional course fees are due and payable at the time of registration.

**Late Fees**

All tuition, housing and meals, as well as other fees, are due the day before the first day of the term. A $50 late payment fee will be assessed to accounts that are not paid in full, or do not have a signed payment plan contract, the day after the published 100% refund date.

**Senior Citizens' Fees**

North Idaho College offers a special rate to non-degree seeking individuals who are 60 years or older, prior to the start of the class. The senior citizen rate for non-degree credit classes is $25 per class plus $5 per credit.

Fees for non-credit courses, materials, books, or special fees are full price. Degree-seeking seniors will pay full tuition rates for all courses.

**Deposits**

**Program Deposits**

Deposits made to competitive entry programs will be applied to tuition and fee charges for the initial semester or term of enrollment. All program deposits are non-refundable. No refund will be given if a student withdraws after the prescribed deadline.

**Residence Hall Deposits**

A $200 deposit will be due in order to be considered for a room. The deposit is not to be construed as partial payment for room and board. This deposit serves as a guarantee against loss and breakage of residence hall equipment and furniture. The deposit remains in effect throughout the period of application and residency. All students who fulfill the terms of the contract after occupancy will receive a refund of their deposit within four weeks after checking out of the resident hall (less any deductions for losses, damages, fines, or monies owed to the college).

**Irish Murder Mysteries Trip Deposit**

The Irish Murder Mysteries class (FLAN-207) takes a trip to Europe each spring. This $300 deposit will be used to guarantee the student a spot on the trip. The deposit will be applied to the
fee charge for the class which helps pay for the transportation costs. If the tuition and fees are paid in full, paid by financial aid, or paid by a third-party sponsor, the deposit will be refunded to the student to use on their trip.

Tuition Payment Plan
Students may setup a payment plan for their current semester balance on their Self-Service Student Finance page. Payments will be drafted once a month based on the option selected. Payment plan selection must be completed before midnight on the 100% refund date. The 100% refund date for each term may be found on the academic calendar.

North Idaho College Refund Policy
Refund
Students who officially drop from all classes at North Idaho College prior to the published 100% refund date, may be entitled to a partial refund of their tuition and fees. If financial aid paid a portion of those charges, then a portion of the refund must be returned to the federal financial aid funds. Students with questions should visit with staff at Cardinal Central prior to dropping their classes.

Refunds for Drops from Full Semester-Length Courses
Students who drop full semester-length credit courses (day, evening, or Internet) will, on dropping the course(s) in MyNIC, receive refunds as follows:

Fall Semester
If you drop from one or all of your classes by 11:59 p.m. the third Tuesday after the first day of the Fall Semester, you will receive a 100 percent refund.

Spring Semester
If you drop from one or all of your classes by 11:59 p.m. the third Tuesday after the first day of the Spring Semester, you will receive a 100 percent refund.

Summer Session
If you drop from one or all of your classes by 11:59 p.m. the second Tuesday after the first day of the Summer Session, you will receive a 100 percent refund.

Should a class be canceled, students will receive a full refund for the class.

Refunds for Students Called to Active Military Service
Members of the Idaho National Guard and Reserve serve a vital function for our country. In the event that members of the National Guard or Reserve are called involuntarily to active duty, they will be administratively dropped with a grade of W from classes and any tuition and fees paid will be refunded in full. Copies of orders calling a student to active duty must be provided to the Veterans Service Coordinator who will initiate the administrative withdrawal from classes and the refund process.
ACADEMIC AND REGISTRATION INFORMATION

MyNIC: Student Information on the Web
MyNIC is an online information portal where students receive the majority of their official college communications and are able to access Self Service options such as class schedules, unofficial transcripts, admissions and financial aid information, advisor’s name, assessment scores, forms, and important announcements. Self Service is used by students to determine class availability, register for courses, and pay tuition and fees.

After being admitted to North Idaho College, students will receive MyNIC access information.

To log in to MyNIC:
1. Go to www.nic.edu (http://www.nic.edu) and click “MyNIC.”
2. Click on the “New Students and Employees Start Here” button.
3. Follow the instructions to log in.
4. Access Self Service by clicking on the button.
5. Access Cardinal Mail by clicking on the button.

Questions about MyNIC should be directed to the NIC HelpDesk at (208) 769-3280 or helpdesk@nic.edu.

Address Changes
Students having correct addresses on file is vital for college records. Students may update their contact information by logging into their MyNIC account, accessing Self Service, and clicking on their user profile icon in the upper right corner. Students are able to update their address, phone numbers, and personal email address in this area. Updates to emergency or missing person contacts can also be completed in the user profile area of Self Service.

Registration
Registration is the official process of enrolling in classes. NIC is on a 16-week fall/spring semester, followed by a summer session. The student calendar has information regarding application and registration dates. Registration information is available at www.nic.edu (http://www.nic.edu).

After applying for admission, and submitting required documentation, students will receive an acceptance letter from NIC which will provide information regarding registration.

Students register by assigned start times through their MyNIC account. Appointment times for continuing students are determined by the number of credits completed. New and transfer students register for classes during their advising and registration appointment.

Students with financial holds may not register until the hold has been cleared. Student hold notifications may be viewed in their MyNIC account.

Student Classification
Full-Time Classification
A student must enroll in 12 or more credits each term to be classified as a full-time student.

Freshman and Sophomore Classification
Students with 25 or less completed semester credits are classified as freshmen, those with 26 or more are classified as sophomores.

Credit Information
Definition of Credit
A credit, sometimes referred to as semester credit or semester hour, is related to time spent in class, study, preparation, laboratory, or field experience. One semester credit hour normally requires 45 hours of student work, or:
1. 50 minutes in class each week for one semester (which assumes twice this amount of time in study and preparation outside the classroom), or
2. two to three hours in laboratory each week for a semester, or
3. the equivalent combinations of 1 and 2.

Credit for workshops and short courses is granted on the basis of one semester credit for 45 hours of scholarly activity.

Credit Enrollment Limits
Registering for an excessive number of credits may result in marginal performance. Students enrolling for more than 18 credits during fall or spring or more than seven credits during the summer are required to get authorization from Advising Services.

Course Schedule Changes (Add/Drop)
The add/drop period allows students to add classes on a space-available basis or drop classes without transcript notation. Students can make schedule changes online or through Cardinal Central. If the class is a late-start, it may be added through the second calendar day of the class. For all late-start classes, drops with no grade must be processed prior to the end of the second calendar day. Refer to the calendar for full-semester courses add and drop dates.

Drop with a Grade of W from Individual Courses
To drop a course with a grade of W, a student must log-in to their MyNIC account, access Self Service and drop the course. Final dates for drops with a grade of W are published on the college calendar. After the deadline, students appeal a late course withdrawal using the Academic Appeals/Instruction Petitions appeal process outlined in the catalog. A student who officially drops a course with a grade of W by the drop deadline will have a grade of W recorded on their official transcript.

Drops with a grade of W from short-term classes (classes less than 15 weeks in length) must be completed within the first half of the total calendar days; i.e., the deadline for a drop with a grade of W from a course that consists of eight weeks would be at the end of the fourth week.
Students who stop attending a class for which they have registered and from which they have not officially dropped with a grade of W may receive a grade of F.

Open enrollment courses that are dropped any time after the drop week will receive a grade of W even if the course was added after the add/drop week.

**Drop with a Grade of W from All NIC Courses**

To drop all courses with a grade of W, a student must login to their MyNIC account, access Self-Service, and drop all of their courses. Students who do not meet the published deadline date for that term may petition the Admissions and Academic Standards Committee if there are compelling and extraordinary reasons. Students needing to appeal for a late withdrawal from all courses must complete the online Admissions and Academic Standards Appeal form available at www.nic.edu/registrar (https://www.nic.edu/websites/default.aspx?dpt=49&pageid=707).

**Grading Policies**

**Grading Procedures**

The college has adopted guidance for determining final course grades at NIC, which are reported using a letter +/- scale. (Policy 5.04) Specialized programmatic accreditation standards supersede this guidance and those standards are published in program handbooks provided to students in those programs.

Letter grades are used to indicate a student’s quality of achievement in a given course. Each of the grades are also assigned an equivalency number, which is used to compute grade point averages:

<table>
<thead>
<tr>
<th>Letter</th>
<th>GPA</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>93 - 100%</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td>90 - 92%</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>87 - 89%</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>83 - 86%</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>80 - 82%</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>77 - 79%</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>73 - 76%</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td>70 - 72%</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
<td>67 - 69%</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>63 - 66%</td>
</tr>
<tr>
<td>D-</td>
<td>0.7</td>
<td>60 - 62%</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>0 - 59%</td>
</tr>
<tr>
<td>NG</td>
<td></td>
<td>No Grade</td>
</tr>
</tbody>
</table>

Other grades awarded are W (drop with a grade of W or withdrawal according to proper procedure); I (incomplete work of passing grade); P or S (satisfactory – requires at least C or 2.0 work; used for designated courses only and for midterm grades); U (unsatisfactory – for courses in which S is given). Courses in which W, S, U, or I grades have been earned are not included in grade point calculations.

Students wishing to check their grade point averages should use the following formula: Per credit grade equivalency x number of credits per class ÷ grade points = GPA. For example, a student receives a grade of B- in English 101 and a grade of C in Math 108:

- English 101: (B-) 2.7 x 3 credits = 8.1 grade points
- Math 108: (C) 2.0 x 4 credits = 8.0 grade points

8.1 + 8.0 = 16.1 grade points ÷ 7 credits = 2.3 GPA

**Audit**

A student may enroll in any lecture class on an audit basis. Students are encouraged to attend classes on a regular basis even though they will not receive credit or a grade for the class. Audited courses do not fulfill graduation requirements, do not affect a student’s grade point average, and are not eligible for financial aid funding. The application process and fees for auditing a course are the same as if a student were enrolling for credit.

Course enrollment may be changed from credit to audit by the student during the add/drop period. With the instructor’s permission, course enrollment may be changed from audit to credit during the first four weeks of fall or spring semesters or the first two weeks of a summer session. Any request to change from credit to audit after this period must be approved by the Office of Instruction. Contact Cardinal Central if you would like to change your course enrollment to an audit.

**Incompletes**

An incomplete is assigned if the student has been in attendance and has done satisfactory work to within three weeks of the end of the term (or proportional length of time for a course of less than a semester in length). Incompletes are issued only in cases of extenuating circumstances, such as severe illness or injury. Incompletes are not issued if the student is simply unable to complete his/her work within the specified semester or session. If a final grade of I is recorded, the instructor will indicate in writing to the Registrar’s Office what the student must do to make up the deficiency. The instructor will also indicate the permanent grade that will be earned if the incomplete is not removed by the deadline.

All incomplete grades must be removed within six weeks after the first day of the following term, excluding the summer session. If the incomplete is not removed by that date, the grade reverts to the grade indicated in the instructor’s written statement authorizing the incomplete. Incompletes may affect financial aid eligibility and will prevent certificates or degrees from being awarded.

**Repeating a Course**

Students may repeat any course provided they have not completed a more advanced course for which the first is a prerequisite. While all grades received remain on the official transcript, only the grade received for the most recent course enrollment is used to compute the grade point average. **Note:** Repeating a course may affect financial aid funding and may not be permitted if the course has already been used to earn a degree.
Academic Standings

Dean’s List
To qualify for the Dean’s List, students must complete at least 12 credits in a term, earn a semester GPA of 3.75 or higher, and receive letter grades of A, B, C, D, or F in 80 percent of their classes.

Probation, Suspension, and Disqualification
This policy applies to any student carrying credit hours at the end of the add/drop period of fall and spring semesters and summer session.

Students and college employees have a shared responsibility to implement the policy in the interest of upholding standards of academic performance and achieving educational outcomes. Students who are placed on probation, suspension, or disqualification will be notified by the Registrar’s Office after final grades are posted for each semester.

Students must maintain a minimum cumulative grade point average (GPA) of 2.0 to be in good academic standing. Students who do not meet this standard will be placed on academic probation, suspension, or disqualification as defined below.

Academic Probation
Students whose cumulative GPA is below a 2.0 will be placed on academic probation. Students on probation who earn a semester GPA of at least a 2.0 will be placed on continued probation until their cumulative GPA is at least a 2.0. Students on probation who do not earn a semester GPA of at least a 2.0 will be placed on academic suspension.

Academic Suspension
Students who have been placed on academic suspension must sit out one semester, summer not included, or petition the Admissions and Academic Standards Committee to return the following semester. Students approved for reinstatement must abide by any conditions established by the Admissions and Academic Standards Committee.

Academic Disqualification
Students who have been placed on academic disqualification must petition the Admissions and Academic Standards Committee in order to return to NIC. Students approved for reinstatement must abide by any conditions established by the Admissions and Academic Standards Committee.

Students on probation, suspension, or reinstatement from disqualification who raise their cumulative GPA to at least the minimum 2.0, will return to good academic standing. Students on probation, suspension, or reinstatement from disqualification must have the approval of a designated advisor to register each semester until good standing is achieved.

This policy is separate from financial aid policies governing satisfactory academic progress, and should always be considered whenever relevant for students on probation or suspension as defined herein.

Academic Appeals/Instructional Petitions
Students should follow the guidelines below to address concerns about an instructor, change of grade, course substitutions, academic sanctions, or other instructional matters.

Note: There are specific program appeal processes and procedures that must also be followed in fields such as Health Professions and Nursing. If you are enrolled in one of these programs, please check with an advisor about any such standards and their relationship to the college procedures.

Step 1: Contact Instructor
Discuss the issue in question with the instructor to seek resolution or to identify steps for addressing an academic concern. If the problem is not resolved to the satisfaction of the student at this level, the student should determine the immediate college supervisor of the employee or faculty member, typically this is the division chair. For employee contact information, select the division from the department drop down list at www.nic.edudirectories (http://www.nic.edu/directories/).

Arrange for a meeting and be prepared to verbally explain the situation, indicate concerns, and suggest possible solutions. If this informal meeting does not result in a resolution, the student may pursue further review that includes getting the advice of the division chair or program staff for the next level of consideration or petitioning, if appropriate, the Admissions and Academic Standards Committee.

Step 2 A: Admissions and Academic Standards
Petition the Admissions and Academic Standards Committee for consideration of late withdrawal from all college courses or reinstatement to college following disqualification or suspension. Petitions for late withdrawal must be submitted within two years from the semester in which the late withdrawal is being requested. Late withdrawals for individual classes are reviewed by the appropriate dean. The Admissions and Academic Standards Appeal form is an online form available at www.nic.edu/register (https://www.nic.edu/websites/default.aspx?dpt=49&pageId=707).

Step 2 B: Office of the Vice President for Instruction
Unresolved concerns about an instructor or change of grade requests are processed by the Office of the Vice President for Instruction. Requests for grade changes must occur within 30 days of the start of the next term.

Students may also appeal decisions rendered by the Admission and Academic Standards Committee or any academic sanctions imposed as a result of violation of academic integrity (appeal process for academic sanctions is detailed in the Student Code of Conduct and NIC Policy 5.06.01 and takes precedent over any process outlined herein).

Students who wish to appeal should complete an Instructional Petition Form (http://www.nic.edu/modules/images/websites/36/file/InstructionalPetitionForm.pdf) and prepare a written Statement of Appeal. Submit the documents to the Office of the Vice President for Instruction within seven working days of the decision being appealed.
The Statement of Appeal must contain the following information:

- Student’s name, local address, and telephone number.
- A statement of concerns regarding the original decision.
- Arguments supporting the student’s position.
- A statement of the requested solution.
- All relevant supporting documentation.

The vice president or designee will then conduct inquiries as deemed appropriate and shall provide a written decision to the appellant within 15 working days. The vice president for instruction’s decision is final.

**Academic Renewal**

In conformity with the principle of encouraging and rewarding determination, self-discipline, and achievement, North Idaho College will allow a student to petition for academic renewal under certain circumstances. If the petition is granted academic work at NIC would be eliminated from the computation of credits and grade points in the student’s academic record as well as for academic standing and eligibility for graduation.

Eligibility for academic renewal will be subject to the following conditions:

1. At the time the petition is filed, a minimum of five years will have elapsed since the most recent course work to be disregarded was completed.
2. Before the petition may be filed, the student must complete at least 30 semester hours of course work at North Idaho College with a minimum 2.50 cumulative grade point average. These courses must be completed following the disregarded semester(s).
3. Renewal will not be granted for individual courses within a term.
4. Students holding an associate’s or bachelor’s degree are not eligible for academic renewal.

Students may have a maximum of two consecutive semesters (summer session excluded, unless it is one of the two disregarded semesters) of course work disregarded in all calculations regarding the computations of credits and grade points, academic standing, and eligibility for graduation. The petition to be filed by the student will specify the semester(s) or terms(s) to be disregarded.

If the petition qualifies under this policy, the student’s permanent academic record will be suitably annotated to indicate that no work taken during the disregarded semester(s), even if satisfactory, may apply toward the computation of credits and grade points, academic standing, and graduation requirements. However, all work will remain on the records, ensuring a true and accurate academic history.

Since this is already a policy of exception, no exceptions will be made to the stated conditions above. Students should be aware that this policy might not be accepted at transfer institutions.

**Credit by Examination**

**Challenge for Credit**

A student enrolled at NIC may petition to challenge courses based on work done through private study and/or employment or to validate courses taken at non-accredited institutions. Students are not permitted to challenge a prerequisite course after having completed an advanced course. Credit by examination is not financial aid eligible and will not be granted for a course that a student has previously taken for credit or audited. Credit will be granted provided the student earns a grade of C or better. Neither grades nor credit earned through the challenge process will be counted in any given semester to determine credit load or grade point average, nor will they be included in computing cumulative grade point averages. Students may challenge a course prior to or during enrollment in a course through the second week of fall or spring semester, or through the first two days of a short course or summer session. Contact Cardinal Central for more information.

**Foreign Language Placement**

One full year of high school study in a foreign language is generally considered equivalent to one semester’s work in college. To receive college credit for high school or independent work, a student must take a vertical placement examination in the target language and complete the next semester advanced level with a grade of C or better. Placement in and completion of the second elementary level or first intermediate level will enable a student to receive credit for the first elementary level; placement in and completion of the second semester intermediate level will enable a student to receive credit for the first three semesters of the target language once appropriate paperwork has been completed and fees have been paid. Credit awarded may or may not transfer. We recommend students contact the college they plan to attend. Contact Cardinal Central for more information.

**CLEP Examination**

North Idaho College accepts a limited number of CLEP (College Level Exam Program) general and subject area exams. For information, contact Cardinal Central.

**Advanced Placement Examination**

In recognition of the Advanced Placement Program sponsored by the College Entrance Examination Board, NIC will grant college credit for limited examinations based on the student’s score. For specific information, contact Cardinal Central.

**Graduation**

Students may graduate upon completion of their program of study at the end of any term. A commencement ceremony is held once each year in May. Students eligible to participate in commencement are graduates from the previous fall or students who plan to graduate in the current spring or summer.

A student must submit a graduation application whether or not they plan to participate in the commencement ceremony. Suggested application dates for graduation are November 1 for Spring Semester, March 1 for Summer Session, or May 1 for Fall Semester. Applications filed after the suggested dates will be accepted. However, early filing enables the Registrar’s Office
to evaluate a student’s transcript and determine any course
deficiencies in the program of study prior to the student’s final
term of enrollment. A diploma will not be issued if a student has
not fulfilled all financial obligations to the college.

Final Credits Earned and Exceptions
Candidates for an associate’s degree or certificate of completion
must earn a minimum of 12 credits toward the degree or
certificate at North Idaho College. In cases where the certificate
requires fewer than 12 credits, a minimum of six credits must
be completed at North Idaho College. A student may petition the
Admissions and Academic Standards Committee for a waiver
in exceptional cases involving specific course or residence
requirements for graduation.

Catalog Issue
The catalog in effect at the time a student is first admitted
will be used to determine the associate’s degree or certificate
requirements for graduation. In no case can the catalog
used for program requirements, including general education
requirements, be more than four years old. A student whose
catalog has expired will be required to submit a new program
form updated to the catalog in effect at the time of the
resubmission.

Prior Bachelor’s Degree and General Education
Students who submit official documentation of a bachelor’s
degree from a regionally accredited institution will be considered
to have met all NIC general education requirements. Students
pursuing an NIC program after completing a bachelor’s degree
from a regionally accredited institution will be evaluated on
a course by course basis as appropriate for any program
prerequisites or requirements, including course grades, in effect
at the point of application.

Credit Limitations
No more than 24 credits earned by examination and 32 credits
earned by correspondence or examination may count toward an
associate’s degree.

Transcripts
A transcript is a record of all courses for which a student was
enrolled at the end of the add/drop period each term. It includes
credit hours for which the student was enrolled, final grades
earned, record of withdrawals, courses repeated, grade point
average for each term, and a cumulative grade point average.

Requests for Transcripts
NIC academic transcripts are permanent records and are
maintained forever. Transcript requests must be made online
through the National Student Clearinghouse. Additional
information is available at www.nic.edu/transcripts (https://
www.nic.edu/transcripts/).

Federal regulations require that the request be signed by
the student to authorize the release of the transcript. The
request should include the student’s full name, maiden name
if applicable, approximate last date of attendance, student
identification number, student’s current address and phone
number, address(es) where the transcript(s) should be mailed,
and the student’s signature. Payment must accompany all
requests.

Transcripts will not be released if the student has not fulfilled all
financial obligations to the college. Transcript production time is
usually 3-5 working days during the term. Please allow up to 10
working days at the completion of each term.

Transcripts from Other Schools
NIC does not issue certified copies of transcripts it receives from
other institutions. Transcripts reflecting a student’s previous
college education that have been submitted to the college as a
requirement for admission become part of the official file. Any
student desiring official transcripts of credits earned elsewhere
must request transcripts from the institution where the credits
were earned.

Student Rights and Responsibilities
Attendance
Students are responsible for attending the courses in which they
are enrolled. Failure to attend during the first two weeks of a full-
semester course or first week of short-term or summer courses
will result in a drop for non-attendance. If necessary, students’
financial aid awards and veteran’s benefits will be adjusted if
they are dropped for non-attendance.

Conduct
Students are expected to read and comply with the NIC Student
Conduct and Discipline Code, which may be found online on the
Student Resources page or in person at the Vice President for
Student Services Office.
ADVISING SERVICES

Advising Services teaches and empowers students to be successful in the discernment and achievement of their educational and professional goals. With a focus on providing direct advising for new and returning students and making effective student referrals to faculty advisors, it is Advising Services' mission to provide strategic and operational leadership to ensure institutional fulfillment of the advising mission.

The mission of advising at North Idaho College is to empower and educate students to clarify their academic interests, make informed decisions, and set and achieve goals for lifelong learning and professional success.

Advising at North Idaho College is an intentional, collaborative, and inclusive process. With a holistic approach, faculty and professional advisors partner with students in meeting the essential learning outcomes, supporting academic success, and outlining the steps for achievement of the students' personal, academic, and career goals.

North Idaho College employs a decentralized advising model, with every degree-seeking student assigned at least one advisor aligned with the student’s program of study. Professional advisors are located in Advising Services, TRiO, Veteran & Military Family Services, American Indian Student Support, and the Office for Advanced Opportunities (for high school students earning dual credit at NIC). Professional advisors are also located in career technical education. Full-time faculty are assigned advisees in their programs of expertise.

Advising is offered at the Sandpoint outreach center by faculty advisors and an outreach/dual credit professional advisor. Together, the college’s professional and faculty advisors support students pursuing the full range of GED, career and technical education, and academic/transfer programs offered by NIC.

Visit the Advising Services (https://www.nic.edu/advising/) webpage for additional information about advising curriculum and student learning outcomes.
WORKFORCE TRAINING

Workforce Training Center

NIC’s Workforce Training Center, located in the Riverbend Commerce Park in Post Falls, offers a wide variety of credit-free classes for career development and personal interest. Classes are open to the public, generally without pre-admission, academic, or residential requirements. The Workforce Training Center’s catalog of classes is published each fall, spring, and summer. Class information and registration is available in the catalog and online at www.nic.edu/wtc (https://www.nic.edu/wtc). The catalog is also available at the NIC campus, in libraries, and other locations throughout the community. For a copy of the catalog or more information, call the Workforce Training Center at (208) 769-3333.

Workforce Development
(208) 769-3224

Workforce Development offers open enrollment career or job-related classes in a variety of subject areas to enhance skills for employment.

New classes begin weekly, year round. Classes are offered in instructor-led classrooms or online. Instructors are experts in their fields with hands-on, practical information.

Workforce Development offers classes in health professions and emergency services; business and enterprise; computers and technology; and industry and trades. Specialized industry-specific training programs are offered in Certified Nursing Assistant (CNA), Commercial Truck Driver, Emergency Medical Technician, Fire fighter 1 Academy, and Welding Certification. Many courses have been approved for veteran benefits.

Apprenticeship
(208) 769-7735

Apprenticeship combines paid on-the-job experience with classroom instruction to prepare individuals to become journey-level workers in the electrical, plumbing, and heating, ventilation, and air conditioning (HVAC) trades. The Workforce Training Center offers the required four years of related instruction with classes that begin in early September and run through May of each year. Each year consists of 160 hours of instruction which is offered on Saturdays or weeknights. An Associate of Applied Science Degree for apprenticeship may be available for students who successfully complete all four years of the program.

Health Occupations
(208) 665-5448

The Workforce Training Center offers a variety of health care related training courses to start a career in the medical field. The courses offered lead to an industry-recognized credential in high demand health care roles. These courses lead to entry-level employment and open up a clear pathway for career and educational progression. Courses offered include: Certified Nursing Assistant, Phlebotomy Technician, Patient Care Coordinator, Medical Office, Restorative Assistant, Mental Health Assistant and Emergency Medical Technician. Classes start monthly.

Customized Training
(208) 769-7732

Customized Training specializes in developing and delivering industry and company-specific training to employees at the request of an organization. Customized Training works directly with the organization to clearly identify and deliver convenient, affordable, and high-quality training solutions for increased knowledge, performance, and productivity.

Customized Training is the regional leader in meeting the training needs of business and industry for the incumbent worker. For more information, contact the Workforce Training Center at (208) 769-7732.

Idaho Small Business Development Center
(208) 665-5085

The Idaho Small Business Development Center (SBDC), located on NIC’s Coeur d’Alene campus, exists to help businesses in Idaho thrive and grow. The Idaho SBDC assists businesses to improve their profit, margin, sales, cash flow, management, productivity, and exporting by providing:

• No-cost business coaching
• Business training
• Business resources

Businesses that receive coaching and training assistance from SBDC grow on the average 700 percent faster than typical businesses in Idaho. The SBDC serves businesses in manufacturing, wholesale, service, and retail industries. The SBDC coaches leverage extensive business experience to provide business/leadership coaching to business owners. Business coaching covers most functional areas including strategy development, marketing, sales, financial management, operations, personnel management, and exporting.

Idaho SBDC also provides workshops designed to equip business owners and leaders to become more effective leaders. The SBDC serves as the focal point for linking together the federal, state, and local resources.

Continuing Education Unit

The Continuing Education Unit (CEU) is a nationally recognized measure of participation in an approved non-credit continuing education program. One Continuing Education Unit (1.0) is defined as 10 contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction.

North Idaho College is among the many colleges and universities throughout the nation that award CEUs to participants of approved programs. Each participant satisfactorily completing approved continuing education courses, seminars, conferences, or workshops offered through the Workforce Training Center is awarded CEUs in recognition of their involvement.
PROGRAM OFFERINGS

Information About Transferring

North Idaho College provides a wide array of associate’s degree programs that support transfer to all four-year schools in Idaho, as well as to regional and out-of-state institutions. By completion of one of the Associate of Arts or Associate of Science programs described in this catalog, students will satisfy all of the general education requirements for all public Idaho colleges and universities, and will be well-positioned to earn a bachelor’s degree with two more years of full-time study at many transfer institutions.

Working with a NIC advisor and consulting with the intended transfer institution is the best way to design a personalized plan to achieve educational goals.

The necessary NIC lower division courses, (numbered 100 and 200) are needed to prepare for the upper division courses (numbered 300 and 400) to complete a bachelor’s degree.

An efficient education plan for transferring credits from NIC and completing bachelor’s degree requirements at other colleges or universities involves three groups of courses:

- General Education Courses
- Program Requirements
- Transfer Specific Courses

General Education Courses

Students who complete all of the general education requirements (GEM), a minimum of 36 credits will receive documentation on their official NIC transcript. This documentation will both be a milestone toward completion of the associate’s degree requirements and support transfer to a bachelor’s degree program in Idaho, where it will be universally accepted as satisfying general education requirements at Idaho’s public two- and four-year institutions. Completion of all of NIC’s general educational requirements will also be useful for those students who choose to transfer outside of Idaho for their bachelor’s degree.

In the absence of an A.S. or A.A. degree or completion of all general education requirements at NIC, transfer institutions will evaluate each course on a student’s transcript. Completed general education core courses will transfer in the specified area taken at NIC to Idaho public institutions. For example, a GEM 4 course completed at NIC in Scientific Ways of Knowing will be accepted by a public institution in Idaho as Scientific Ways of Knowing. Any other course completed at NIC outside of the general education core, including courses in the wellness and integrative categories specific to NIC, will be reviewed on a case-by-case basis for transfer.

Area of Emphasis Courses

These courses are listed under the general requirements for each program and are designed to meet specific requirements in bachelor’s degree programs.

Transfer Specific Courses

These courses may be identified for particular programs as a way to help ensure smooth and successful transfer to the designated institution.

Interstate Passport®

WICHE’s Interstate Passport is a program designed to simplify out-of-state transfer of general education across a wide network of two- and four-year schools. Students at North Idaho College who complete specified courses can have a seamless, efficient, and economical transfer experience to WICHE Passport institutions. Completers of a WICHE Passport will not be required to repeat or take additional course work to meet lower-division general education requirements in the Passport’s nine areas when they transfer to any other network-member institution. Students with an interest in achieving the Passport should contact their NIC advisors.

Transfer Programs

- American Indian Studies (AA) (p. 55)
- American Indian Studies (AC) (p. 56)
- American Sign Language Studies (AA) (p. 57)
- Anthropology (AA) (p. 58)
- Art (AA) (p. 59)
- Biology, Botany, and Zoology (AS) (p. 65)
- Business (AS) (p. 66)
- Chemistry (AS) (p. 74)
- Child Development (AC) (p. 75)
- Child Development (AS) (p. 76)
- Child Development Associate Credential Program (AC) (p. 78)
- Communication (AA) (p. 79)
- Communication (AC) (p. 80)
- Computer Science (AS) (p. 87)
- Criminal Justice (AA) (p. 90)
- Diversity (AC) (p. 100)
- Education – Elementary or Middle School Teacher Education (AA) (p. 101)
- Education – Secondary Education (AA) (p. 102)
- Engineering (AS) (p. 103)
- English (AA) (p. 105)
- Entrepreneurship (AC) (p. 107)
- Environmental Science (AS) (p. 108)
- Forestry/Wildlife/Range Management (AS) (p. 111)
- General Studies (AA) (p. 112)
- General Studies (AC) (p. 113)
- Geology (AS) (p. 114)
- History (AA) (p. 121)
- Humanities (AA) (p. 125)
- Interdisciplinary Studies (AA) (p. 127)
- Journalism (AA) (p. 128)
- Mathematics (AS) (p. 138)
- Modern Languages (AA) (p. 153)
- Music (AA) (p. 154)
- Nursing: Registered Nursing (R.N.) (AS) (p. 162)
Advanced Technical Certificate (ATC)
Students may qualify for an Advanced Technical Certificate by completing a career and technical education program with an earned overall grade point average of at least 2.0 (C). A grade of C- or better is also required for each specific course listed within the program outline. This certificate is a credential awarded after completion of technical and technical support requirements entailing more than one academic year, a minimum of 52 semester credit hours, and mastery of specific competencies from requirements of business/industry.

Associate of Applied Science Degree (AAS)
Students may qualify for an Associate of Applied Science Degree by completing a career and technical education program with an earned overall grade point average of at least 2.0 (C). A grade of C- or better is also required for each specific course listed within the program outline. Some courses may not be transferable to other institutions and some programs may require electives that fulfill general education requirements.

Students should consult with an advisor when setting up their program of study. This degree is a credential awarded for completion of requirements entailing at least two but less than four years of full-time career and technical education study with a minimum of 60 semester credits (includes a minimum of 15 general education credits) and includes mastery of specific competencies drawn from requirements of business/industry. The A.A.S. degree has specific requirements in individual technical fields. An Associate of Applied Science Degree for apprenticeship may be available at NIC for students who successfully complete four years (576 hours) of U.S. Office of Apprenticeship requirements.

For information, contact Cardinal Central at (208) 769-3311.

Limited and Selective Enrollment Program Entry
Certain career and technical education programs have limited capacity and/or additional admission requirements. Prospective students who do not meet the initial eligibility requirements for a limited-enrollment program will need to take selected courses to receive necessary skill-building prior to entering the program. Because of the variety of options and course requirements within each career and technical education program, new students should consult with an advisor to formulate a customized plan prior to registration. Students who are placed on a waitlist for a limited enrollment program may also wish to pursue this option. Call (208) 769-3448 for information and to make an appointment with a career and technical education advisor.

Hands-on Training
Career and technical education and occupational programs provide hands-on training in specialized skills that are designed to connect with immediate employment opportunities. This training is accomplished through experiential learning in labs and shops, and through additional supervised internships at selected job sites or co-op opportunities. Each program has its own curricula for ensuring that students receive hands-on training and work-related experience to be employable in their field of study. Refer to the program and course descriptions for more information about the type of hands-on training provided for each career and technical education program. Those wishing
additional information may contact Career and Technical Education Student Support Services at (208) 769-3448.

**Career-Technical Programs**

- Accounting Assistant (AAS) (p. 49)
- Accounting Assistant-Bookkeeping Emphasis (ATC) (p. 50)
- Accounting Assistant-Bookkeeping Emphasis (ITC) (p. 51)
- Administrative Office Management Technology (AAS) (p. 52)
- Administrative Office Technology (BTC) (p. 54)
- Autobody and Paint Technology (ITC) (p. 60)
- Automotive Technology (AAS) (p. 61)
- Automotive Technology (ATC) (p. 63)
- Automotive Technology (ITC) (p. 64)
- Business Management (AAS) (p. 68)
- Business Management – Entrepreneurship (BTC) (p. 69)
- Business Management – General Business Core (BTC) (p. 70)
- Business Management – Human Resource Management (BTC) (p. 71)
- Business Management – Supervision (BTC) (p. 72)
- Carpentry and Construction Technology (ITC) (p. 73)
- Computer Aided Design Technology–Architectural Design Option (ITC) (p. 81)
- Computer Applications (BTC) (p. 82)
- Computer Information Technology (AAS) (p. 83)
- Computer Information Technology (ATC) (p. 85)
- Computer Information Technology (ITC) (p. 86)
- Construction Management (AAS) (p. 88)
- Culinary Arts (AAS) (p. 91)
- Culinary Arts (ATC) (p. 92)
- Culinary Arts (ITC) (p. 93)
- Cybersecurity and Networking (BTC) (p. 94)
- Dental Hygiene (AAS) (p. 95)
- Diesel Technology (AAS) (p. 97)
- Diesel Technology (ATC) (p. 98)
- Diesel Technology (ITC) (p. 99)
- Fire Fighter 1 (BTC) (p. 109)
- Fire Service Technology (AAS) (p. 110)
- Graphic and Web Design AAS (p. 115)
- Graphic and Web Design ATC (p. 116)
- Graphic and Web Design ITC (p. 117)
- Health Information Fundamentals (ITC) (p. 118)
- Healthcare Document Management (BTC) (p. 119)
- Heating, Ventilation, Air Conditioning, and Refrigeration (ITC) (p. 120)
- Hospitality Management (AAS) (p. 122)
- Hospitality Management (ATC) (p. 123)
- Hospitality Management (ITC) (p. 124)
- Industrial Mechanic/Millwright (ITC) (p. 126)
- Law Enforcement (AAS) (p. 129)
- Law Enforcement (BTC) (p. 132)
- Law Enforcement (ITC) (p. 131)

- Machining and CNC Technology (AAS) (p. 133)
- Machining and CNC Technology (ATC) (p. 135)
- Machining and CNC Technology (ITC) (p. 137)
- Mechanical Design Engineering Technology (AAS) (p. 139)
- Mechanical Design Engineering Technology (ATC) (p. 140)
- Mechanical Design Engineering Technology (ITC) (p. 141)
- Mechatronics (AAS) (p. 142)
- Mechatronics (ATC) (p. 144)
- Mechatronics (ITC) (p. 145)
- Medical Administrative Assistant (AAS) (p. 146)
- Medical Assistant (AAS) (p. 147)
- Medical Assistant (ITC) (p. 148)
- Medical Billing Specialist (AAS) (p. 149)
- Medical Laboratory Technology (AAS) (p. 150)
- Medical Receptionist (ITC) (p. 152)
- Network Security Administration (AAS) (p. 156)
- Network Security Administration (ATC) (p. 158)
- Network Security Administration (ITC) (p. 160)
- Nursing: Practical Nursing (P.N.) (ITC) (p. 161)
- Office Specialist/Receptionist (ITC) (p. 165)
- Office Technology (ITC) (p. 166)
- Outdoor Recreation Leadership (AAS) (p. 167)
- Outdoor Recreation Leadership (ATC) (p. 168)
- Outdoor Recreation Leadership (ITC) (p. 169)
- Paralegal (AAS) (p. 170)
- Physical Therapist Assistant (AAS) (p. 175)
- Radiography Technology (AAS) (p. 185)
- Surgical Technology (AAS) (p. 188)
- Virtual Administrative Assistant (ITC) (p. 190)
- Wastewater Treatment Plant Technology (AAS) (p. 191)
- Welding Technology (AAS) (p. 192)
- Welding Technology (ATC) (p. 193)
- Welding Technology (ITC) (p. 194)

**General Education Framework at North Idaho College**

North Idaho College has a proud heritage of seeking to provide all students with learning experiences to build the knowledge, skills, and abilities needed for productive and meaningful lives and to be contributing members of society. The college framework for general education adopts the principles and requirements outlined in Idaho’s Statewide General Education (Policy III N). NIC’s faculty met with colleagues from across the disciplines at each of the two- and four-year public higher education institutions in Idaho to write competencies in six areas of general education. The courses listed in the following pages represent the thoughtfully considered review by faculty of the content and learning outcomes for general education at NIC. These are:

- Written and Oral Communication: Students will express themselves effectively, in both written and oral forms, to varied audiences to serve diverse purposes.
- Mathematical Ways of Knowing: Students will use appropriate mathematical principles and practices to interpret...
mathematical concepts, execute and explain appropriate strategies, and draw conclusions.

- **Scientific Ways of Knowing:** Students will apply scientific reasoning to various discipline related questions in the field and use laboratory practices appropriately for study, analysis and replication of key principles.
- **Humanistic and Artistic Ways of Knowing:** Students will describe and interpret how a variety of humanistic and artistic forms, reflect, shape, and influence the human condition.
- **Social and Behavioral Ways of Knowing:** Students will use social science reasoning to inquire, collect relevant information, and develop insights on individual, social, community, regional, national, and/or global issues.

In addition, NIC has established requirements for competencies in:

- **Integrative Inquiry and Wellness:** Students will demonstrate self-awareness, apply integrative learning, and develop commitment toward educational and life goals.

These outcomes are the basis for assessing our general education program. Together with the programs we offer, general education at NIC reflects the college's commitment to preparing citizens in the 21st century. NIC students will thereby have the benefit of an education that is shaped by our mission and values as a comprehensive community college.
Interest Areas are groupings of college programs with similar educational and career goals. They help students choose a direction that is suited to their interests, especially when they are unsure about the specific certificate or degree to pursue when they begin college. By starting in an interest area, students can develop confidence and clarity to select a program that is meaningful to them. Interest areas at NIC may include transfer and career programs under one heading. NIC has established the six interest areas listed below:

- Arts, Communication, and Humanities (p. 38)
- Business Administration and Management (p. 38)
- Healthcare (p. 38)
- Manufacturing and Trades (p. 39)
- Science, Technology, Engineering, and Mathematics (p. 39)
- Social Sciences and Human Services (p. 39)

## Arts, Communication, and Humanities

- American Sign Language Studies (AA) (p. 57)
- Art (AA) (p. 59)
- Communication (AA) (p. 79)
- Communication (AC) (p. 80)
- Computer Aided Design Technology-Architectural Design Option (ITC) (p. 81)
- Diversity (AC) (p. 100)
- English (AA) (p. 105)
- General Studies (AA) (p. 112)
- Graphic and Web Design AAS (p. 115)
- Graphic and Web Design ATC (p. 116)
- Graphic and Web Design ITC (p. 117)
- Humanities (AA) (p. 125)
- Interdisciplinary Studies (AA) (p. 127)
- Journalism (AA) (p. 128)
- Modern Languages (AA) (p. 153)
- Music (AA) (p. 154)
- Philosophy (AA) (p. 171)
- Photography (AA) (p. 172)
- Theatre (AA) (p. 189)

## Business Administration and Management

- Accounting Assistant (AAS) (p. 49)
- Accounting Assistant-Bookkeeping Emphasis (ATC) (p. 50)
- Accounting Assistant-Bookkeeping Emphasis (ITC) (p. 51)
- Administrative Office Management Technology (AAS) (p. 52)
- Administrative Office Technology (BTC) (p. 54)
- Business (AS) (p. 66)
- Business Management (AAS) (p. 68)

## Healthcare

- Dental Hygiene (AAS) (p. 95)
- Fire Fighter 1 (BTC) (p. 109)
- Fire Service Technology (AAS) (p. 110)
- General Studies (AA) (p. 112)
- Health Information Fundamentals (ITC) (p. 118)
- Healthcare Document Management (BTC) (p. 119)
- Medical Assistant (AAS) (p. 147)
- Medical Assistant (BTC) (p. 148)
- Medical Billing Specialist (AAS) (p. 149)
- Medical Laboratory Technology (AAS) (p. 150)
• Medical Receptionist (ITC) (p. 152)
• Nursing: Practical Nursing (P.N.) (ITC) (p. 161)
• Nursing: Registered Nursing (R.N.) (AS) (p. 162)
• Outdoor Recreation Leadership (AAS) (p. 167)
• Outdoor Recreation Leadership (ATC) (p. 168)
• Outdoor Recreation Leadership (ITC) (p. 169)
• Physical Education (AS) (p. 173)
• Physical Therapist Assistant (AAS) (p. 175)
• Pre-Medical Related Fields (AS) (p. 179)
• Pre-Nutrition (AS) (p. 181)
• Pre-Physical Therapy (AS) (p. 182)
• Pre-Veterinary Medicine (AS) (p. 183)
• Radiography Technology (AAS) (p. 185)
• Surgical Technology (AAS) (p. 188)

Manufacturing and Trades

• Autobody and Paint Technology ITC (p. 60)
• Automotive Technology (AAS) (p. 61)
• Automotive Technology (ATC) (p. 63)
• Automotive Technology (ITC) (p. 64)
• Carpentry and Construction Technology (ITC) (p. 73)
• Computer Aided Design Technology-Architectural Design Option (ITC) (p. 81)
• Construction Management (AAS) (p. 88)
• Diesel Technology (AAS) (p. 97)
• Diesel Technology (ATC) (p. 98)
• Diesel Technology (ITC) (p. 99)
• Heating, Ventilation, Air Conditioning, and Refrigeration (ITC) (p. 120)
• Industrial Mechanic/Millwright (ITC) (p. 126)
• Machining and CNC Technology (AAS) (p. 133)
• Machining and CNC Technology (ATC) (p. 135)
• Machining and CNC Technology (ITC) (p. 137)
• Mechanical Design Engineering Technology (AAS) (p. 139)
• Mechanical Design Engineering Technology (ATC) (p. 140)
• Mechanical Design Engineering Technology (ITC) (p. 141)
• Mechatronics (AAS) (p. 142)
• Mechatronics (ATC) (p. 144)
• Mechatronics (ITC) (p. 145)
• Wastewater Treatment Plant Technology (AAS) (p. 191)
• Welding Technology (AAS) (p. 192)
• Welding Technology (ATC) (p. 193)
• Welding Technology (ITC) (p. 194)
• Forestry/Wildlife/Range Management (AS) (p. 111)
• General Studies (AA) (p. 112)
• Geology (AS) (p. 114)
• Machining and CNC Technology (AAS) (p. 133)
• Machining and CNC Technology (ATC) (p. 135)
• Machining and CNC Technology (ITC) (p. 137)
• Mathematics (AS) (p. 138)
• Mechanical Design Engineering Technology (AAS) (p. 139)
• Mechanical Design Engineering Technology (ATC) (p. 140)
• Mechanical Design Engineering Technology (ITC) (p. 141)
• Physics/Astronomy (AS) (p. 177)
• Pre-Medical Related Fields (AS) (p. 179)
• Pre-Microbiology/Medical Technology (AAS) (p. 180)
• Pre-Nutrition (AS) (p. 181)
• Pre-Physical Therapy (AS) (p. 182)
• Pre-Veterinary Medicine (AS) (p. 183)

Social Sciences and Human Services

• American Indian Studies (AA) (p. 55)
• American Indian Studies (AC) (p. 56)
• Anthropology (AA) (p. 58)
• Child Development (AC) (p. 75)
• Child Development (AS) (p. 76)
• Child Development Associate Credential Program (AC) (p. 78)
• Criminal Justice (AA) (p. 90)
• Diversity (AC) (p. 100)
• Education – Elementary or Middle School Teacher Education (AA) (p. 101)
• Education – Secondary Education (AA) (p. 102)
• Fire Fighter 1 (BTC) (p. 109)
• Fire Service Technology (AAS) (p. 110)
• General Studies (AA) (p. 112)
• History (AA) (p. 121)
• Law Enforcement (AAS) (p. 129)
• Law Enforcement (BTC) (p. 132)
• Law Enforcement (ITC) (p. 131)
• Outdoor Recreation Leadership (AAS) (p. 167)
• Outdoor Recreation Leadership (ATC) (p. 168)
• Outdoor Recreation Leadership (ITC) (p. 169)
• Paralegal (AAS) (p. 170)
• Physical Education (AS) (p. 173)
• Political Science and Pre-Law (AS) (p. 178)
• Psychology (AS) (p. 184)
• Social Work (AA) (p. 186)
• Sociology (AA) (p. 187)

Science, Technology, Engineering, and Mathematics

• Biology, Botany, and Zoology (AS) (p. 65)
• Chemistry (AS) (p. 74)
• Computer Science (AS) (p. 87)
• Engineering (AS) (p. 103)
• Environmental Science (AS) (p. 108)
AA/AS DEGREE REQUIREMENTS

To qualify for an Associate of Arts or an Associate of Science Degree, a candidate must:

1. Complete a minimum of 60 semester credits of 100- and 200-level courses with a grade point average of 2.0 (C) or better in all work attempted and,
2. Satisfy distribution requirements listed below with a grade of C- or better in each course.

GEM 1 - Written Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>6</td>
</tr>
<tr>
<td>ENGL-102</td>
<td>Writing and Rhetoric II</td>
<td>3</td>
</tr>
</tbody>
</table>

GEM 2 - Oral Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

GEM 3 - Mathematical Ways of Knowing

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-123</td>
<td>Math in Modern Society</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH-130</td>
<td>Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH-147</td>
<td>College Algebra and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH-160</td>
<td>Survey of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

GEM 4 - Scientific Ways of Knowing

Select at least 8 credits, including courses from two different disciplines:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-100</td>
<td>Concepts of Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-115</td>
<td>Introduction to Life Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-227</td>
<td>Human Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BTNY-203</td>
<td>General Botany</td>
<td>3</td>
</tr>
<tr>
<td>BTNY-241</td>
<td>Systematic Botany</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-100</td>
<td>Concepts of Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-101</td>
<td>Introduction to Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-102</td>
<td>Essentials of Organic and Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
</tbody>
</table>

GEM 5 - Humanistic and Artistic Ways of Knowing

Select at least 6 credits, including courses from two different disciplines:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIST-285</td>
<td>American Indian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ART-100</td>
<td>Introduction to Art</td>
<td>3</td>
</tr>
<tr>
<td>ART-101</td>
<td>Art History from Caves to Cathedrals</td>
<td>3</td>
</tr>
<tr>
<td>ART-102</td>
<td>Art History from Da Vinci to Digital</td>
<td>3</td>
</tr>
<tr>
<td>ASL-101</td>
<td>Elementary American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>ASL-102</td>
<td>Elementary American Sign Language II</td>
<td>3</td>
</tr>
<tr>
<td>CINA-126</td>
<td>Film and Culture</td>
<td>3</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-175</td>
<td>Literature and Ideas</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-216</td>
<td>Mythology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-257</td>
<td>Literature of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-258</td>
<td>Literature of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-267</td>
<td>Survey of English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-268</td>
<td>Survey of English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-271</td>
<td>Introduction to Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-277</td>
<td>Great American Writers I: Contact to Civil War</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-278</td>
<td>Great American Writers II: Civil War to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-285</td>
<td>American Indian Literature</td>
<td>3</td>
</tr>
<tr>
<td>FLAN-207</td>
<td>Contemporary World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>FREN-101</td>
<td>Elementary French I</td>
<td>3</td>
</tr>
<tr>
<td>FREN-102</td>
<td>Elementary French II</td>
<td>3</td>
</tr>
</tbody>
</table>
**GEM 6 - Social and Behavioral Ways of Knowing**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERM-101</td>
<td>Elementary German I 💡 ≈ 1</td>
<td></td>
</tr>
<tr>
<td>GERM-102</td>
<td>Elementary German II 💡 ≈ 1</td>
<td></td>
</tr>
<tr>
<td>HUMS-101</td>
<td>Montage: Introduction to the Humanities 💡</td>
<td></td>
</tr>
<tr>
<td>HUMS-126</td>
<td>Film and Culture 💡</td>
<td></td>
</tr>
<tr>
<td>HUMS-200</td>
<td>Interdisciplinary Seminar 💡</td>
<td></td>
</tr>
<tr>
<td>INTR-200</td>
<td>Interdisciplinary Seminar 💡</td>
<td></td>
</tr>
<tr>
<td>ITAL-101</td>
<td>Elementary Italian I 💡 ≈ 1</td>
<td></td>
</tr>
<tr>
<td>ITAL-102</td>
<td>Elementary Italian II 💡 ≈ 1</td>
<td></td>
</tr>
<tr>
<td>MUSI-100</td>
<td>Introduction to Music 💡</td>
<td></td>
</tr>
<tr>
<td>MUSI-127</td>
<td>Survey of American Popular Music Since 1900</td>
<td></td>
</tr>
<tr>
<td>PHIL-101</td>
<td>Introduction to Philosophy 💡</td>
<td></td>
</tr>
<tr>
<td>PHIL-103</td>
<td>Introduction to Ethics 💡</td>
<td></td>
</tr>
<tr>
<td>PHIL-111</td>
<td>World Religions 💡</td>
<td></td>
</tr>
<tr>
<td>PHIL-201</td>
<td>Logic and Critical Thinking 💡</td>
<td></td>
</tr>
<tr>
<td>PHIL-205</td>
<td>Political and Social Philosophy 💡</td>
<td></td>
</tr>
<tr>
<td>PHIL-220</td>
<td>Asian Philosophy 💡</td>
<td></td>
</tr>
<tr>
<td>POLS-208</td>
<td>Political and Social Philosophy 💡</td>
<td></td>
</tr>
<tr>
<td>SPAN-101</td>
<td>Elementary Spanish I 💡 ≈ 1</td>
<td></td>
</tr>
<tr>
<td>SPAN-102</td>
<td>Elementary Spanish II 💡 ≈ 1</td>
<td></td>
</tr>
<tr>
<td>THEA-101</td>
<td>Introduction to the Theatre 💡</td>
<td></td>
</tr>
</tbody>
</table>

1 Completion of one or more Modern Language course counts as only one Humanistic and Artistic Ways of Knowing discipline.

**GEM 7 - Institutionally Designated**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 7I</td>
<td>Designing Your NIC Experience 💡</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7W</td>
<td>Manufacturing Desire: Persuasive Marketing and Message Creation 💡</td>
<td>3</td>
</tr>
<tr>
<td>INTR-250I</td>
<td>Page to Stage: Making Theatre From Scratch 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250J</td>
<td>Psychology of Marketing 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250K</td>
<td>Art and Social Justice 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250L</td>
<td>Artistic Expression in the 20th Century 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250M</td>
<td>Eastern Europe: Society Through Film 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250N</td>
<td>Mathematics and Aesthetics of Musical Tuning 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250O</td>
<td>Leadership in Interprofessional Healthcare 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250P</td>
<td>Common Read 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250Q</td>
<td>Honors in Action 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250R</td>
<td>250 Years of Protest 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250S</td>
<td>The Health Benefits of Nature 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250T</td>
<td>Fairy Tales and the Culture of Childhood 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250U</td>
<td>Science Fiction 📽️</td>
<td></td>
</tr>
<tr>
<td>INTR-250V</td>
<td>Media Literacy in the Digital Age 📽️</td>
<td></td>
</tr>
</tbody>
</table>

**GEM 7W - Wellness**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHD-110</td>
<td>Child Health, Safety and Nutrition 📽️</td>
<td>1-3</td>
</tr>
<tr>
<td>CLC-101</td>
<td>Designing Your NIC Experience 📽️</td>
<td></td>
</tr>
<tr>
<td>CLC-102</td>
<td>Designing Your Life and Career 📽️</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>MUSA-114A</td>
<td>Individual Instruction: Voice</td>
<td></td>
</tr>
<tr>
<td>MUSA-114B</td>
<td>Individual Instruction: Piano</td>
<td></td>
</tr>
<tr>
<td>MUSA-114C</td>
<td>Individual Instruction: Jazz Piano</td>
<td></td>
</tr>
<tr>
<td>MUSA-114D</td>
<td>Individual Instruction: General Guitar</td>
<td></td>
</tr>
<tr>
<td>MUSA-114E</td>
<td>Individual Instruction: Classical Guitar</td>
<td></td>
</tr>
<tr>
<td>MUSA-114F</td>
<td>Individual Instruction: Flute</td>
<td></td>
</tr>
<tr>
<td>MUSA-114G</td>
<td>Individual Instruction: Oboe</td>
<td></td>
</tr>
<tr>
<td>MUSA-114H</td>
<td>Individual Instruction: Clarinet</td>
<td></td>
</tr>
<tr>
<td>MUSA-114I</td>
<td>Individual Instruction: Saxophone</td>
<td></td>
</tr>
<tr>
<td>MUSA-114J</td>
<td>Individual Instruction: Bassoon</td>
<td></td>
</tr>
<tr>
<td>MUSA-114K</td>
<td>Individual Instruction: Trumpet</td>
<td></td>
</tr>
<tr>
<td>MUSA-114L</td>
<td>Individual Instruction: Horn</td>
<td></td>
</tr>
<tr>
<td>MUSA-114M</td>
<td>Individual Instruction: Trombone</td>
<td></td>
</tr>
<tr>
<td>MUSA-114N</td>
<td>Individual Instruction: Euphonium</td>
<td></td>
</tr>
<tr>
<td>MUSA-114O</td>
<td>Individual Instruction: Tuba</td>
<td></td>
</tr>
<tr>
<td>MUSA-114P</td>
<td>Individual Instruction: Violin</td>
<td></td>
</tr>
<tr>
<td>MUSA-114Q</td>
<td>Individual Instruction: Viola</td>
<td></td>
</tr>
<tr>
<td>MUSA-114R</td>
<td>Cello</td>
<td></td>
</tr>
<tr>
<td>MUSA-114S</td>
<td>Individual Instruction: String Bass</td>
<td></td>
</tr>
<tr>
<td>MUSA-114T</td>
<td>Individual Instruction: Electric Bass</td>
<td></td>
</tr>
<tr>
<td>MUSA-114U</td>
<td>Individual Instruction: Percussion</td>
<td></td>
</tr>
<tr>
<td>MUSA-114V</td>
<td>Individual Instruction: Harp</td>
<td></td>
</tr>
<tr>
<td>MUSA-130</td>
<td>Introduction to Piano</td>
<td></td>
</tr>
<tr>
<td>MUSA-145</td>
<td>Piano Class I</td>
<td></td>
</tr>
<tr>
<td>MUSP-102</td>
<td>Cardinal Voices - Commercial Music Ensemble</td>
<td></td>
</tr>
<tr>
<td>MUSP-103</td>
<td>North Idaho College Cardinal Chorale</td>
<td></td>
</tr>
<tr>
<td>MUSP-104</td>
<td>Vocal Jazz Ensemble</td>
<td></td>
</tr>
<tr>
<td>MUSP-106</td>
<td>North Idaho College Wind Symphony</td>
<td></td>
</tr>
<tr>
<td>MUSP-107</td>
<td>Cardinal Pep Band</td>
<td></td>
</tr>
<tr>
<td>MUSP-110M</td>
<td>Chamber Singers</td>
<td></td>
</tr>
<tr>
<td>MUSP-111C</td>
<td>Chamber Ensemble</td>
<td></td>
</tr>
<tr>
<td>MUSP-111O</td>
<td>Cardinal Chamber Orchestra</td>
<td></td>
</tr>
<tr>
<td>MUSP-113</td>
<td>North Idaho College Jazz Ensemble</td>
<td></td>
</tr>
<tr>
<td>NURS-115</td>
<td>Wellness for Care Providers</td>
<td></td>
</tr>
<tr>
<td>PE-101MB</td>
<td>Varsity Sports Strength Training - Men's Basketball</td>
<td></td>
</tr>
<tr>
<td>PE-101MF</td>
<td>Varsity Sports Strength Training - Men's Soccer</td>
<td></td>
</tr>
<tr>
<td>PE-101MG</td>
<td>Varsity Sports Strength Training - Men's Golf</td>
<td></td>
</tr>
<tr>
<td>PE-101MW</td>
<td>Varsity Sports Strength Training - Men's Wrestling</td>
<td></td>
</tr>
<tr>
<td>PE-101WB</td>
<td>Varsity Sports Strength Training - Women's Basketball</td>
<td></td>
</tr>
<tr>
<td>PE-101WF</td>
<td>Varsity Sports Strength Training - Women's Soccer</td>
<td></td>
</tr>
<tr>
<td>PE-101WG</td>
<td>Varsity Sports Strength Training - Men's Golf</td>
<td></td>
</tr>
<tr>
<td>PE-101WS</td>
<td>Varsity Sports Strength Training - Women's Softball</td>
<td></td>
</tr>
<tr>
<td>PE-101WV</td>
<td>Varsity Sports Strength Training - Women's Volleyball</td>
<td></td>
</tr>
<tr>
<td>PE-103MB</td>
<td>Varsity Sports Strength Training - Men's Basketball</td>
<td></td>
</tr>
<tr>
<td>PE-103MF</td>
<td>Varsity Sports Strength Training - Men's Soccer</td>
<td></td>
</tr>
<tr>
<td>PE-103MG</td>
<td>Varsity Sports Strength Training - Men's Golf</td>
<td></td>
</tr>
<tr>
<td>PE-103MW</td>
<td>Varsity Sports Strength Training - Men's Wrestling</td>
<td></td>
</tr>
<tr>
<td>PE-103WB</td>
<td>Varsity Sports Strength Training - Women's Basketball</td>
<td></td>
</tr>
<tr>
<td>PE-103WF</td>
<td>Varsity Sports Strength Training - Women's Soccer</td>
<td></td>
</tr>
<tr>
<td>PE-103WG</td>
<td>Varsity Sports Strength Training - Women's Golf</td>
<td></td>
</tr>
<tr>
<td>PE-103WS</td>
<td>Varsity Sports Strength Training - Women's Softball</td>
<td></td>
</tr>
<tr>
<td>PE-103VW</td>
<td>Varsity Sports Strength Training - Women's Volleyball</td>
<td></td>
</tr>
<tr>
<td>PE-110B</td>
<td>Begin Whitewater Kayaking</td>
<td></td>
</tr>
<tr>
<td>PE-110C</td>
<td>Beginning Rock Climbing</td>
<td></td>
</tr>
<tr>
<td>PE-110D</td>
<td>Beginning Sailing</td>
<td></td>
</tr>
<tr>
<td>PE-110E</td>
<td>Beginning Yoga</td>
<td></td>
</tr>
<tr>
<td>PE-110F</td>
<td>Cardiovascular Training</td>
<td></td>
</tr>
<tr>
<td>PE-110J</td>
<td>Jogging/Powerwalking</td>
<td></td>
</tr>
<tr>
<td>PE-110L</td>
<td>Lake Kayak/Canoe</td>
<td></td>
</tr>
<tr>
<td>PE-110M</td>
<td>Pilates</td>
<td></td>
</tr>
<tr>
<td>PE-110PP</td>
<td>Cross Country Skiling</td>
<td></td>
</tr>
<tr>
<td>PE-110QQ</td>
<td>Zumba</td>
<td></td>
</tr>
<tr>
<td>PE-110R</td>
<td>Strength Training</td>
<td></td>
</tr>
<tr>
<td>PE-110T</td>
<td>Tone and Trim</td>
<td></td>
</tr>
<tr>
<td>PE-110TT</td>
<td>Spinning</td>
<td></td>
</tr>
<tr>
<td>PE-110V</td>
<td>Cardio Cross Training</td>
<td></td>
</tr>
<tr>
<td>PE-110VV</td>
<td>Introduction to CrossFit</td>
<td></td>
</tr>
<tr>
<td>PE-110W</td>
<td>Mountain Biking</td>
<td></td>
</tr>
<tr>
<td>PE-110Y</td>
<td>Bowling</td>
<td></td>
</tr>
<tr>
<td>PE-110Z</td>
<td>Beginning Fly Fishing</td>
<td></td>
</tr>
<tr>
<td>PE-111B</td>
<td>Beginning Golf</td>
<td></td>
</tr>
<tr>
<td>PE-111D</td>
<td>Racquetball</td>
<td></td>
</tr>
<tr>
<td>PE-111F</td>
<td>Beginning Tennis</td>
<td></td>
</tr>
<tr>
<td>PE-111H</td>
<td>Whitewater Rafting</td>
<td></td>
</tr>
<tr>
<td>PE-111O</td>
<td>Outdoor Adventures</td>
<td></td>
</tr>
<tr>
<td>PE-111P</td>
<td>Stand Up Paddle Boarding</td>
<td></td>
</tr>
<tr>
<td>PE-201MB</td>
<td>Varsity Sports Strength Training - Men's Basketball</td>
<td></td>
</tr>
<tr>
<td>PE-201MF</td>
<td>Varsity Sports Strength Training - Men's Soccer</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>PE-201MG</td>
<td>Varsity Sports Strength Training - Men's Golf</td>
<td>[ ]</td>
</tr>
<tr>
<td>PE-201MW</td>
<td>Varsity Sports Strength Training - Men's Wrestling</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-201WB</td>
<td>Varsity Sports Strength Training - Women's Basketball</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-201WF</td>
<td>Varsity Sports Strength Training - Women's Soccer</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-201WG</td>
<td>Varsity Sports Strength Training - Women's Golf</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-201WS</td>
<td>Varsity Sports Strength Training - Women's Softball</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-201WV</td>
<td>Varsity Sports Strength Training - Women's Volleyball</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203MB</td>
<td>Varsity Sports Strength Training - Men's Basketball</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203MF</td>
<td>Varsity Sports Strength Training - Men's Soccer</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203MG</td>
<td>Varsity Sports Strength Training - Men's Golf</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203MW</td>
<td>Varsity Sports Strength Training - Men's Wrestling</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203WB</td>
<td>Varsity Sports Strength Training - Women's Basketball</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203WF</td>
<td>Varsity Sports Strength Training - Women's Soccer</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203WG</td>
<td>Varsity Sports Strength Training - Women's Golf</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203WS</td>
<td>Varsity Sports Strength Training - Women's Softball</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-203WV</td>
<td>Varsity Sports Strength Training - Women's Volleyball</td>
<td>[ ] 1</td>
</tr>
<tr>
<td>PE-222</td>
<td>Wellness Lifestyles</td>
<td>[ ] ∶0</td>
</tr>
<tr>
<td>PE-226</td>
<td>Stress Management</td>
<td>[ ] ∶1</td>
</tr>
<tr>
<td>PE-288</td>
<td>First Aid</td>
<td>[ ] ∶0</td>
</tr>
<tr>
<td>SOC-220</td>
<td>Marriage and Family</td>
<td>[ ] ∶0</td>
</tr>
</tbody>
</table>

1 Course enrollment is restricted to current student athletes only.
AAS DEGREE REQUIREMENTS

The Associate of Applied Science Degree is designed to provide training in specialized skills that can connect with immediate employment opportunities. It is not intended as a preparation for transfer to bachelor’s degree programs, although many credits may transfer to other institutions. To qualify for an A.A.S. degree a candidate must:

1. Complete a minimum of 60 semester credits of 100- and 200-level courses with a grade point average of 2.0 (C) or better in all work attempted; and
2. Complete a minimum of 15 credits of general education coursework selected from the core listed below; and
3. Satisfy all core and program requirements with a grade of C- or better in each course. Candidates should reference their program guideline for a full list of requirements for graduation.

NOTE: Individual programs may require specific courses listed under the headings below.

GEM 1 - Written Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
</tbody>
</table>

GEM 2 - Oral Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

GEM 3 - Mathematical Ways of Knowing

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-123</td>
<td>Math in Modern Society</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH-130</td>
<td>Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH-147</td>
<td>College Algebra and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH-160</td>
<td>Survey of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

GEM 6 - Social and Behavioral Ways of Knowing

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIST-101</td>
<td>American Indian Studies</td>
<td>3</td>
</tr>
<tr>
<td>ANTH-100</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH-102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>CHD-134</td>
<td>Infancy Through Middle Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CJ-103</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>COMJ-140</td>
<td>Mass Media in a Free Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Institutionally Designated

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-233</td>
<td>Interpersonal Communication</td>
<td>3-5</td>
</tr>
<tr>
<td>ECON-201</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON-202</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>HIST-101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST-102</td>
<td>World History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST-103</td>
<td>History of Civilization 20th Century</td>
<td>3-5</td>
</tr>
<tr>
<td>HIST-111</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST-112</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST-115</td>
<td>History of the Americas I: First Peoples and Colonial Period</td>
<td>3-5</td>
</tr>
<tr>
<td>HIST-116</td>
<td>History of the Americas II: Since Independence</td>
<td>3</td>
</tr>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS-237</td>
<td>International Politics and Problems</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
</tbody>
</table>

Career and Technical Requirements

In addition to the general education requirements listed above, candidates for an A.A.S. degree must complete 45 credits or more in their specific career and technical program.
INTERSTATE PASSPORT - WICHE

The Interstate Passport® program is designed to simplify out-of-state transfer of general education across a wide network of two- and four-year schools. Students at North Idaho College who earn a Passport and transfer to another Interstate Passport Network member institution will have their learning achievement recognized; they will not be required to repeat courses or complete additional courses at the receiving institution to meet lower-division general education requirements.

To qualify for the Passport program at NIC, a candidate must:

1. Complete a minimum of 36 credits of the general education requirements listed below: and,
2. Earn a C or better in those courses.

NOTE: Upon completing these requirements, the Registrar’s Office will notify students of the award. Students that complete a Passport will also earn their General Education Academic Certificate; however, because Passport is more restrictive, not all credits required for a Passport will also earn their General Education Academic Certificate.

**WCHE 1 - Oral Communication**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**WCHE 2 - Written Communication**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-102</td>
<td>Writing and Rhetoric II</td>
<td>3</td>
</tr>
</tbody>
</table>

**WCHE 3 - Quantitative Literacy**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-123</td>
<td>Math in Modern Society</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH-130</td>
<td>Finite Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH-147</td>
<td>College Algebra and Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MATH-160</td>
<td>Survey of Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td></td>
</tr>
</tbody>
</table>

**WCHE 4 - Creative Expression**

Complete at least 2 courses from two different disciplines. Completion of one or more Modern Language course (ASL, FREN, GERM, ITAL, SPAN) counts as one discipline:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIST-285</td>
<td>American Indian Literature</td>
<td></td>
</tr>
<tr>
<td>ART-100</td>
<td>Introduction to Art</td>
<td></td>
</tr>
<tr>
<td>ART-101</td>
<td>Art History from Caves to Cathedrals</td>
<td></td>
</tr>
<tr>
<td>ART-102</td>
<td>Art History from Da Vinci to Digital</td>
<td></td>
</tr>
<tr>
<td>CINA-126</td>
<td>Film and Culture</td>
<td></td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural</td>
<td></td>
</tr>
<tr>
<td>ENGL-175</td>
<td>Literature and Ideas</td>
<td></td>
</tr>
<tr>
<td>ENGL-216</td>
<td>Mythology</td>
<td></td>
</tr>
<tr>
<td>ENGL-257</td>
<td>Literature of Western Civilization</td>
<td></td>
</tr>
<tr>
<td>ENGL-258</td>
<td>Literature of Western Civilization</td>
<td></td>
</tr>
<tr>
<td>ENGL-267</td>
<td>Survey of English Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL-268</td>
<td>Survey of English Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL-271</td>
<td>Introduction to Shakespeare</td>
<td></td>
</tr>
<tr>
<td>ENGL-277</td>
<td>Great American Writers I: Contact to Civil War</td>
<td></td>
</tr>
<tr>
<td>ENGL-278</td>
<td>Great American Writers II: Civil War to Contemporary</td>
<td></td>
</tr>
<tr>
<td>ENGL-285</td>
<td>American Indian Literature</td>
<td></td>
</tr>
<tr>
<td>FLAN-207</td>
<td>Contemporary World Cultures</td>
<td></td>
</tr>
<tr>
<td>HUMS-101</td>
<td>Montage: Introduction to the Humanities</td>
<td></td>
</tr>
<tr>
<td>HUMS-126</td>
<td>Film and Culture</td>
<td></td>
</tr>
<tr>
<td>HUMS-200</td>
<td>Interdisciplinary Seminar</td>
<td></td>
</tr>
<tr>
<td>INTR-200</td>
<td>Interdisciplinary Seminar</td>
<td></td>
</tr>
<tr>
<td>MUSI-100</td>
<td>Introduction to Music</td>
<td></td>
</tr>
<tr>
<td>MUSI-127</td>
<td>Survey of American Popular Music Since 1900</td>
<td></td>
</tr>
<tr>
<td>PHIL-101</td>
<td>Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL-103</td>
<td>Introduction to Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL-111</td>
<td>World Religions</td>
<td></td>
</tr>
<tr>
<td>PHIL-201</td>
<td>Logic and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>PHIL-205</td>
<td>Political and Social Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL-220</td>
<td>Asian Philosophy</td>
<td></td>
</tr>
<tr>
<td>POLS-208</td>
<td>Political and Social Philosophy</td>
<td></td>
</tr>
<tr>
<td>THEA-101</td>
<td>Introduction to the Theatre</td>
<td></td>
</tr>
<tr>
<td>ASL-101</td>
<td>Elementary American Sign Language I</td>
<td></td>
</tr>
<tr>
<td>ASL-102</td>
<td>Elementary American Sign Language II</td>
<td></td>
</tr>
<tr>
<td>FREN-101</td>
<td>Elementary French I</td>
<td></td>
</tr>
<tr>
<td>FREN-102</td>
<td>Elementary French II</td>
<td></td>
</tr>
<tr>
<td>GERM-101</td>
<td>Elementary German I</td>
<td></td>
</tr>
<tr>
<td>GERM-102</td>
<td>Elementary German II</td>
<td></td>
</tr>
</tbody>
</table>
**WCHE 5 - Human Cultures**

The Human Cultures Passport Knowledge requirement is satisfied when Creative Expressions, WCHE 4, and Human Society and the Individual, WCHE 7, Passport Knowledge areas are complete.

**WCHE 6 - Teamwork and Value Systems**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL-101</td>
<td>Elementary Italian I</td>
<td>1-3</td>
</tr>
<tr>
<td>ITAL-102</td>
<td>Elementary Italian II</td>
<td>1-3</td>
</tr>
<tr>
<td>SPAN-101</td>
<td>Elementary Spanish I</td>
<td>1-3</td>
</tr>
<tr>
<td>SPAN-102</td>
<td>Elementary Spanish II</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Complete one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHD-110</td>
<td>Child Health, Safety and Nutrition</td>
<td>1-3</td>
</tr>
<tr>
<td>CLC-101</td>
<td>Designing Your NIC Experience</td>
<td>1-3</td>
</tr>
<tr>
<td>CLC-102</td>
<td>Designing Your Life and Career</td>
<td>1-3</td>
</tr>
<tr>
<td>DANC-112</td>
<td>Social/Swing Dance</td>
<td>1-3</td>
</tr>
<tr>
<td>DANC-120</td>
<td>Latin Social Dance</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-102</td>
<td>Cardinal Voices - Commercial Music Ensemble</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-103</td>
<td>North Idaho College Cardinal Chorale</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-104</td>
<td>Vocal Jazz Ensemble</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-106</td>
<td>North Idaho College Wind Symphony</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-107</td>
<td>Cardinal Pep Band</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-110M</td>
<td>Chamber Singers</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-111C</td>
<td>Chamber Ensemble</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-111O</td>
<td>Cardinal Chamber Orchestra</td>
<td>1-3</td>
</tr>
<tr>
<td>MUSP-113</td>
<td>North Idaho College Jazz Ensemble</td>
<td>1-3</td>
</tr>
<tr>
<td>NURS-115</td>
<td>Wellness for Care Providers</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-101MB</td>
<td>Varsity Sports Strength Training - Men's Basketball</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-101MF</td>
<td>Varsity Sports Strength Training - Men's Soccer</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-101MG</td>
<td>Varsity Sports Strength Training - Men's Golf</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-101MW</td>
<td>Varsity Sports Strength Training - Men's Wrestling</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-101WF</td>
<td>Varsity Sports Strength Training - Women's Basketball</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-101WG</td>
<td>Varsity Sports Strength Training - Women's Soccer</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-101WS</td>
<td>Varsity Sports Strength Training - Women's Softball</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103VW</td>
<td>Varsity Sports Strength Training - Women's Volleyball</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103WB</td>
<td>Varsity Sports Strength Training - Women's Basketball</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103WG</td>
<td>Varsity Sports Strength Training - Women's Golf</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103WS</td>
<td>Varsity Sports Strength Training - Women's Softball</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103MJ</td>
<td>Varsity Sports Strength Training - Women's Soccer</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103MW</td>
<td>Varsity Sports Strength Training - Men's Wrestling</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103MF</td>
<td>Varsity Sports Strength Training - Men's Soccer</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103MG</td>
<td>Varsity Sports Strength Training - Men's Golf</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103MB</td>
<td>Varsity Sports Strength Training - Men's Soccer</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103WB</td>
<td>Varsity Sports Strength Training - Women's Basketball</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103WF</td>
<td>Varsity Sports Strength Training - Women's Soccer</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103WG</td>
<td>Varsity Sports Strength Training - Women's Golf</td>
<td>1-3</td>
</tr>
<tr>
<td>PE-103WS</td>
<td>Varsity Sports Strength Training - Women's Softball</td>
<td>1-3</td>
</tr>
</tbody>
</table>
WCHE 7 - Human Society and the Individual

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Complete at least 6 credits, including courses from two different disciplines:</td>
<td>6</td>
</tr>
<tr>
<td>AIST-101</td>
<td>American Indian Studies</td>
<td></td>
</tr>
<tr>
<td>ANTH-100</td>
<td>Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH-102</td>
<td>Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>CHD-134</td>
<td>Infancy Through Middle Childhood</td>
<td></td>
</tr>
<tr>
<td>COMJ-140</td>
<td>Mass Media in a Free Society</td>
<td></td>
</tr>
<tr>
<td>COMM-233</td>
<td>Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>ECON-201</td>
<td>Principles of Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON-202</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>HIST-101</td>
<td>World History I</td>
<td></td>
</tr>
<tr>
<td>HIST-102</td>
<td>World History II</td>
<td></td>
</tr>
<tr>
<td>HIST-103</td>
<td>History of Civilization 20th Century</td>
<td></td>
</tr>
<tr>
<td>HIST-111</td>
<td>United States History I</td>
<td></td>
</tr>
<tr>
<td>HIST-112</td>
<td>United States History II</td>
<td></td>
</tr>
<tr>
<td>HIST-115</td>
<td>History of the Americas I: First Peoples and Colonial Period</td>
<td></td>
</tr>
<tr>
<td>HIST-116</td>
<td>History of the Americas II: Since Independence</td>
<td></td>
</tr>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td></td>
</tr>
</tbody>
</table>

1 Course enrollment is restricted to current student athletes only.

WCHE 8 - Natural Sciences

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Complete 1 Life Science course and 1 Physical Science course:</td>
<td>8</td>
</tr>
<tr>
<td>BTNY-203</td>
<td>General Botany</td>
<td></td>
</tr>
<tr>
<td>ZOOL-202</td>
<td>General Zoology</td>
<td></td>
</tr>
<tr>
<td>CHEM-100</td>
<td>Concepts of Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM-101</td>
<td>Introduction to Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM-102</td>
<td>Essentials of Organic and Biochemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College Chemistry II</td>
<td></td>
</tr>
<tr>
<td>ENSI-119</td>
<td>Introduction to Environmental Science</td>
<td></td>
</tr>
<tr>
<td>PHYS-101</td>
<td>Fundamentals of Physical Science</td>
<td></td>
</tr>
<tr>
<td>PHYS-111</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHYS-211</td>
<td>Engineering Physics I</td>
<td></td>
</tr>
</tbody>
</table>

1 Life Science course

2 Physical Science course

WCHE 9 - Critical Thinking

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Complete one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>INTR-250A</td>
<td>Death and Dying: A Sociocultural, Historical, and Biological Perspective</td>
<td></td>
</tr>
<tr>
<td>INTR-250B</td>
<td>Physical and Virtual Environments</td>
<td></td>
</tr>
<tr>
<td>INTR-250C</td>
<td>Integrative Business and Value Creation</td>
<td></td>
</tr>
<tr>
<td>INTR-250D</td>
<td>Juvenile Justice</td>
<td></td>
</tr>
<tr>
<td>INTR-250E</td>
<td>Writing in the Wild: Literature and Language of Natural Spaces</td>
<td></td>
</tr>
<tr>
<td>INTR-250F</td>
<td>Integrative Inquiry: The Art of Presence</td>
<td></td>
</tr>
<tr>
<td>INTR-250G</td>
<td>Teaching and Learning in the Outdoors</td>
<td></td>
</tr>
<tr>
<td>INTR-250H</td>
<td>Manufacturing Desire: Persuasive Marketing and Message Creation</td>
<td></td>
</tr>
<tr>
<td>INTR-250I</td>
<td>Page to Stage: Making Theatre From Scratch</td>
<td></td>
</tr>
<tr>
<td>INTR-250J</td>
<td>Psychology of Marketing</td>
<td></td>
</tr>
<tr>
<td>INTR-250K</td>
<td>Art and Social Justice</td>
<td></td>
</tr>
<tr>
<td>INTR-250L</td>
<td>Artistic Expression in the 20th Century</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>INTR-250M</td>
<td>Eastern Europe: Society Through Film</td>
<td></td>
</tr>
<tr>
<td>INTR-250N</td>
<td>Mathematics and Aesthetics of Musical Tuning</td>
<td></td>
</tr>
<tr>
<td>INTR-250O</td>
<td>Leadership in Interprofessional Healthcare</td>
<td></td>
</tr>
<tr>
<td>INTR-250P</td>
<td>Common Read</td>
<td></td>
</tr>
<tr>
<td>INTR-250Q</td>
<td>Honors in Action</td>
<td></td>
</tr>
<tr>
<td>INTR-250R</td>
<td>250 Years of Protest</td>
<td></td>
</tr>
<tr>
<td>INTR-250S</td>
<td>The Health Benefits of Nature</td>
<td></td>
</tr>
<tr>
<td>INTR-250T</td>
<td>Fairy Tales and the Culture of Childhood</td>
<td></td>
</tr>
<tr>
<td>INTR-250U</td>
<td>Science Fiction</td>
<td></td>
</tr>
<tr>
<td>INTR-250V</td>
<td>Media Literacy in the Digital Age</td>
<td></td>
</tr>
</tbody>
</table>
Accounting Assistant (AAS)  
Associate of Applied Science

Career-Technical Program  
Interest Areas:  
Business Admin. and Management

The Accounting Assistant program prepares students for occupational opportunities in the field of bookkeeping including payroll clerk, accounts receivable clerk, accounts payable clerk, and full-charge bookkeeper. Bookkeeping and related fields involve the day-to-day analyzing and recording of business transactions, preparing payroll, preparing financial reports, filing state and federal forms, analyzing data, and making decisions. Students will complete general education, general business, and accounting specific courses that will lead to an intermediate technical certificate, an advanced technical certificate, or an associate of applied science degree. Emphasis is placed on manual and computerized accounting applications, current business taxes, credit, collection, and payroll. During the final semester of the A.A.S. degree, students will participate in an accounting internship which is the capstone course for this program. The internship will include tips on job hunting, 135 hours of an off-campus internship, resume writing, interviewing skills, and occupational relations.

Note: To meet industry recommendations, students must possess keyboarding skills of at least 35 wpm with 95% accuracy. NIC will assess this skill in the CAOT-120 course.

Contact Information:  
Business & Professional Programs Division  
Hedlund Building, Room 101  
Phone: (208) 769-3226  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=1)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-110</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT-201</td>
<td>or Principles of Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCT-150</td>
<td>10-Key Skill Building</td>
<td>1</td>
</tr>
<tr>
<td>BUSA-101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-111</td>
<td>Small Business Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT-202</td>
<td>or Managerial Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCT-113</td>
<td>Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-140</td>
<td>QuickBooks</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td>1</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>16-18</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-243</td>
<td>Accounting Ethics Fraud Examination</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in business.
- Analyze and record financial transactions in a manual and computerized accounting system utilizing generally accepted accounting principles (GAAP).
- Prepare financial statements according to generally accepted accounting principles.
- Process payroll transactions in accordance with current payroll reporting requirements.
- Complete accounting cycle tasks using general ledger accounting software.
- Identify internal controls to reduce risk.
- Utilize current income tax resources to prepare personal income tax returns.
- Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.
- Describe current law, practices and policies for establishing, managing and collecting on both consumer and business credit accounts.
- Solve organizational cost accounting problems using tools for identifying cost behaviors and by applying cost accounting techniques.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Accounting Assistant–Bookkeeping Emphasis (ATC)

Advanced Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management

The Accounting Assistant program prepares students for occupational opportunities in the field of bookkeeping including payroll clerk, accounts receivable clerk, accounts payable clerk, and full-charge bookkeeper. Bookkeeping and related fields involve the day-to-day analyzing and recording of business transactions, preparing payroll, preparing financial reports, filing state and federal forms, analyzing data, and making decisions. Students will complete general education, general business, and accounting specific courses that will lead to an intermediate technical certificate, an advanced technical certificate, or an associate of applied science degree. Emphasis is placed on manual and computerized accounting applications, current business taxes, credit, collection, and payroll. During the final semester of the A.A.S. degree, students will participate in an accounting internship which is the capstone course for this program. The internship will include tips on job hunting, 135 hours of an off-campus internship, resume writing, interviewing skills, and occupational relations.

Note: To meet industry recommendations, students must possess keyboarding skills of at least 35 wpm with 95% accuracy. NIC will assess this skill in the CAOT-120 course.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=1)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-110</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT-201</td>
<td>or Principles of Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCT-150</td>
<td>10-Key Skill Building</td>
<td>1</td>
</tr>
<tr>
<td>BUSA-101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td></td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3</td>
<td>A.A.S. Mathematical Ways of Knowing</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>14-16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-111</td>
<td>Small Business Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT-202</td>
<td>or Managerial Accounting</td>
<td></td>
</tr>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-140</td>
<td>QuickBooks</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-244</td>
<td>Credit and Collections</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-243</td>
<td>Accounting Ethics Fraud Examination</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-246</td>
<td>Current Business Taxes</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-113</td>
<td>Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-242</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-248</td>
<td>Accounting Internship</td>
<td>4</td>
</tr>
<tr>
<td>CAOT-250</td>
<td>Office Skills Capstone</td>
<td>1</td>
</tr>
<tr>
<td>BUSA-211</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>52-54</strong></td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE Passport
- AAS Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in business.
- Analyze and record financial transactions in a manual and computerized accounting system utilizing generally accepted accounting principles (GAAP).
- Prepare financial statements according to generally accepted accounting principles.
- Process payroll transactions in accordance with current payroll reporting requirements.
- Complete accounting cycle tasks using general ledger accounting software.
- Identify internal controls to reduce risk.
- Utilize current income tax resources to prepare personal income tax returns.
- Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.
- Describe current law, practices and policies for establishing, managing and collecting on both consumer and business credit accounts.
- Solve organizational cost accounting problems using tools for identifying cost behaviors and by applying cost accounting techniques.
Accounting Assistant–Bookkeeping Emphasis (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
Business Admin. and Management

The Accounting Assistant program prepares students for occupational opportunities in the field of bookkeeping including payroll clerk, accounts receivable clerk, accounts payable clerk, and full-charge bookkeeper. Bookkeeping and related fields involve the day-to-day analyzing and recording of business transactions, preparing payroll, preparing financial reports, filing state and federal forms, analyzing data, and making decisions. Students will complete general education, general business, and accounting specific courses that will lead to an intermediate technical certificate, an advanced technical certificate, or an associate of applied science degree. Emphasis is placed on manual and computerized accounting applications, current business taxes, credit, collection, and payroll. During the final semester of the A.A.S. degree, students will participate in an accounting internship which is the capstone course for this program. The internship will include tips on job hunting, 135 hours of an off-campus internship, resume writing, interviewing skills, and occupational relations.

Note: To meet industry recommendations, students must possess keyboarding skills of at least 35 wpm with 95% accuracy. NIC will assess this skill in the CAOT-120 course.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=1)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-110 or ACCT-201</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-150</td>
<td>10-Key Skill Building</td>
<td>1</td>
</tr>
<tr>
<td>BUSA-101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td></td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits: 16-18</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-111 or ACCT-202</td>
<td>Small Business Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-113</td>
<td>Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-140</td>
<td>QuickBooks</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-243</td>
<td>Accounting Ethics Fraud Examination</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Key
GEM WICHE AAS
Passport Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in business.
- Analyze and record financial transactions in a manual and computerized accounting system utilizing generally accepted accounting principles (GAAP).
- Prepare financial statements according to generally accepted accounting principles.
- Process payroll transactions in accordance with current payroll reporting requirements.
- Complete accounting cycle tasks using general ledger accounting software.
- Identify internal controls to reduce risk.
Administrative Office Management Technology (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:
Business Admin. and Management

The Administrative Office Management Technology program combines a well-balanced academic program with expert administrative and computer instruction, giving a student the diversified educational training and background needed to hold a position of responsibility and importance in many areas of the business world. This program helps raise the administrative skills of the student to a professional level, gives the student a technical background through completion of technical skill courses, innovative office technology experience and includes an academic component that provides the student with a mature understanding of professional responsibilities and workplace readiness skills in our global economy. Program graduates have a variety of options in offices of their interest such as travel, sports or entertainment; banking, insurance, construction and engineering, real estate; technical, government, or foreign service; public, private, or temporary agencies.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=3)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-122</td>
<td>Word Processing/Word III</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-150</td>
<td>PowerPoint</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-164</td>
<td>Computer Fundamentals for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-183</td>
<td>Business Editing and Proofreading</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-204</td>
<td>Career Leadership</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>15</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-132</td>
<td>Spreadsheets/Excel III</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-140</td>
<td>Database/Access I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-210</td>
<td>Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Select two of the following:</td>
<td>5-6</td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td></td>
</tr>
<tr>
<td>BLDR-105</td>
<td>Customer Service</td>
<td></td>
</tr>
<tr>
<td>BLDR-110</td>
<td>Supervisory Management</td>
<td></td>
</tr>
<tr>
<td>ENTP-105</td>
<td>Entrepreneurship Skills</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>16-17</td>
</tr>
</tbody>
</table>

Semester 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-110</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT-201</td>
<td>Principles of Accounting</td>
<td></td>
</tr>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-166</td>
<td>Living Online for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-184</td>
<td>Records Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-205</td>
<td>Business Document Formatting/Transcription</td>
<td>2</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>15</td>
</tr>
</tbody>
</table>

Semester 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-150</td>
<td>10-Key Skill Building</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-220</td>
<td>Administrative Support Internship I</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-250</td>
<td>Office Skills Capstone</td>
<td>1</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>14-16</td>
</tr>
</tbody>
</table>

Total Credits 60-63

1 Students intending to obtain a four-year degree should take ACCT-201 Principles of Accounting.

Course Key

<table>
<thead>
<tr>
<th>Institutionally Designated</th>
<th>AAS Gateway</th>
<th>Milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WICHE Passport</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Use integrated computational skills to solve a variety of business applications such as inventory, payroll, calculating interest, and budget monitoring.
- Describe the changing work environment and the skills needed by the Administrative Assistant to function in a changing work environment.
- Organize and prioritize time and tasks within a business environment.
- Examine planning and leadership skills and characteristics and evaluate the role they play in organizational success.
- Use problem solving, interpersonal, and collaborative skills to complete work independently or in a team in an ethical and professional manner.
- Utilize business terminology and vocabulary to communicate in both written and oral forms following rules of confidentiality.
- Develop, edit, format, and proofread correspondence that meet acceptable business standards.
- Make use of office equipment, such as 10-key, copiers, fax machines, and transcription equipment to complete documents and office projects.
- Develop and apply project management, records management, and organizational skills to complete office tasks and projects.
- Use a variety of computer applications to produce multiple documents required in a variety of office settings.
• Conduct internet searches to locate business information; analyze and evaluate its usefulness in given business scenarios.
• Select and use appropriate resources to collect business data that informs decision-making.
• Demonstrate the ability to use innovative technologies (such as teleconferences, webinars, blogs, social media, web pages, cloud-based platforms, etc.) in an office environment.
• Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Administrative Office Technology (BTC)

Basic Technical Certificate

Career-Technical Program
Interest Areas:
   Business Admin. and Management

This certificate program is designed for individuals who desire to update or attain new office skills by completing a combination of required and elective courses that reflect their own personal career needs. The curriculum provides students with the updated knowledge and skills necessary to work in various office settings. Students receive hands-on working knowledge of innovative office technologies, records management, office procedures, and software skills.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=3)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-140</td>
<td>Database/Access I</td>
<td>1</td>
</tr>
<tr>
<td>Choose 5 elective credits from list below.</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-184</td>
<td>Records Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-210</td>
<td>Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Choose 3 elective credits from list below.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Total Credits: 15

Elective Credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any ACCT Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any BUSA Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Applications and Office Technology Computer Courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td></td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td></td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td></td>
</tr>
<tr>
<td>CAOT-122</td>
<td>Word Processing/Word III</td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td></td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td></td>
</tr>
<tr>
<td>CAOT-132</td>
<td>Spreadsheets/Excel III</td>
<td></td>
</tr>
<tr>
<td>CAOT-150</td>
<td>PowerPoint</td>
<td></td>
</tr>
<tr>
<td>CAOT-164</td>
<td>Computer Fundamentals for Technical Programs</td>
<td></td>
</tr>
<tr>
<td>CAOT-165</td>
<td>Productivity Software for Technical Programs</td>
<td></td>
</tr>
<tr>
<td>CAOT-166</td>
<td>Living Online for Technical Programs</td>
<td></td>
</tr>
</tbody>
</table>

Course Key

GEM  WICHE  AAS  Passport  Institutionally Designated  Gateway  Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Use a variety of computer applications to produce multiple documents required in a variety of office settings.
- Demonstrate competency in basic office procedures.
- Use problem solving, interpersonal, and collaborative skills to complete work independently or in a team in an ethical and professional manner.
- Demonstrate the ability to use innovative technologies (such as teleconferences, webinars, blogs, social media, web pages, cloud-based platforms, etc.) in an office environment.
- Develop and apply project management, records management, and organizational skills to complete office tasks and projects.
American Indian Studies (AA)
Associate of Arts

Transfer Program
Interest Areas:
  Soc. Sciences and Human Srvs.

The American Indian Studies program was designed in collaboration with the Coeur d'Alene Tribe and examines the contemporary and ancient experiences and ways of life of the first peoples of North America from their perspective. The curriculum is designed to provide a study of American Indians from a holistic and humanistic viewpoint by focusing on their cultural, historical, and contemporary life. It is an interdisciplinary program drawing on the arts, humanities, social sciences, natural resources, science, and professional studies.

This program satisfies the requirements for an associate's academic transfer degree and is intended to serve both Indian and non-Indian students. Course selections should be tailored to match requirements of the intended transfer institution.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=4)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>AIST-101</td>
<td>American Indian Studies</td>
<td>3</td>
</tr>
<tr>
<td>AIST-225</td>
<td>Native People of North America</td>
<td>3</td>
</tr>
<tr>
<td>or ANTH-225</td>
<td>Native People of North America</td>
<td></td>
</tr>
<tr>
<td>AIST-285</td>
<td>American Indian Literature</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-285</td>
<td>American Indian Literature</td>
<td></td>
</tr>
<tr>
<td>AIST-240</td>
<td>American Indian History</td>
<td>3</td>
</tr>
<tr>
<td>or HIST-240</td>
<td>American Indian History</td>
<td></td>
</tr>
<tr>
<td>AIST-250</td>
<td>American Indian Sovereignty and Federal Policy</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Elective Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Courses</td>
<td>100-level or higher</td>
<td>13-15</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>60-64</td>
</tr>
</tbody>
</table>

1 This General Education Requirement is partially met by the Program Requirements.

Program Outcomes

Upon completion of the program, students will be able to:

- Describe and conduct research on the shifting socio-cultural diversity of history, culture, and politics in the development of tribal worldviews that relate to modern and contemporary issues of concern for American Indian peoples.
- Recognize how American Indian stereotypes reify and influence the complex nuances of American Indian identity from historical and contemporary contexts.
- Articulate the significance, and contributions, of American Indian written literature, oral traditions, ceremonies, spirituality, and rituals in American Indian cultures.
- Explain and critique the effects of colonial laws and policies on American Indian cultures, sovereignty, and contemporary tribal governance.
- Pursue their educational and professional goals through transfer or transition to a different field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
American Indian Studies (AC)

Academic Certificate

Transfer Program
Interest Areas:
  Soc. Sciences and Human Srvs.

The Academic Certificate in American Indian Studies will help prepare students for a profession in a tribal community or off-reservation organizations serving Native people. In addition, it will serve and benefit anyone in professions already working in the fields of education, governance, resource management, health, social services, law, etc., that deal with American Indian history, culture, communities, and enterprises at one level or another. The certificate will provide an in-depth working familiarity of tribal communities, health-related industries, tribal history, culture, linguistics, and policy issues. The certificate curriculum requires a core of 15 credit hours. The certificate allows students to apply earned credits toward an AA with emphasis in American Indian Studies.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=4)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIST-101</td>
<td>American Indian Studies</td>
<td>3</td>
</tr>
<tr>
<td>AIST-225</td>
<td>Native People of North America</td>
<td>3</td>
</tr>
<tr>
<td>or ANTH-225</td>
<td>Native People of North America</td>
<td></td>
</tr>
<tr>
<td>AIST-240</td>
<td>American Indian History</td>
<td>3</td>
</tr>
<tr>
<td>or HIST-240</td>
<td>American Indian History</td>
<td></td>
</tr>
<tr>
<td>AIST-250</td>
<td>American Indian Sovereignty and Federal Policy</td>
<td>3</td>
</tr>
<tr>
<td>AIST-285</td>
<td>American Indian Literature</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-285</td>
<td>American Indian Literature</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 15

Course Key

- GEM
- WICHE
- AAS
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Identify and describe credible sources for learning about tribes.
- Effectively engage with tribal members, through reflective practice.
- Recognize and articulate the working relationship of tribal, state, and federal policies.
- Critique published materials, media, and policies that impact the overall success of tribal communities and tribal people.
- Work collaboratively in a group setting to produce a quality deliverable.

- Identify and dispel common misconceptions and stereotypes of American Indians.
- Identify, describe and articulate current issues and a working knowledge of Indian nations.
- Using qualitative ethnographic methodology, conduct research on Native history, culture and current events.
American Sign Language Studies (AA)
Associate of Arts

Transfer Program
Interest Areas:
  Arts, Comm., and Humanities

This program prepares students for transfer to a four-year program in pursuit of careers in the Signing Professions. Course work is designed to provide information on the linguistic, historical, and cultural background of the American Deaf community.

An associate's degree with emphasis in American Sign Language Studies meets the general education requirements at all Idaho public universities. Course selection should be coordinated to meet requirements for the intended transfer institution’s related majors. Such related majors may include: Deaf Studies, Early Childhood Education, Vocational Rehabilitation, and Sign Language Interpreting. Other professions that would benefit from this acquired skill and knowledge may include careers in Human Services, Education, Social Services, and Business.

Note: This is not an Interpreter Training Program (ITP), but most courses transfer to satisfy some ITP requirements at the transfer institution.

Contact Information:
English & Humanities Division
Lee-Kildow Hall, Room 204C
Phone: (208) 769-3394
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=84)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL-101</td>
<td>Elementary American Sign Language I</td>
<td>5</td>
</tr>
<tr>
<td>ASL-102</td>
<td>Elementary American Sign Language II</td>
<td>5</td>
</tr>
<tr>
<td>ASL-126</td>
<td>Introduction to the Signing Professions</td>
<td>3</td>
</tr>
<tr>
<td>ASL-201</td>
<td>Intermediate American Sign Language I</td>
<td>4</td>
</tr>
<tr>
<td>ASL-202</td>
<td>Intermediate American Sign Language II</td>
<td>4</td>
</tr>
<tr>
<td>ASL-207</td>
<td>Deaf Culture and Community</td>
<td>3</td>
</tr>
<tr>
<td>ASL-210</td>
<td>Linguistics of ASL</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Perform intermediate language proficiency based on the ASLTA\(^1\) Standards for learning ASL (created from ACTFL\(^2\) Guidelines) in all areas of communication which included:
  - Initiate, engage, and elaborate in ASL conversations covering a vast array of topics in a culturally appropriate manner
  - Utilize both academic and “real-world” ASL
  - Demonstrate understanding of the linguistic principles of ASL including the phonology, morphology, syntax, semantics, and pragmatics of the language.

- Demonstrate and understanding and appreciation of American Deaf Culture and common practices/perspectives of Deaf people.

- Identify commonalities and differences between ASL/Deaf Culture and English/Hearing Cultures.

- Discover various career paths that involve ASL and the Deaf community.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.

1 The American Sign Language Teacher’s Association (ASLTA) is a national professional organization of American Sign Language and Deaf studies teacher.

2 The American Council on the Teaching of Foreign Languages (ACTFL) is also a national professional organization dedicated to the improvement and expansion of the teaching and learning of all languages at all levels of instructions.
Anthropology (AA)  
Associate of Arts

Transfer Program
Interest Areas:
   Soc. Sciences and Human Srvs.

Anthropology is the study of humans and our immediate ancestors. Anthropologists explore human cultural and biological diversity across time and space. Central to this endeavor is an emphasis upon understanding the whole of the human condition, attentive to the variety of ways in which culture, society, biology and the environment influence how humans see and interact with the world. Anthropology includes the sub-disciplines of archaeology, cultural anthropology, biological (physical) anthropology, and linguistics. The curriculum is designed to provide students with an understanding of the basic foundations of anthropology and to prepare them to transfer to a university for further studies toward a Bachelor’s or advanced degree.

The skills and scope of knowledge developed in an anthropology program prepares students for work in a variety of settings, both in public and private sectors in the U.S. and abroad. Because of the interdisciplinary nature of anthropology many teach across a broad spectrum of disciplines in the humanities, social sciences, health sciences, physical sciences, and biological sciences. Outside the university, anthropologists work in government agencies, private businesses, museums, private research institutes, service fields, cultural resource management, etc. Others work as independent consultants and researchers for the Centers for Disease Control, UNESCO, the World Health Organization, and the World Bank, among others.

Completion of the program is designed to result in an Associate’s degree, and meets the general education requirements at all Idaho public universities. Course selections should be tailored to match requirements of the intended transfer institution.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=5)

Program Requirements
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1 -</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2 -</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 -</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4 -</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5 -</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6 -</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7 -</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>ANTH-100</td>
<td>Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH-102</td>
<td>Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Select two of the following:

- ANTH-225 Native People of North America
- ANTH-230 Introduction to Archaeology and World Prehistory
- ANTH-251 Introduction to Biological Anthropology

**Elective Requirements**
Courses 100-level or higher 15

**Total Credits** 60-62

1 This General Education Requirement is met by the Program Requirements.
2 This General Education Requirement is partially met by the Program Requirements.

**Recommended Elective Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIST-101</td>
<td>American Indian Studies</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>HIST-101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>SOC-251</td>
<td>Race and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language</td>
<td></td>
<td>4-5</td>
</tr>
</tbody>
</table>

**Course Key**

- GEM
- WICHE
- AAS
- Passport
- Institutionally Designated
- Gateway
- Milestone

**Program Outcomes**

Upon completion of the program, students will be able to:

- Summarize foundational theories, methods, and approaches used in anthropology to understand humanity and our immediate ancestors.
- Analyze human biological and cultural diversity, and the processes associated with such variation.
- Identify ethical concerns related to the field of anthropology.
- Pursue their educational and professional goals through transfer or transition to a different field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Art (AA)
Associate of Arts

Transfer Program
Interest Areas: 
Arts, Comm., and Humanities

The Art program provides a broad introduction to the vocabulary, media, tools, processes, styles, and themes in the visual arts.

The art curriculum teaches students to develop high levels of individual artistic awareness and expression through their study of the elements of art and principles of design that are the basis of a wide range of transfer programs. In the ever-changing world of the visual arts, using new media and tools requires in-depth understanding of and skill in traditional art-making processes to develop visual literacy, conceptual capacities, and critical thinking. Courses teach technical and formal skills, exploration of creative processes, and clear communication of visual ideas.

Pursuing a degree in Art leads students into a range of careers and opportunities in the contemporary art world. These professions include art-making in ceramics, drawing, painting, photography, printmaking, and sculpture; teaching art at all levels of education; and working in fields such as architecture, art history, art restoration, art therapy, design (including interior, industrial, graphic, product, furniture, theater set, and others), film, galleries, illustration, museums and public art. The Art department maintains a gallery for students, NIC, and the wider community as a visual arts resource in the region.

Completion of the following courses results in an associate’s degree and meets the general core requirements at all Idaho public institutions. The suggested coursework below normally fulfills the first half of baccalaureate degree requirements for Art. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Communication & Fine Arts Division
Boswell Hall, Room 144
Phone: (208) 769-3276
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=6)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td>ART-100</td>
<td>Introduction to Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Translate the vocabulary and demonstrate an understanding of the elements of art and principles of design to art making and critical evaluation.
- Demonstrate knowledge and skills utilizing traditional and contemporary practices in a range of two and three-dimensional media, using media specific materials, tools, and processes.
- Apply critical thinking and problem-solving skills towards the development of self-awareness, individual expression, and communication in the visual arts.
- Recognize the main movements, patterns, and changes in the visual arts throughout history; formulate an understanding of how the values of a culture and civilization are expressed in its artwork and artifacts.
- Create, prepare, and present artwork, demonstrating a basic understanding of professional practices in the field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
**Program Outcomes**

Upon completion of the program, students will be able to:

- Select and consistently demonstrate proper overall shop safety procedures in the auto collision repair industry.
- Explain both unibody and full frame vehicle construction and how these structures react in a variety of collision circumstances.
- Properly remove and install all basic vehicle components including sheet metal parts, glass windshields and doors, passive resistant systems, bumpers, trim, as well as suspension and steering mechanisms.
- Explain the basic principles and perform the proper techniques for sheet metal rough out and repair.
- Explain the fundamentals of paint refinishing and demonstrate refinishing techniques through the proper use of equipment.
- Identify structural damage and develop an industry acceptable repair sequence for a variety of different damage scenarios.
- Explain the basic principles and perform the proper techniques for plastic and composite repair including the use of nitrogen welding.
- Explain the basic principles and perform the proper techniques for Gas Metal Arc Welding (GMAW).
- Explain the basic principles of analyzing damage (blueprinting) and create hand written and computerized estimates.
- Describe and model proper work habits and employ communication practices and computation skills appropriate to the auto collision repair industry.
Automotive Technology (AAS)  
Associate of Applied Science

Career-Technical Program
Interest Areas:  
Manufacturing and Trades

This program is designed to prepare students for employment as entry-level technicians in the automotive repair industry. All ASE (Automotive Service Excellence) areas will be taught through the use of lecture, mock-ups, and customer vehicles. Successful completion of each semester or permission of the instructor is required for admission to the next semester.

Due to the complexity of cars today, the industry requires a high degree of reading and comprehension skills. Placement in specific English and courses math is determined by the college assessment test. The North Idaho College Automotive Technology program is NATEF certified and is taught by ASE Master Technicians.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor’s permission.

Contact Information:  
Trades & Industry Division  
Parker Technical Education Center  
7064 West Lancaster Road  
Rathdrum, ID 83858  
Phone: (208) 769-3448  
Program Website (https://www.nic.edu/services/programs/viewprogram.aspx?program_id=7)

Program Requirements
In addition to the specific Automotive Technology courses, students must take a minimum of 15 credits of A.A.S. general education courses as specified in the program below. (The math requirement should be taken during the student’s first semester of the program.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO-102</td>
<td>Automotive Technology Fundamentals and Safety</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-111</td>
<td>Manual Drive Trains and Axles</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-118</td>
<td>Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-119L</td>
<td>Automotive Lab I</td>
<td>7</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>17-19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO-124</td>
<td>Brakes, Suspension and Steering</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-127</td>
<td>Engine Repair</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-129L</td>
<td>Automotive Lab II</td>
<td>7</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO-231</td>
<td>Engine Performance I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-233</td>
<td>Electrical Systems II and HVAC</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-235L</td>
<td>Advanced Automotive Lab III</td>
<td>7</td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Course Key  
GEM  
WICHE  
AA  
Milestone

Program Outcomes
Upon completion of the program, students will be able to:

- Understand, explain, and model proper safety procedures in regards to overall shop safety practices with emphasis on maintenance/repair of automotive systems. Complete and pass nationally recognized S/P2, online safety training before attending any lab courses.
- Effectively troubleshoot and repair the following automotive systems, following NATEF program standards:
  - Engine Repair
  - Manual Drive Train and Axles
  - Suspension and Steering systems
  - Brakes
  - Electrical systems
- Demonstrate good, productive work habits, and basic computation and communications skills when performing both technical and general functions required of an automotive technician.
- Demonstrate effective diagnosis and repair of the following automotive systems:
  - Engine Repair
  - Automatic Transmissions and Transaxles
  - Manual Drive Train and Axles
  - Suspension and Steering systems
  - Brakes
  - Electrical/Electronic systems
  - Heating and Air conditioning systems
  - Engine performance
- Analyze vehicle malfunctions and formulate a process of diagnosis.
- Employ the proper operation of mechanical and electrical test equipment.
- Evaluate test results to predict the most likely root cause.
- Formulate the most efficient repair procedure.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an
additional program-designated or selected course from any of the GEM requirements.
Automotive Technology (ATC)  
Advanced Technical Certificate

Career-Technical Program  
Interest Areas:  
  Manufacturing and Trades

This program is designed to prepare students for employment as entry-level technicians in the automotive repair industry. All ASE (Automotive Service Excellence) areas will be taught through the use of lecture, mock-ups, and customer vehicles. Successful completion of each semester or permission of the instructor is required for admission to the next semester.

Due to the complexity of cars today, the industry requires a high degree of reading and comprehension skills. Placement in specific English and courses math is determined by the college assessment test. The North Idaho College Automotive Technology program is NATEF certified and is taught by ASE Master Technicians.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:  
 Trades & Industry Division  
Parker Technical Education Center  
7064 West Lancaster Road  
Rathdrum, ID 83858  
Phone: (208) 769-3448  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=7)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO-102</td>
<td>Automotive Technology Fundamentals and Safety</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-111</td>
<td>Manual Drive Trains and Axles</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-118</td>
<td>Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-119L</td>
<td>Automotive Lab I</td>
<td>7</td>
</tr>
<tr>
<td>MCTE-104</td>
<td>Technical Mathematics for Automotive Technology and Diesel</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO-124</td>
<td>Brakes, Suspension and Steering</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-127</td>
<td>Engine Repair</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-129L</td>
<td>Automotive Lab II</td>
<td>7</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-231</td>
<td>Engine Performance I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-233</td>
<td>Electrical Systems II and HVAC</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-235L</td>
<td>Advanced Automotive Lab III</td>
<td>7</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO-241</td>
<td>Automatic Transmissions/Transaxles</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-243</td>
<td>Engine Performance II</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>58</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Passport
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Understand, explain, and model proper safety procedures in regards to overall shop safety practices with emphasis on maintenance/repair of automotive systems. Complete and pass nationally recognized S/P2, online safety training before attending any lab courses.
- Effectively troubleshoot and repair the following automotive systems, following NATEF program standards:
  - Engine Repair
  - Manual Drive Train and Axles
  - Suspension and Steering systems
  - Brakes
  - Electrical systems
- Demonstrate good, productive work habits, and basic computation and communications skills when performing both technical and general functions required of an automotive technician.

In addition to the above outcomes, the Advanced Technical Certificate outcomes include:

- Demonstrate effective diagnosis and repair of the following automotive systems:
  - Engine Repair
  - Automatic Transmissions and Transaxles
  - Manual Drive Train and Axles
  - Suspension and Steering systems
  - Brakes
  - Electrical/Electronic systems
  - Heating and Air conditioning systems
  - Engine performance
- Analyze vehicle malfunctions and formulate a process of diagnosis.
- Employ the proper operation of mechanical and electrical test equipment.
- Evaluate test results to predict the most likely root cause.
- Formulate the most efficient repair procedure
Automotive Technology (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:
  Manufacturing and Trades

This program is designed to prepare students for employment as entry-level technicians in the automotive repair industry. All ASE (Automotive Service Excellence) areas will be taught through the use of lecture, mock-ups, and customer vehicles. Successful completion of each semester or permission of the instructor is required for admission to the next semester.

Due to the complexity of cars today, the industry requires a high degree of reading and comprehension skills. Placement in specific English and courses math is determined by the college assessment test. The North Idaho College Automotive Technology program is NATEF certified and is taught by ASE Master Technicians.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor’s permission.

Contact Information:

Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=7)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-102</td>
<td>Automotive Technology Fundamentals and Safety</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-111</td>
<td>Manual Drive Trains and Axles</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-118</td>
<td>Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-119L</td>
<td>Automotive Lab I</td>
<td>7</td>
</tr>
<tr>
<td>MCTE-104</td>
<td>Technical Mathematics for Automotive Technology and Diesel</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>19</strong></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO-124</td>
<td>Brakes, Suspension and Steering</td>
<td>2</td>
</tr>
<tr>
<td>AUTO-127</td>
<td>Engine Repair</td>
<td>3</td>
</tr>
<tr>
<td>AUTO-129L</td>
<td>Automotive Lab II</td>
<td>7</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Understand, explain, and model proper safety procedures in regards to overall shop safety practices with emphasis on maintenance/repair of automotive systems. Complete and pass nationally recognized S/P2, online safety training before attending any lab courses.
- Effectively troubleshoot and repair the following automotive systems, following NATEF program standards:
  - Engine Repair
  - Manual Drive Train and Axles
  - Suspension and Steering systems
  - Brakes
  - Electrical systems
- Demonstrate good, productive work habits, and basic computation and communications skills when performing both technical and general functions required of an automotive technician.

Course Key

GEM WICHE AAS Gateway Milestone
Passport Institutionally Designated
Biology, Botany, and Zoology (AS)
Associate of Science

Transfer Program
Interest Areas: Science, Tech., Engr. and Math

The biological sciences deal with the basic principles of all living things: structure, function, and ecological associations. An understanding of biological principles is important in a wide variety of fields, including the health professions, education, agriculture, forestry, and environmental sciences.

Completion of the following courses results in an Associate of Science Degree with an area of emphasis in Biology, Botany, and Zoology. The required coursework normally fulfills the first half of baccalaureate degree requirements in Biology, Botany, or Zoology. Course selection should be tailored to match requirements defined by intended transfer institution.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=8)

Program Outcomes
Upon completion of the program, students will be able to:

- Explain major concepts in biological sciences.
- Demonstrate proper lab techniques and use of biological instrumentation.
- Communicate biological knowledge in oral and written form.
- Explain the relationships between structure and function at all levels of the biological hierarchy.
- Read, interpret and critically respond to scientific information.
- Demonstrate ethical conduct in scientific activities.
- Apply foundational knowledge to interact with organic, biological specimens in order to develop laboratory and observational skills, and to enhance understanding of the relationships between form and function.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-115</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BIOL-231</td>
<td>General Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BTNY-203</td>
<td>General Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-111</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL-202</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>or BTNY-241</td>
<td>Systematic Botany</td>
<td>4</td>
</tr>
<tr>
<td>MATH-160</td>
<td>Survey of Calculus</td>
<td>4</td>
</tr>
<tr>
<td>or MATH-170</td>
<td>Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 63-65

1 This General Education Requirement is met by the Program Requirements.
2 Select course based on intended transfer institution.
Business (AS)
Associate of Science

Transfer Program
Interest Areas:
   Business Admin. and Management

The Business Associate of Science Degree requires completion of three areas: the General Education Requirements (GEM courses), the Business Core requirements, and the required courses listed under one of the following three pathways: Business Administration, Business Teacher Education, or General Business.

Completion of the following courses results in an associate's degree. The suggested coursework normally fulfills the first half of baccalaureate degree requirements in the selected Business pathway. Course selection should be tailored to match requirements defined by intended transfer institutions.

Business Administration Pathway
The study of Business Administration leads to career opportunities in accounting, economics, information systems, finance, human resources management, marketing, production management, and other business-related fields.

Business Teacher Education Pathway
Business teacher education majors learn how to teach business in career technical programs for students at various grade levels. Classes cover such topics as accounting, economics, computer systems, and career guidance. The suggested coursework normally fulfills the first half of baccalaureate degree requirements in Business Teacher Education.

General Business Pathway
The study of General Business leads to career opportunities in several business-related fields.

Consult with your NIC business faculty advisor and refer to the college catalog of your intended transfer institution for more information.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=105)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td>ACCT-201</td>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following areas of emphasis (see below for details):

<table>
<thead>
<tr>
<th>Business Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA-251</td>
</tr>
<tr>
<td>BUSA-265</td>
</tr>
<tr>
<td>ECON-201</td>
</tr>
<tr>
<td>or ECON-202</td>
</tr>
</tbody>
</table>

Total Credits 60-67

1. Consult with your business faculty advisor to determine the appropriate math course(s).
2. This General Education Requirement is partially met by the Program Requirements.

Areas of Emphasis

Business Administration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA-211</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-265</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON-201</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON-202</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-201</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-272</td>
<td>Business Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 15

Business Teacher Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA-100</td>
<td>Digital Literacy in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-211</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-265</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON-201</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON-202</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-272</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 18

General Business

Select five of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA-100</td>
<td>Digital Literacy in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-211</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-251</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-265</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON-201</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON-202</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-202</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 15
Program Outcomes
Upon completion of the program, students will be able to:

- Effectively communicate in both oral and written formats.
- Identify and explain the major functional areas of the business organizations including management, marketing, finance, and accounting.
- Apply accounting and mathematical concepts and principles in making decisions about business operations.
- Assess the relationships and inter-dependencies of economic, social, legal, and global environments in which businesses operate.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Business Management (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
   Business Admin. and Management

The Business Management program provides students with an associate of applied science degree to fit educational and professional goals geared towards business leadership and management. The components of the A.A.S. degree consist of three areas: 1) completion of General Business Core, 2) completion of three Basic Technical Certificates for a rich mix of Career and Technical Areas of Competence (CTAC), and 3) completion of the General Education requirements for a total of 60-62 credits.

Successful completion of each of the Basic Technical Certificates will enable students to specialize in specific areas of interest for entry-level positions that meet their individual career goals. Placement in some of the courses in the CTAC may be determined by college assessment tests or prior to completion of prerequisites.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>ECON-201</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEM 2 - Oral Communication</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>GEM 6 - Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**General Business Core**

- BLDR-105 Customer Service
- BUSA-101 Introduction to Business
- BUSA-211 Principles of Management

**Entrepreneurship**

- BUSA-221 Principles of Marketing
- ENTP-105 Entrepreneurship Skills
- ENTP-125 Small Business Financial Management
- ENTP-135 Business Development and Planning

**Human Resource Management**

- BLDR-132 Employee Benefits Compensation
- BMGT-260 Human Resource Management
- BUSA-265 Legal Environment of Business
- HRA-210 Recruiting, Selection, and Retention

**Supervision**

- BLDR-110 Supervisory Management
- BLDR-122 Leadership

Program Outcomes

Upon completion of the program, students will be able to:

- Use basic management, problem solving, interpersonal, and collaborative skills to complete work independently or in a team as would generally be expected in an entry-level management position in a business.
- Demonstrate an understanding of and competency in basic time, cost, quality, personnel and risk management principles in business.
- Develop key business skills and knowledge needed to be successful when launching and/or operating a business.
- Apply basic theories and best practices of business managers and leaders in a business setting.
- Develop and refine business idea(s) from concept through a complete business plan for a new business venture or for a new service or product line for an existing business.
- Confidently demonstrate written and verbal communication professionally to subordinates, peers, superiors, potential customers and stakeholders.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Business Management – Entrepreneurship (BTC)

Basic Technical Certificate

Career-Technical Program
Interest Areas:

Business Admin. and Management

The Business Management program provides students with an associate of applied science degree to fit educational and professional goals geared towards business leadership and management. The components of the A.A.S. degree consist of three areas: 1) completion of General Business Core, 2) completion of three Basic Technical Certificates for a rich mix of Career and Technical Areas of Competence (CTAC), and 3) completion of the General Education requirements for a total of 60-62 credits.

Successful completion of each of the Basic Technical Certificates will enable students to specialize in specific areas of interest for entry-level positions that meet their individual career goals. Placement in some of the courses in the CTAC may be determined by college assessment tests or prior to completion of prerequisites.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ENTP-105</td>
<td>Entrepreneurship Skills</td>
<td>3</td>
</tr>
<tr>
<td>ENTP-125</td>
<td>Small Business Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>ENTP-135</td>
<td>Business Development and Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 12

Course Key

GEM WICHE AAS Gateway Milestone

Passport Institutionally Designated

Program Outcomes

Upon completion of this program, students will be able to:

- Identify key business skills and knowledge needed to be successful when opening/operating a small business.
- Identify and analyze innovative business opportunities, assessing feasibility/viability of concepts.
- Develop and refine business idea(s) from concept through a complete business plan.
- Develop the ability to pitch a new venture concept to potential customers and investors.
- Launch a business venture of one's own, OR apply concepts gained through the program to foster innovation and growth within an existing company.
Business Management – General Business Core (BTC)
Basic Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management

The Business Management program provides students with an associate of applied science degree to fit educational and professional goals geared towards business leadership and management. The components of the A.A.S. degree consist of three areas: 1) completion of General Business Core, 2) completion of three Basic Technical Certificates for a rich mix of Career and Technical Areas of Competence (CTAC), and 3) completion of the General Education requirements for a total of 60-62 credits.

Successful completion of each of the Basic Technical Certificates will enable students to specialize in specific areas of interest for entry-level positions that meet their individual career goals. Placement in some of the courses in the CTAC may be determined by college assessment tests or prior to completion of prerequisites.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLDR-105</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-211</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes
Upon completion of this program, students will be able to:

- Demonstrate time management techniques.
- Encourage customer loyalty.
- Read and interpret the information contained in a company's financial statement.
- Understand the role and primary goal of different fields of business (production, human resources, marketing, research and development, information systems).
- Become proficient with an entry-level business vocabulary.
Business Management – Human Resource Management (BTC)

Basic Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management

The Business Management program provides students with an associate of applied science degree to fit educational and professional goals geared towards business leadership and management. The components of the A.A.S. degree consist of three areas: 1) completion of General Business Core, 2) completion of three Basic Technical Certificates for a rich mix of Career and Technical Areas of Competence (CTAC), and 3) completion of the General Education requirements for a total of 60-62 credits.

Successful completion of each of the Basic Technical Certificates will enable students to specialize in specific areas of interest for entry-level positions that meet their individual career goals. Placement in some of the courses in the CTAC may be determined by college assessment tests or prior to completion of prerequisites.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLDR-132</td>
<td>Employee Benefits Compensation</td>
<td>3</td>
</tr>
<tr>
<td>BMGT-260</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-265</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>HRA-210</td>
<td>Recruiting, Selection, and Retention</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

Course Key

- **GEM**
- **WICHE**
- **AAS**
- **Passport**
- **Institutionally Designated**
- **Gateway**
- **Milestone**

Program Outcomes

Upon completion of this program, students will be able to:

- Develop the ability to analyze legal issues and increase critical thinking skills.
- Recognize the importance of respecting laws and working within the framework of our existing legal system.

- Analyze compensation plan components.
- Acquire and retain employees who match position requirements and fulfill organizational objectives.
- Discuss HR planning strategies and system implementations.
- Identify and evaluate quality and performance improvement strategies.
- Demonstrate the ability to recognize and identify legal issues in the business environment.
Business Management – Supervision (BTC)

Basic Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management

The Business Management program provides students with an associate of applied science degree to fit educational and professional goals geared towards business leadership and management. The components of the A.A.S. degree consist of three areas: 1) completion of General Business Core, 2) completion of three Basic Technical Certificates for a rich mix of Career and Technical Areas of Competence (CTAC), and 3) completion of the General Education requirements for a total of 60-62 credits.

Successful completion of each of the Basic Technical Certificates will enable students to specialize in specific areas of interest for entry-level positions that meet their individual career goals. Placement in some of the courses in the CTAC may be determined by college assessment tests or prior to completion of prerequisites.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLDR-110</td>
<td>Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>BLDR-122</td>
<td>Leadership</td>
<td>3</td>
</tr>
<tr>
<td>BMGT-256</td>
<td>Problem Solving Through Team Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-234</td>
<td>Ethical Conduct in Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 12

Course Key
- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of this program, students will be able to:

- Analyze the role of a supervisor.
- Examine key supervisory management principles.
- Identify and explain the decision criteria, moral creativity and ethical reasoning in fostering social responsibility in the workplace.
- Demonstrate an understanding of the stakeholders approach to business ethics and ethical reasoning.
Carpentry and Construction Technology (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas: Manufacturing and Trades

The Carpentry and Construction Technology Program provides students with experience to fit educational and professional goals geared towards an entry-level career as a carpenter. This program is an eleven-month program and involves actual jobsite experience constructing the NIC Carpentry Program's Project House. Coursework includes theory and lab focused on residential construction.

Successful completion of each semester or permission of the instructor is required to continue into successive semesters. Students are encouraged to continue their education by completing either the Construction Management A.A.S. career and technical or A.S. transfer degree. Placement in specific English and math courses is determined by the college assessment test. Prospective students who do not meet the initial eligibility requirements will need to take selected courses to receive necessary skill building prior to entering the program.

Contact Information:
Trades & Industry Division
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=12)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARP-141</td>
<td>Introduction to Carpentry and Construction</td>
<td>3</td>
</tr>
<tr>
<td>CARP-142</td>
<td>Safe and Savvy Tool Use</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>6</td>
</tr>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARP-160</td>
<td>Introduction to Residential Print Reading</td>
<td>1</td>
</tr>
<tr>
<td>CARP-161</td>
<td>Jobsite Safety</td>
<td>1</td>
</tr>
<tr>
<td>CARP-162</td>
<td>Residential Building Codes I</td>
<td>1</td>
</tr>
<tr>
<td>CARP-163</td>
<td>Footings and Foundations</td>
<td>1</td>
</tr>
<tr>
<td>CARP-164</td>
<td>Framing Applications</td>
<td>1</td>
</tr>
<tr>
<td>CARP-165L</td>
<td>Residential Construction Lab I</td>
<td>10</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>18-20</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate understanding of geometric/spatial concepts critical to carpentry and construction.
- Apply concepts and knowledge of blueprints, plan drawings, and modeling as related to the construction industry.
- Demonstrate understanding of construction lay-out procedures common to industry.
- Apply knowledge of measuring, tools, building materials, and safety.
- Demonstrate and apply concepts related to basic estimation and scheduling.
- Apply industry accepted work habits and communication on the jobsite.
- Demonstrate knowledge of residential and commercial building concepts related to foundations, walls, flooring, mechanical systems, finish, roofs/trusses, insulation, and siding.
Chemistry (AS)
Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

Chemistry is a science that deals with the composition, structure, and properties of substances and their transformations. A solid math and science background is important preparation for a college chemistry program. Completion of the following courses results in an associate of science degree with an area of emphasis in Chemistry. The required coursework normally fulfills the first half of baccalaureate degree requirements in Chemistry. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=14)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-253</td>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-277</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-278</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM-287</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-288</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH-175</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH-275</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-211</td>
<td>Engineering Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-212</td>
<td>Engineering Physics II</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>70-72</td>
</tr>
</tbody>
</table>

1  This General Education Requirement is met by the Program Requirements.

Program Outcomes

Upon completion of the program, students will be able to:

- Describe basic chemical concepts.
- Demonstrate the ability to solve qualitative and quantitative problems in chemistry.
- Apply the fundamental principles of chemistry to explain the physical and chemical properties of matter.
- Demonstrate competence in laboratory skills, including:
  - lab safety,
  - recording and evaluating data, and
  - the use of balances, glassware, and instrumentation in analyzing chemical samples
- Compose a written or oral report to communicate the results of laboratory experiments.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Child Development (AC)

Academic Certificate

Transfer Program
Interest Areas:
  Soc. Sciences and Human Svcs.

The Academic Certificate in Child Development is designed to prepare students to work in a variety of early care and education settings at a mid-entry level with children from infancy through age eight. The curriculum consists of a core of 21 credit hours directly related to early childhood education. The certificate also allows students to apply earned credits toward an AS in Child Development.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=15)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHD-110</td>
<td>Child Health, Safety and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CHD-134</td>
<td>Infancy Through Middle Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CHD-150</td>
<td>Professional Partnerships - Families, Schools, and Community</td>
<td>3</td>
</tr>
<tr>
<td>CHD-171</td>
<td>Early Childhood Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>CHD-254</td>
<td>Child Guidance Theory</td>
<td>3</td>
</tr>
<tr>
<td>CHD-198</td>
<td>Child Development Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>21</td>
</tr>
</tbody>
</table>

Course Key

GEM  WICHE  AAS  Institutionally Designated  Gateway  Milestone
Child Development (AS)

Associate of Science

Transfer Program
Interest Areas:
  Soc. Sciences and Human Srvs.

The Child Development program provides three options for students wishing to pursue a career working with young children from birth to age 8. Students can complete courses for an associate degree to prepare for transfer to a four-year college or university and entry-level career opportunities. Students who do not intend to transfer or who may be taking courses part-time, may opt to pursue courses for either a 10-credit Academic Certificate in the Child Development Associate (CDA) Credential Preparation program (covers all the coursework for the National CDA Credential) or the 21-credit Academic Certificate in Child Development.

The first Academic Certificate program prepares students to apply for a Child Development Associate Credential, a non-degree national credential. The second Academic Certificate is a state-approved certificate in Child Development and is recognized by both IdahoSTARS Professional Development System and Head Start as a credential when applying for entry-level employment in the field of Child Development. Nine of the 10 credits from the first Academic Certificate apply directly to the 21 credits needed for the second Academic Certificate in Child Development. All 21 of the credits of this Academic Certificate apply to the associate degree in Child Development.

The Child Development associate degree transfer program is designed to meet requirements for students transferring to four-year institutions in Child Development or Early Childhood Education. Students who earn an associate degree in Child Development are qualified to seek career opportunities in early care and education, preschool, Head Start, and teaching in private education programs serving all children and families from birth to age 8. Further study leading to a baccalaureate degree, especially those programs offering the Blended Early Childhood/Early Childhood Special Education component, affords career options in elementary education (K-3), special education, and other child-related fields. An associate degree meets the general core requirements at all Idaho public universities. Course selection should be tailored to match requirements as defined by transfer institutions. To ensure appropriate courses are taken, those students intending to pursue the Blended Early Childhood/Early Childhood Special Education at Idaho transfer institutions should meet with an NIC Child Development advisor upon acceptance in the college.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=15)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Requirements

| CHD-110 | Child Health, Safety and Nutrition | 3 |
| CHD-134 | Infancy Through Middle Childhood | 3 |
| CHD-150 | Professional Partnerships - Families, Schools, and Community | 3 |
| CHD-171 | Early Childhood Curriculum | 3 |
| CHD-198 | Child Development Practicum I | 3 |
| CHD-235 | Observation and Assessment | 3 |
| CHD-243 | Early Childhood Education | 3 |
| CHD-254 | Child Guidance Theory | 3 |
| CHD-298 | Child Development Practicum II | 4 |

Total Credits 60-62

1 This General Education Requirement is partially met by the Program Requirements.

Course Key

- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Apply knowledge of typical and a-typical development in the physical, cognitive, language and psychosocial domains from conception through early childhood.
- Integrate developmentally appropriate strategies, techniques and curriculum which incorporates anti-bias principles through practical application.
- Assess both early childhood physical, social and learning environments and children using research-based assessment tools, plans and implementation for learning and guiding behavior.
- Exhibit knowledge of the cultural factors and roles of the family in young children’s lives through personal, social and community supports and advocacy.
- Apply principles of early childhood professional and ethical standards of behavior in the college classroom and early childhood workplace, with children, families, colleagues and coworkers.
In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Child Development Associate Credential Program (AC)

Academic Certificate

Transfer Program
Interest Areas:
   Soc. Sciences and Human Srvs.

The Child Development Associate (CDA) credential program is intended for individuals preparing to work in early care and education settings who wish to gain further knowledge and expertise in the field. The CDA Credential is the minimum educational standard required for employment in Head Start/Early Head Start and accredited early childhood programs. Ten credits of coursework provides the theoretical and practical framework for establishing appropriate program practices for young children and families.

NIC’s Child Development Associate (CDA) Certificate of Completion verifies that the student has completed the specified 120 hours of required coursework for the CDA Credential. After completing these courses students who are at least 18 years of age, have a high school diploma or equivalent, and with at least 480 documented hours of direct work with young children in an early childhood program, will be ready to apply for their Child Development Associate Credential from the Council for Professional Recognition. Credits earned for college coursework completed while pursuing a Child Development Associate Academic Certificate articulate directly into the NIC Child Development Academic Certificate and the Associate of Science degree.

The Child Development Associate (CDA) Credential is the most widely recognized credential in early childhood education (ECE) and is a key stepping stone on the path of career advancement in ECE. The CDA Credential is based on a core set of competency standards, which guide early care professionals as they work toward becoming qualified teachers of young children.

The Council for Professional Recognition works to ensure that the nationally-transferable CDA is a credible and valid credential, recognized by the early childhood profession as a vital part of professional development. The CDA credential is a recognized professional level of the Idaho Early Childhood Pathway of Professional Development.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=15)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHD-110</td>
<td>Child Health, Safety and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CHD-134</td>
<td>Infancy Through Middle Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CHD-150</td>
<td>Professional Partnerships - Families, Schools, and Community</td>
<td>3</td>
</tr>
</tbody>
</table>
Communication (AA)  
Associate of Arts  
Transfer Program  
Interest Areas:  
Arts, Comm., and Humanities

Communication is a discipline that teaches vital skills for success in today’s society and provides professional preparation in communication fields. Communication provides the link for using all other technical skills and knowledge acquired in one’s lifetime. Few assets are more valuable to career or community than a basic understanding of the dynamics of communication.

Communication is an area of study that is not limited to public speaking. Communication includes the study of how people interact in relationships and groups, as well as public presentation situations. The course of study offered at NIC gives students the opportunity to explore a variety of areas in communication. Completion of the following courses results in an associate degree and normally fulfills the first half of baccalaureate degree requirements in Communication. Course selections should be tailored to match requirements of the intended transfer institution.

Contact Information:  
Communication & Fine Arts Division  
Boswell Hall, Room 144  
Phone: (208) 769-3276  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=17)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education Requirements</td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td>Program Requirements</td>
<td></td>
</tr>
<tr>
<td>COMJ-140</td>
<td>Mass Media in a Free Society ☢️</td>
<td>3</td>
</tr>
<tr>
<td>COMM-209</td>
<td>Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM-233</td>
<td>Interpersonal Communication ☢️</td>
<td>3</td>
</tr>
<tr>
<td>COMM-236</td>
<td>Small Group Communication ☢️</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>2-3</td>
</tr>
<tr>
<td>COMM-103</td>
<td>Oral Interpretation</td>
<td></td>
</tr>
<tr>
<td>COMM-111</td>
<td>Interview Techniques</td>
<td></td>
</tr>
<tr>
<td>COMM-207</td>
<td>Dynamics of Social Media</td>
<td></td>
</tr>
<tr>
<td>COMM-212</td>
<td>Nonverbal Communication</td>
<td></td>
</tr>
</tbody>
</table>

Elective Requirements

Courses 100-level or higher 13-16
Total Credits 60-65

1. This General Education Requirement is partially met by the Program Requirements.
2. This General Education Requirement is met by the Program Requirements.

Recommended Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-103</td>
<td>Oral Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>COMM-111</td>
<td>Interview Techniques</td>
<td>2</td>
</tr>
<tr>
<td>COMM-207</td>
<td>Dynamics of Social Media</td>
<td>3</td>
</tr>
<tr>
<td>COMM-212</td>
<td>Nonverbal Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Passport
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Organize, develop, and deliver audience-centered presentations that clearly articulate their ideas.
- Analyze, construct, and critique arguments grounded in logical reasoning.
- Identify and evaluate how interpersonal and intercultural communication principles influence communication and understand strategies for developing communication competence.
- Identify foundational communication theories.
- Identify the fundamentals of small group communication through experiential learning and critically evaluate his/her own and others' behaviors.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Communication (AC)

Academic Certificate

Transfer Program
Interest Areas:
- Arts, Comm., and Humanities

Communication skills, both verbal and nonverbal, are essential to success, sustainability, and upward progression in the workplace. Beyond the workplace, competence in communication is an integral component of relationships as well as positive local and global community citizenship. Good communication skills are unfailingly ranked as one of the most important attributes sought after by the business community.

This program offers students an opportunity to develop and refine communication skills in a variety of professional and personal contexts which are critical to success in the job market. The flexibility of the communication certificate, as well as the range of classes offered, will allow students to hone their communication abilities in areas specific to their needs and desired career path. Few assets are more valuable to career or community than a basic understanding of the dynamics of communication. This program applies toward the requirements for an associate degree in Communication.

Contact Information:
Communication & Fine Arts Division
Boswell Hall, Room 144
Phone: (208) 769-3276
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=17)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select four of the following:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td></td>
</tr>
<tr>
<td>COMM-103</td>
<td>Oral Interpretation</td>
<td></td>
</tr>
<tr>
<td>COMM-111</td>
<td>Interview Techniques</td>
<td></td>
</tr>
<tr>
<td>COMM-207</td>
<td>Dynamics of Social Media</td>
<td></td>
</tr>
<tr>
<td>COMM-209</td>
<td>Argumentation</td>
<td></td>
</tr>
<tr>
<td>COMM-212</td>
<td>Nonverbal Communication</td>
<td></td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>COMM-233</td>
<td>Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>COMM-236</td>
<td>Small Group Communication</td>
<td></td>
</tr>
<tr>
<td>COMJ-140</td>
<td>Mass Media in a Free Society</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 12

Course Key
- GEM
- WICHE
- Passport
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Identify and explain foundational communication theories and processes.
- Select, demonstrate, and adapt appropriate forms of verbal, nonverbal, and mediated expression that support and enhance the meaning of messages across a variety of contexts.
- Monitor and present oneself to others across a variety of contexts.
Computer Aided Design Technology–
Architectural Design Option (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
- Arts, Comm., and Humanities
- Manufacturing and Trades

The Computer Aided Design Technology Architectural program is designed to prepare students for employment as entry-level drafter/designer professionals in architectural related industries. All areas of CAD design will be covered for residential and commercial buildings, including mechanical systems, electrical and plumbing systems, walls, floors, roofs, stairs, ceilings, elevations, details, site plans and layout plan views.

Students have the option of a one-year Computer Aided Design Architectural Intermediate Technical Certificate, or an A.S. Degree in Construction Management. Successful completion of each semester or permission of the instructor is required to continue into successive semesters.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=18)

Program Outcomes
Upon completion of the program, students will be able to:
- Identify and use various CAD software programs used in industry to produce CAD drawings.
- Demonstrate knowledge of drafting conventions by using computer-aided design software efficiently to complete the drawing setup process.
- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in the drafting industry.
- Identify the various construction drawing sheets used for print reading (i.e. Architecture, Civil, Structural, Mechanical, Electrical, Plumbing, HVAC).
- Use construction math and its applications.
- Use various methods of measurement utilized through dimensioning techniques.
- Identify and give examples of various methods of construction practices.
- Describe the role and purpose of standard building codes.
- Use a computer-aided design software program to produce 3D parametric residential and commercial building models.
- Analyze the structural, mechanical, plumbing, and electrical components for a 3D parametric commercial building.
- Illustrate the construction process from the transformation of an idea or need into a completed set of construction documents.
- Communicate effectively, in both written and oral forms, to varied audiences to serve divers purposes as part of their studies at NIC and beyond.

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CADT-141</td>
<td>Introduction to CAD Technology</td>
<td>3</td>
</tr>
<tr>
<td>CADT-142</td>
<td>Introduction to 3D Residential Design</td>
<td>3</td>
</tr>
<tr>
<td>CADT-143</td>
<td>Introduction to 3D Commercial Design</td>
<td>3</td>
</tr>
<tr>
<td>CARP-160</td>
<td>Introduction to Residential Print Reading</td>
<td>1</td>
</tr>
<tr>
<td>CARP-161</td>
<td>Jobsite Safety</td>
<td>1</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-105</td>
<td>Technical Mathematics for Machining and Computer Aided Design Technologies</td>
<td></td>
</tr>
</tbody>
</table>

GEM 3 - A.A.S. Mathematical Ways of Knowing

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>CADT-151</td>
<td>Advanced 3D Residential Design</td>
<td>3</td>
</tr>
<tr>
<td>CADT-152</td>
<td>Advanced 3D Commercial Design</td>
<td>3</td>
</tr>
<tr>
<td>CADT-153</td>
<td>Commercial Building Design Integration</td>
<td>3</td>
</tr>
<tr>
<td>CARP-166</td>
<td>Building Science</td>
<td>2</td>
</tr>
<tr>
<td>ECTE-100 or ENGL-101</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>14-16</th>
</tr>
</thead>
</table>

**Total Credits**
30-32
Computer Applications (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:
Business Admin. and Management

The Computer Applications certificate program provides comprehensive training in the latest Microsoft Office software. This certificate is designed for anyone who desires to work with computers and/or advance their computer software skills. The coursework prepares students for Microsoft Office Specialist (MOS) industry certification testing. Students are strongly encouraged to pursue MOS (Microsoft Office Specialist) Certification as part of this program.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=19)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select eight credits from the following:</td>
<td>8</td>
</tr>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td></td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td></td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td></td>
</tr>
<tr>
<td>CAOT-122</td>
<td>Word Processing/Word III</td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td></td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td></td>
</tr>
<tr>
<td>CAOT-132</td>
<td>Spreadsheets/Excel III</td>
<td></td>
</tr>
<tr>
<td>CAOT-140</td>
<td>Database/Access I</td>
<td></td>
</tr>
<tr>
<td>CAOT-150</td>
<td>PowerPoint</td>
<td></td>
</tr>
<tr>
<td>CAOT-164</td>
<td>Computer Fundamentals for Technical Programs</td>
<td></td>
</tr>
<tr>
<td>CAOT-166</td>
<td>Living Online for Technical Programs</td>
<td></td>
</tr>
<tr>
<td>CAOT-250</td>
<td>Office Skills Capstone</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>8</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Use a variety of computer applications to produce multiple documents required in a variety of office settings.
- Conduct internet searches to locate business information; analyze and evaluate its useful in given business scenarios.
Computer Information Technology (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:
Business Admin. and Management

The Computer Information Technology (CITE) program prepares students for careers in information technology by offering a one-year intermediate technical certificate, a two-year advanced technical certificate, and an associate of applied science degree. The A.A.S. degree in CITE is a two-year program that will prepare students for working with sophisticated networking hardware and operating system software and will lead to industry recognized certifications. It also includes all related coursework to complete A.A.S. degree requirements.

The CITE one-year intermediate technical certificate teaches the foundation of information technology job skills and the two-year advanced technical certificate includes all the technical coursework of the A.A.S. degree, but with reduced general education requirements.

The CITE program is designed to provide students with essential skills to plan, implement, administer, support, and secure networked computer systems and associated users, as well as install and configure routers and switches in multiprotocol internetworks using LAN and WAN interfaces. North Idaho College operates a Cisco Networking Academy. NIC is a Microsoft IT Academy member institution and maintains academic partnerships with industry leaders such as CompTIA and VMware.

Continued advances in network technology have created an increased need for professionals trained in the information technology field. Students will gain essential technical instruction that enables them to perform tasks such as network design, installation, maintenance, and management as well as fill network administration and systems administration job roles.

This is a selective enrollment program. Successful completion of the each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in third and fourth semester courses.

Contact the Career-Technical Programs advisor for the information on selective enrollment criteria.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=20)

Program Requirements

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITE-116</td>
<td>Desktop Operating System Support</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level computer information technology positions.
- Work with sophisticated networking hardware and operating system software, leading to industry-recognized certifications.
- Use essential skills to plan, implement, administer, support, and secure network computer systems and associated users.
- Install and configure routers and switches in multiprotocol internetworks using LAN and WAN interfaces.
- Complete network design, installation, maintenance, and management as well as fill network administration and systems administration job duties.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an
additional program-designated or selected course from any of the GEM requirements.
The Computer Information Technology (CITE) program prepares students for careers in information technology by offering a one-year intermediate technical certificate, a two-year advanced technical certificate, and an associate of applied science degree. The A.A.S. degree in CITE is a two-year program that will prepare students for working with sophisticated networking hardware and operating system software and will lead to industry recognized certifications. It also includes all related coursework to complete A.A.S. degree requirements.

The CITE one-year intermediate technical certificate teaches the foundation of information technology job skills and the two-year advanced technical certificate includes all the technical coursework of the A.A.S. degree, but with reduced general education requirements.

The CITE program is designed to provide students with essential skills to plan, implement, administer, support, and secure networked computer systems and associated users, as well as install and configure routers and switches in multiprotocol internetworks using LAN and WAN interfaces. North Idaho College operates a Cisco Networking Academy. NIC is a Microsoft IT Academy member institution and maintains academic partnerships with industry leaders such as CompTIA and VMware.

Continued advances in network technology have created an increased need for professionals trained in the information technology field. Students will gain essential technical instruction that enables them to perform tasks such as network design, installation, maintenance, and management as well as fill network administration and systems administration job roles.

This is a selective enrollment program. Successful completion of the each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in third and fourth semester courses.

Contact the Career-Technical Programs advisor for the information on selective enrollment criteria.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=20)

Program Outcomes
Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level computer information technology positions.
- Work with sophisticated networking hardware and operating system software, leading to industry-recognized certifications.
- Use essential skills to plan, implement, administer, support, and secure network computer systems and associated users.
- Install and configure routers and switches in multiprotocol internetworks using LAN and WAN interfaces.
- Complete network design, installation, maintenance, and management as well as fill network administration and systems administration job duties.

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-116</td>
<td>Desktop Operating System Support</td>
<td>3</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-104</td>
<td>Systems Administration I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-105</td>
<td>Systems Administration I Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-121</td>
<td>Network Support I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-122</td>
<td>Network Support I Projects</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-206</td>
<td>Systems Administration II</td>
<td>3</td>
</tr>
<tr>
<td>CITE-207</td>
<td>Systems Administration II Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-213</td>
<td>Network Support II</td>
<td>3</td>
</tr>
<tr>
<td>CITE-215</td>
<td>Network Support II Projects</td>
<td>3</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-208</td>
<td>Systems Administration III</td>
<td>3</td>
</tr>
<tr>
<td>CITE-209</td>
<td>Systems Administration III Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-217</td>
<td>Network Support III</td>
<td>3</td>
</tr>
<tr>
<td>CITE-219</td>
<td>Network Support III Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-295</td>
<td>Computer Information Technology Internship or ATEC-117 Occupational Relations and Job Search</td>
<td>2-4</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>14-16</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>56-60</td>
</tr>
</tbody>
</table>

Course Key
- GEM
- WICHE Passport
- AAS Institutionally Designated
- Gateway
- Milestone
Computer Information Technology (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management

The Computer Information Technology (CITE) program prepares students for careers in information technology by offering a one-year intermediate technical certificate, a two-year advanced technical certificate, and an associate of applied science degree. The A.A.S. degree in CITE is a two-year program that will prepare students for working with sophisticated networking hardware and operating system software and will lead to industry recognized certifications. It also includes all related coursework to complete A.A.S. degree requirements.

The CITE one-year intermediate technical certificate teaches the foundation of information technology job skills and the two-year advanced technical certificate includes all the technical coursework of the A.A.S. degree, but with reduced general education requirements.

The CITE program is designed to provide students with essential skills to plan, implement, administer, support, and secure networked computer systems and associated users, as well as install and configure routers and switches in multiprotocol internetworks using LAN and WAN interfaces. North Idaho College operates a Cisco Networking Academy. NIC is a Microsoft IT Academy member institution and maintains academic partnerships with industry leaders such as CompTIA and VMware.

Continued advances in network technology have created an increased need for professionals trained in the information technology field. Students will gain essential technical instruction that enables them to perform tasks such as network design, installation, maintenance, and management as well as fill network administration and systems administration job roles.

This is a selective enrollment program. Successful completion of the each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in third and fourth semester courses.

Contact the Career-Technical Programs advisor for the information on selective enrollment criteria.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=20)

Program Outcomes
Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level computer information technology positions.
- Work with sophisticated networking hardware and operating system software, leading to industry-recognized certifications.
- Use essential skills to plan, implement, administer, support, and secure network computer systems and associated users.

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-116</td>
<td>Desktop Operating System Support</td>
<td>3</td>
</tr>
</tbody>
</table>

| Semester 2 | | |
| CITE-104 | Systems Administration I | 3 |
| CITE-105 | Systems Administration I Projects | 3 |
| CITE-121 | Network Support I | 3 |
| CITE-122 | Network Support I Projects | 3 |
| COMM-101 | Fundamentals of Oral Communication | 3 |
| | | 15 |

Total Credits: 30-32
Computer Science (AS)  
Associate of Science

Transfer Program
Interest Areas:  
Science, Tech., Engr. and Math

This program leads to career opportunities in a wide variety of computer science areas such as operating systems, expert systems, graphics, databases, software engineering, compilers, numerical analysis, etc. This program requires strong math skills.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested coursework normally fulfills the first half of a baccalaureate degree requirements in Computer Science. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:  
Math, Computer Science and Engineering Division  
Seiter Hall, Room 214  
Phone: (208) 665-4521  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=21)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>4</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

CS-150   | Computer Science I                   | 4       |
CS-151   | Computer Science II                  | 4       |
CS-155   | Computer Organization and Assembly Language | 3   |
CS-210   | Programming Languages                | 3       |
CS-241   | Computer Operating Systems           | 3       |
CS-270   | System Software                      | 3       |
MATH-170 | Calculus I                            | 4       |
MATH-175 | Analytic Geometry and Calculus II    | 4       |
MATH-187 | Discrete Mathematics                 | 4       |
Select one of the following:  
BIOL-115 | Introduction to Life Sciences       | 4-5     |
ZOOLO-202 | General Zoology                      |
CHEM-111 | General Chemistry I                  |
PHYS-211 | Engineering Physics I                |

Total Credits 65-68

1 This General Education Requirement is met by the Program Requirements.
2 This General Education Requirement is partially met by the Program Requirements.

Course Key  
GEM WICHE AAS Gateway Milestone

Program Outcomes

Upon completion of the program, students will be able to:

• Demonstrate the ability to use current techniques, skills, and tools necessary for computing practice.
• Demonstrate the ability to analyze the local and global impact of computing on individuals, organizations, and society.
• Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
• Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
• Apply knowledge of computing and mathematics appropriate to the discipline.
• Analyze a problem, and identify and define the computing requirements appropriate to its solution.
• Communicate effectively with a range of audiences and function effectively on a team to accomplish a common goal.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Construction Management (AAS)  
Associate of Applied Science

Career-Technical Program
Interest Areas:  
- Manufacturing and Trades

This program provides students with an Associate of Applied Science Degree to fit educational and professional goals geared toward construction management and developing small business entrepreneurship skills. Successful completion of the Carpentry and Construction Intermediate Technical Certificate is required in order to be considered for the Construction Management A.A.S. degree program. Coursework includes theory focused on residential and commercial construction management, small business entrepreneurship skills, and general education requirements.

Successful completion of each semester or permission of the instructor is required to continue into successive semesters. Placement in specific English and math courses is determined by the college assessment test. Prospective students who do not meet the initial eligibility requirements will need to take selected courses to receive necessary skill building prior to entering the program.

Contact Information:  
Trades & Industry Division  
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=13)

Program Requirements

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUMMER</td>
<td>CARP-141</td>
<td>Introduction to Carpentry and Construction</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CARP-160</td>
<td>Jobsite Safety</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CARP-161</td>
<td>Residential Building Codes I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CARP-162</td>
<td>Residential Building Codes II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CARP-163</td>
<td>Footings and Foundations</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CARP-164</td>
<td>Framing Applications</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CARP-165L</td>
<td>Residential Construction Lab I</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Credits</td>
<td>18-20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARP-142</td>
<td>Safe and Savvy Tool Use</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARP-166</td>
<td>Building Science</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CARP-167</td>
<td>Residential Building Codes II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CARP-168</td>
<td>Exterior Finish Carpentry</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CARP-169</td>
<td>Interior Finish Carpentry</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CARP-170L</td>
<td>Residential Construction Lab II</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMGT-210</td>
<td>Construction Materials and Methods</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CMGT-220</td>
<td>Introduction to Construction Management</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Course Key  
- GEM Passport  
- WICHE Institutionally Designated  
- AAS Gateway  
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate understanding of geometric/spatial concepts critical to carpentry and construction.
- Apply concepts and knowledge of blueprints, plans drawings, and modeling as related to the construction industry.
- Demonstrate understanding of construction lay-out procedures common to industry.
- Apply knowledge of measuring, tools, building materials, and safety.
- Demonstrate and apply concepts related to basic estimation and scheduling.
- Apply industry accepted work habits and communication on the jobsite.
- Demonstrate knowledge of residential and commercial building concepts related to foundations, walls, flooring, mechanical systems, finish, roofs/trusses, insulation, and siding.
- Demonstrate the ability to make cost and materials estimates by performing “take-offs” from a variety of plans, drawings, and blueprints.
- Demonstrate and apply concepts related to the newest construction materials and application techniques.
- Demonstrate written and oral communication skills required of supervisors and contractors in the construction industry, including, but not limited to, project bids, cost estimates, supervision of personnel, presentations, business letters and reports.
- Recognize, interpret and apply advanced blueprint reading skills to residential building sites.
- Apply advanced skills in carpentry techniques, finish work, basic cabinet making and installation, and other carpentry specialties.
- Master and demonstrate the ability to accurately measure and figure using tapes and other measuring tools of the carpentry trade.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an
additional program-designated or selected course from any of the GEM requirements.
Criminal Justice (AA)
Associate of Arts

Transfer Program
Interest Areas:
   Soc. Sciences and Human Svrs.

The Criminal Justice program provides an overview of the criminal justice system, including law enforcement, the court system, criminal law, corrections, police-community relations, ethics, probation, and parole, learning the fundamentals of research design and analysis. This program serves those who might find an entry level position with an associate’s degree and fulfills the first two years of a program for students interested in pursuing a career in the criminal justice field where earning a Bachelor’s or higher degree is either an advantage or required. Positions available to graduates of a criminal justice program may be found in the areas of local, state, and federal law enforcement agencies, various other governmental agencies, corrections, probation, and parole systems, private security agencies, advocacy, careers dealing with policy and planning, and insurance companies.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested coursework normally fulfills the first half of baccalaureate degree requirements in Criminal Justice. Course selections should be tailored to match requirements of the intended transfer institution.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=22)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ-103</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ-202</td>
<td>Corrections in America</td>
<td>3</td>
</tr>
<tr>
<td>CJ-205</td>
<td>Criminal Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CJ-245</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>or SOC-102 Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

Elective Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

Courses 100-level or higher

Total Credits

1  This General Education Requirement is met by the Program Requirements.

Recommended Elective Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-211</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-220</td>
<td>Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC-251</td>
<td>Race and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLS-275</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Key

GEM

WICHE

AAS

Passport

Institutionally Designated

Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Effectively delineate and explain the major organizations of the American Criminal Justice System, particularly the roles and responsibilities of each.
- Exhibit comprehension of the various theoretical models that have been developed to explain both individual and group criminal behavior.
- Identify and apply major discipline specific concepts, procedures, and practices.
- Locate, manage and use legal, technological and other professional resources in the criminal justice field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Culinary Arts (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
  Business Admin. and Management

The Culinary Arts program provides students with entry-level skills in the food service industry. Students receive instruction in cooking and baking, as well as theoretical knowledge that underlines competency in the field. Additional training involves table service, menus, cost controls, storeroom, entrepreneurship, marketing, supervision/management, and stewarding. Students will have the opportunity to:

- Learn and effectively practice basic and advanced technical skills in food preparation and service.
- Understand the principles of food identification, nutrition, and food and beverage composition.
- Gain experience in the proper use and maintenance of professional food service equipment.
- Become familiar with the layout and workflow of professional kitchens and bakeshops.
- Gain an appreciation for the history, evolution, and international diversity of the culinary arts.
- Develop a sense of professionalism necessary for working successfully in the food service industry.

Students get real-world experience in the kitchen, dining room, and deli operating Emery’s Restaurant located on the second floor of the Hedlund Building as well as operating the Beachside Bistro during summer months.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=23)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CULA-111</td>
<td>Food Safety and Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>CULA-120</td>
<td>Professional Kitchen I</td>
<td>2</td>
</tr>
<tr>
<td>CULA-120L</td>
<td>Professional Kitchen Lab I</td>
<td>4</td>
</tr>
<tr>
<td>CULA-123</td>
<td>Food Science</td>
<td>2</td>
</tr>
<tr>
<td>CULA-165</td>
<td>Introduction to Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>CULA-165L</td>
<td>Introduction to Customer Service Lab</td>
<td>0</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>17-19</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CULA-121</td>
<td>Professional Kitchen 2</td>
<td>4</td>
</tr>
<tr>
<td>CULA-121L</td>
<td>Professional Kitchen Lab 2</td>
<td>4</td>
</tr>
<tr>
<td>CULA-130</td>
<td>Menu Planning and Procurement</td>
<td>2</td>
</tr>
<tr>
<td>CULA-166</td>
<td>Restaurant Customer Service Operations</td>
<td>3</td>
</tr>
<tr>
<td>CULA-166L</td>
<td>Restaurant Customer Service Operations Lab</td>
<td>0</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>19</td>
<td></td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CULA-222</td>
<td>Professional Kitchen 3</td>
<td>2</td>
</tr>
<tr>
<td>CULA-222L</td>
<td>Professional Kitchen Lab 3</td>
<td>3</td>
</tr>
<tr>
<td>CULA-266</td>
<td>Restaurant Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>CULA-267</td>
<td>Purchasing/Cost Controls</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CULA-211</td>
<td>Culinary Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>CULA-223</td>
<td>Professional Kitchen 4</td>
<td>2</td>
</tr>
<tr>
<td>CULA-223L</td>
<td>Professional Kitchen Lab 4</td>
<td>3</td>
</tr>
<tr>
<td>CULA-265</td>
<td>Restaurant Supervision</td>
<td>2</td>
</tr>
<tr>
<td>CULA-268</td>
<td>Introduction to Wine, Beer and Spirits</td>
<td>2</td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Key</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM</td>
<td>WICHE</td>
<td>AAS</td>
<td>Passport</td>
<td>Institutionally Designated</td>
<td></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Apply fundamentals and advanced skills in charcuterie, curing, classical sauce, soups and stocks, farinaceous foods, classical cookery techniques in international cuisine, American regional cuisines, define product specifications, and food and beverage service.
- Plan, prepare, and cooks foods ala carte and buffet style consistently in a visually appealing manner while maintaining taste, nutritive value, flavor, and texture in classical and contemporary cooking methods.
- Correctly prepare a variety a classical breads, artisan breads, classical pastry items, and desserts with the ability to correctly evaluate finished products for proper texture, color, palatability, shape, and doneness.
- Demonstrate knowledge of laws, rules, regulations, and procedures governing food and beverage operations.
- Analyze food cost and implement necessary controls to maintain costs and ensure profitability within a food service operation.
- Demonstrate a general business knowledge and skills base necessary to compete in the business world including familiarity with management principles concepts and styles; marketing, public and customer relations; supervisory skills and entrepreneurial skills.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Culinary Arts (ATC)
Advanced Technical Certificate

Career-Technical Program
Interest Areas: Business Admin. and Management

The Culinary Arts program provides students with entry-level skills in the food service industry. Students receive instruction in cooking and baking, as well as theoretical knowledge that underlines competency in the field. Additional training involves table service, menus, cost controls, storeroom, entrepreneurship, marketing, supervision/management, and stewarding. Students will have the opportunity to:

- Learn and effectively practice basic and advanced technical skills in food preparation and service.
- Understand the principles of food identification, nutrition, and food and beverage composition.
- Gain experience in the proper use and maintenance of professional food service equipment.
- Become familiar with the layout and workflow of professional kitchens and bakeshops.
- Gain an appreciation for the history, evolution, and international diversity of the culinary arts.
- Develop a sense of professionalism necessary for working successfully in the food service industry.

Students get real-world experience in the kitchen, dining room, and deli operating Emery’s Restaurant located on the second floor of the Hedlund Building as well as operating the Beachside Bistro during summer months.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=23)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CULA-111</td>
<td>Food Safety and Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>CULA-120</td>
<td>Professional Kitchen I</td>
<td>2</td>
</tr>
<tr>
<td>CULA-120L</td>
<td>Professional Kitchen Lab I</td>
<td>4</td>
</tr>
<tr>
<td>CULA-123</td>
<td>Food Science</td>
<td>2</td>
</tr>
<tr>
<td>CULA-165</td>
<td>Introduction to Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>CULA-165L</td>
<td>Introduction to Customer Service Lab</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3-5</td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>17-19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CULA-121</td>
<td>Professional Kitchen 2</td>
<td>4</td>
</tr>
<tr>
<td>CULA-121L</td>
<td>Professional Kitchen Lab 2</td>
<td>4</td>
</tr>
<tr>
<td>CULA-130</td>
<td>Menu Planning and Procurement</td>
<td>2</td>
</tr>
<tr>
<td>CULA-166</td>
<td>Restaurant Customer Service Operations</td>
<td>3</td>
</tr>
<tr>
<td>CULA-166L</td>
<td>Restaurant Customer Service Operations Lab</td>
<td>0</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- NICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of this program, students will be able to:

- Apply fundamentals and advanced skills to charcuterie, curing, classical sauce, soups and stocks, farinaceous foods, classical cookery techniques in international cuisine, American regional cuisines, define product specifications, and food and beverage service.
- Plan, prepare, and cook foods ala carte and buffet style consistently in a visually appealing manner while maintaining taste, nutritive value, flavor, and texture in classical and contemporary cooking methods.
- Correctly prepare a variety of classical breads, artisan breads, classical pastry items, and desserts with the ability to correctly evaluate finished products for proper texture, color, palatability, shape, and doneness.
- Demonstrate knowledge of laws, rules, regulations, and procedures governing food and beverage operations.
- Analyze food cost and implement necessary controls to maintain costs and ensure profitability within a food service operation.
- Demonstrate a general business knowledge and skills base necessary to compete in the business world including familiarity with management principles concepts and styles; marketing, public and customer relations; supervisory skills and entrepreneurial skills.
Culinary Arts (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
Business Admin. and Management

The Culinary Arts program provides students with entry-level skills in the food service industry. Students receive instruction in cooking and baking, as well as theoretical knowledge that underlines competency in the field. Additional training involves table service, menus, cost controls, storeroom, and stewarding. Students will have the opportunity to:

- Learn and effectively practice basic and advanced technical skills in food preparation and service.
- Understand the principles of food identification, nutrition, and food and beverage composition.
- Gain experience in the proper use and maintenance of professional food service equipment.
- Become familiar with the layout and workflow of professional kitchens and bakeshops.
- Gain an appreciation for the history, evolution, and international diversity of the culinary arts.
- Develop a sense of professionalism necessary for working successfully in the food service industry.

Students get real-world experience in the kitchen, dining room, and deli operating Emery’s Restaurant located on the second floor of the Hedlund Building.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=23)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CULA-111</td>
<td>Food Safety and Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>CULA-120</td>
<td>Professional Kitchen I</td>
<td>2</td>
</tr>
<tr>
<td>CULA-120L</td>
<td>Professional Kitchen Lab I</td>
<td>4</td>
</tr>
<tr>
<td>CULA-123</td>
<td>Food Science</td>
<td>2</td>
</tr>
<tr>
<td>CULA-165</td>
<td>Introduction to Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>CULA-165L</td>
<td>Introduction to Customer Service Lab</td>
<td>0</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17-19</td>
</tr>
</tbody>
</table>

| Semester 2 |                                               |         |
| CULA-121   | Professional Kitchen 2                        | 4       |
| CULA-121L  | Professional Kitchen Lab 2                    | 4       |
| CULA-130   | Menu Planning and Procurement                 | 2       |
| CULA-166   | Restaurant Customer Service Operations        | 3       |
| CULA-166L  | Restaurant Customer Service Operations Lab    | 0       |
| COMM-101   | Fundamentals of Oral Communication or Careers in Hospitality | 3   |

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in the culinary arts industry.
- Effectively practice basic and advanced technical skills in food preparation and service.
- Understand the principles of food identification, nutrition, and food and beverage composition.
- Properly use and maintain professional food service equipment.
- Be familiar with the layout and workflow of professional kitchens and bakeshops.
- Gain an appreciation for the history, evolution, and international diversity of the culinary arts.
- Develop a sense of professionalism necessary for working successfully in the food service industry.
Cybersecurity and Networking (BTC)

Brown Technical Certificate
Career-Technical Program
Interest Areas:
Business Admin. and Management

The Cybersecurity and Networking Basic Technical Certificate will teach students proficiency in basic personal computer and small network implementation. It will provide students with knowledge that will allow them to work with computer networks and build their basic cybersecurity skills. Jobs appropriate for this certification include, but are not limited to, cabling technician, computer network support specialist, customer service and technical support, and computer user support. This certificate prepares students for industry-recognized certification exams. Students can also apply credits towards a Network Security Administration or Computer Information Technology Associate of Applied Science Degree.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-118</td>
<td>Computer Information Technology Essentials</td>
<td>2</td>
</tr>
<tr>
<td>CITE-140</td>
<td>Introduction to Cybersecurity</td>
<td>3</td>
</tr>
<tr>
<td>CITE-145</td>
<td>Cybersecurity Law Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CITE-152</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>11</strong></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-121</td>
<td>Network Support I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-122</td>
<td>Network Support I Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-142</td>
<td>Information Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Course Key
- GEM
- WICHE
- AAS
- Gateway
- Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Use a packet sniffer to capture traffic on a network.
- Determine the factors involved in developing a secure information security strategy.
- Describe the basics of cryptography.
- Differentiate between physical security, disaster recovery, and business continuity.
- Demonstrate appropriate and ethical behavior and good work habits.
- Describe devices and services used to support communications and data networks and the Internet.
- Evaluate various network devices and media and how best to secure them.
- Analyze captured network/application traffic.
- Describe why information security is essential in today's IT environment.
- Describe common security threats and their ramifications.
Dental Hygiene (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
Healthcare

The Dental Hygiene program prepares students for entry into the dental hygiene profession as licensed clinicians (Registered Dental Hygienist-RDH). Dental Hygienists provide preventive, therapeutic, restorative, and procedures to control oral disease and promote optimal oral health. The Dental Hygiene program includes instruction in dental anatomy, microbiology, and pathology; dental hygiene theory and techniques; dental materials; radiology; patient education and counseling; and office management and professional standards. Clinical education experiences are integrated throughout the curriculum and offer students the opportunity to gain competency through practice each semester.

Upon completion of this program, graduates will be eligible to take the National Dental Hygiene Board Examination (NBDHE), and the regional and/or state clinical and local anesthesia examinations. Applicants are encouraged to contact the State Board of Dentistry in the states in which they wish to practice for individual licensing requirements.

Dental Hygiene is a competitive entry program. Students are admitted to the program every other year. The prerequisite course requirements are open to all students. The AAS degree may be obtained in a 24-month course of study following acceptance to the program. A minimum grade point average of B or 3.0 is required in all DENT courses, which includes BIOL-207 and PHAR-150.

Contact Information:
Health Professions Division
Meyer Health and Sciences Building, Room 257
Phone: (208) 676-7132
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=101)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL-227</td>
<td>Human Anatomy and Physiology 1</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-102</td>
<td>Essentials of Organic and Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DENT-100</td>
<td>Dental Hygiene Pre-Clinic</td>
<td>3</td>
</tr>
<tr>
<td>DENT-110</td>
<td>Head, Neck, Oral, and Dental Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>DENT-115</td>
<td>Oral Health Education</td>
<td>2</td>
</tr>
<tr>
<td>DENT-120</td>
<td>Oral Radiography</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DENT-125</td>
<td>Embryology, Histology, and Morphology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DENT-130</td>
<td>Periodontology I</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DENT-150</td>
<td>Dental Hygiene Clinic I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DENT-151</td>
<td>Dental Hygiene Theory I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHAR-150</td>
<td>Introduction to Pharmacology</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DENT-200</td>
<td>Dental Hygiene Clinic II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>DENT-201</td>
<td>Dental Hygiene Theory II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>DENT-215</td>
<td>Oral Pathology/Immunology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DENT-230</td>
<td>Periodontology II</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DENT-235</td>
<td>Pain Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BIOL-207</td>
<td>Concepts in Human Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DENT-240</td>
<td>Community Dental Health</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DENT-245</td>
<td>Advanced Instrumentation</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>DENT-250</td>
<td>Dental Hygiene Clinic III</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>DENT-260</td>
<td>Dental Materials</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DENT-270</td>
<td>Dental Hygiene Review/Ethics and Law</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Credits</th>
<th>80-82</th>
</tr>
</thead>
</table>

Course Key
- GEM
- WICHE
- AAS
- Gateway
- Milestone

Program Outcomes
Upon completion of the program, students will be able to:

- Apply principles of ethical reasoning, decision-making and professional responsibility in the provision and support of evidence-based oral health care services, research, patient care and practice management.
- Demonstrate critical thinking, problem solving and self-evaluation in the provision of comprehensive care, patient management strategies, and professional competence development.
- Plan educational strategies and clinical services for individuals with periodontal diseases using appropriate interpersonal communication, comprehensive data collection, and knowledge of periodontal conditions and therapies.
- Access, critically appraise, apply and communicate evidence-based practices for all periodontal classifications within diverse patient populations.
- Demonstrate interpersonal communication and collaborative skills to effectively interact with diverse population groups, health care providers, dental professionals, and community groups.
- Apply refined instrumentation skills for periodontal, restorative and therapeutic interventions for individuals at all stages of life.
- Apply behavioral sciences and patient centered approaches to promote, improve and maintain oral health.
- Use assessment, planning, implementation and evaluation for the provision of dental hygiene services and disease.
prevention strategies within diverse, multicultural and special needs populations, and community groups.

- Demonstrate use of mathematical and statistical concepts in the application of clinical and preventative dental care strategies.
- Use appropriate library and information resources to research professional issues, develop community health program planning and to support lifelong learning.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Diesel Technology (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
Manufacturing and Trades

This program is designed to prepare students for employment as entry-level truck/heavy equipment technicians. The Diesel Technology program emphasizes extensive shop work using actual customer projects, as well as mock-up units and assemblies similar to those found in industry. Instruction includes theory and troubleshooting of problems involved in the repair and maintenance of engines, transmissions, differentials, brakes, steering, suspension, cooling, as well as hydraulics, undercarriages, fuel and air systems, and introduction to vehicle/equipment operation. Integrated in the program is a course in safety and basic welding procedures. Successful completion of each semester or permission of the instructor is required to continue into the next semester. Placement in specific English and math courses is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor’s permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=24)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSLT-104</td>
<td>Safety and Introduction to Shop Practices</td>
<td>2</td>
</tr>
<tr>
<td>DSLT-123L</td>
<td>Diesel Engines/Electrical Systems Lab</td>
<td>6</td>
</tr>
<tr>
<td>DSLT-125</td>
<td>Diesel Engines</td>
<td>2</td>
</tr>
<tr>
<td>DSLT-126</td>
<td>Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSLT-133</td>
<td>Introduction to Electrical</td>
<td>1</td>
</tr>
<tr>
<td>GEM 3</td>
<td>A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17-19</td>
</tr>
</tbody>
</table>

| Semester 2 |                                                   |         |
| DSLT-124   | Powertrain/Brake Systems                           | 5       |
| DSLT-124L  | Powertrain/Brake Systems Lab                       | 6       |
| ENGL-101   | Writing and Rhetoric I                            | 3       |
| Credits    |                                                   | 14      |

| Summer 1   |                                                   |         |
| DSLT-117L  | Diesel Lab                                       | 2       |
| DSLT-137   | Suspension/Steering and A/C                       | 2       |
| Credits    |                                                   | 4       |

| Semester 3 |                                                   |         |
| COMM-101   | Fundamentals of Oral Communication                | 3       |
| DSLT-223   | Advanced Tune-Up/Computerized Engines             | 4       |
| DSLT-223L  | Advanced Tune-Up/Computerized Engines Lab         | 6       |
| GEM 6      | A.A.S. Social and Behavioral Ways of Knowing      | 3       |
| Credits    |                                                   | 16      |

Program Outcomes

Upon completion of the program, students will be able to:

- Explain proper safety procedures in regard to overall shop safety practices with emphasis on equipment and maintenance/repair of diesel components.
- Troubleshoot, repair, and rebuild a diesel engine.
- Understand and apply electrical principles as they relate to starting and charging.
- Recognize, troubleshoot and repair powertrain systems including transmissions, differentials, brake systems and drive trains.
- Demonstrate good work habits, communication practices and computation skills when performing both technical and general functions required of a diesel technician.
- Troubleshoot, repair, and rebuild a variety of diesel engines and their respective systems commonly found in the industry.
- Understand and apply electrical principles as they relate to starting, charging and electronic systems.
- Explain and apply hydraulic concepts, formulas and repair procedures to a variety of diesel vehicles found in the industry.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Diesel Technology (ATC)

Advanced Technical Certificate

Career-Technical Program
Interest Areas:
  Manufacturing and Trades

This program is designed to prepare students for employment as entry-level truck/heavy equipment technicians. The Diesel Technology program emphasizes extensive shop work using actual customer projects, as well as mock-up units and assemblies similar to those found in industry. Instruction includes theory and troubleshooting of problems involved in the repair and maintenance of engines, transmissions, differentials, brakes, steering, suspension, cooling, as well as hydraulics, undercarriages, fuel and air systems, and introduction to vehicle/equipment operation. Integrated in the program is a course in safety and basic welding procedures. Successful completion of each semester or permission of the instructor is required to continue into the next semester. Placement in specific English and math courses is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=24)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSLT-104</td>
<td>Safety and Introduction to Shop Practices</td>
<td>2</td>
</tr>
<tr>
<td>DSLT-123L</td>
<td>Diesel Engines/Electrical Systems Lab</td>
<td>6</td>
</tr>
<tr>
<td>DSLT-125</td>
<td>Diesel Engines</td>
<td>2</td>
</tr>
<tr>
<td>DSLT-126</td>
<td>Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSLT-133</td>
<td>Introduction to Electrical</td>
<td>1</td>
</tr>
<tr>
<td>MCTE-104</td>
<td>Technical Mathematics for Automotive Technology and Diesel</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSLT-124</td>
<td>Powertrain/Brake Systems</td>
<td>5</td>
</tr>
<tr>
<td>DSLT-124L</td>
<td>Powertrain/Brake Systems Lab</td>
<td>6</td>
</tr>
<tr>
<td>ECTE-100 or ENGL-101</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>Summer 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSLT-117L</td>
<td>Diesel Lab</td>
<td>2</td>
</tr>
<tr>
<td>DSLT-137</td>
<td>Suspension/Steering and A/C</td>
<td>2</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>DSLT-223</td>
<td>Advanced Tune-Up/Computerized Engines</td>
<td>4</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Explain proper safety procedures in regard to overall shop safety practices with emphasis on equipment and maintenance/repair of diesel components.
- Troubleshoot, repair, and rebuild a diesel engine.
- Understand and apply electrical principles as they relate to starting and charging.
- Recognize, troubleshoot and repair powertrain systems including transmissions, differentials, brake systems and drive trains.
- Demonstrate good work habits, communication practices and computation skills when performing both technical and general functions required of a diesel technician.
- Troubleshoot, repair, and rebuild a variety of diesel engines and their respective systems commonly found in the industry.
- Understand and apply electrical principles as they relate to starting, charging and electronic systems.
- Explain and apply hydraulic concepts, formulas and repair procedures to a variety of diesel vehicles found in the industry.
Diesel Technology (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Manufacturing and Trades

This program is designed to prepare students for employment as entry-level truck/heavy equipment technicians. The Diesel Technology program emphasizes extensive shop work using actual customer projects, as well as mock-up units and assemblies similar to those found in industry. Instruction includes theory and troubleshooting of problems involved in the repair and maintenance of engines, transmissions, differentials, brakes, steering, suspension, cooling, as well as hydraulics, undercarriages, fuel and air systems, and introduction to vehicle/equipment operation. Integrated in the program is a course in safety and basic welding procedures. Successful completion of each semester or permission of the instructor is required to continue into the next semester. Placement in specific English and math courses is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor’s permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=24)

Program Requirements

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSSL-104</td>
<td>GEM</td>
</tr>
<tr>
<td>DSSL-123L</td>
<td>WICHE</td>
</tr>
<tr>
<td>DSSL-123</td>
<td>AAS</td>
</tr>
<tr>
<td>DSSL-125</td>
<td>Institutionally Designated</td>
</tr>
<tr>
<td>DSLT-126</td>
<td>Milestone</td>
</tr>
<tr>
<td>DSLT-133</td>
<td>GEM</td>
</tr>
<tr>
<td>MCTE-104</td>
<td>WICHE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSSL-104</td>
<td>Safety and Introduction to Shop Practices</td>
<td>2</td>
</tr>
<tr>
<td>DSSL-123L</td>
<td>Diesel Engines/Electrical Systems Lab</td>
<td>6</td>
</tr>
<tr>
<td>DSSL-125</td>
<td>Diesel Engines</td>
<td>2</td>
</tr>
<tr>
<td>DSSL-126</td>
<td>Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSSL-133</td>
<td>Introduction to Electrical</td>
<td>1</td>
</tr>
<tr>
<td>MCTE-104</td>
<td>Technical Mathematics for Automotive Technology and Diesel</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>DSSL-124</td>
<td>Powertrain/Brake Systems</td>
<td>5</td>
</tr>
<tr>
<td>DSSL-124L</td>
<td>Powertrain/Brake Systems Lab</td>
<td>6</td>
</tr>
<tr>
<td>ECTE-100 or ECTE-101</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
</tbody>
</table>

Summer 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSSL-117L</td>
<td>Diesel Lab</td>
<td>2</td>
</tr>
<tr>
<td>DSSL-137</td>
<td>Suspension/Steering and A/C</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>16</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Summer 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DSSL-117</td>
<td>Diesel Lab</td>
</tr>
<tr>
<td>DSSL-137</td>
<td>Suspension/Steering and A/C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credits</td>
<td>37</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Explain proper safety procedures in regard to overall shop safety practices with emphasis on equipment and maintenance/repair of diesel components.
- Troubleshoot, repair, and rebuild a diesel engine.
- Understand and apply electrical principles as they relate to starting and charging.
- Recognize, troubleshoot and repair powertrain systems including transmissions, differentials, brake systems and drive trains.
- Demonstrate good work habits, communication practices and computation skills when performing both technical and general functions required of a diesel technician.
Diversity (AC)

Academic Certificate

Transfer Program

Interest Areas:
Arts, Comm., and Humanities
Soc. Sciences and Human Srvs.

The academic certificate in diversity provides an interdisciplinary exploration of cultural difference. Through the varied courses that comprise the certificate, students will develop an informed perspective on critical and social matters such as equality, ethical responsibility, and social justice. The awareness and appreciation for cultural diversity will prepare students, including working professionals from a wide array of fields (education, law enforcement, government, social services, health care, etc.), with the ability to engage more consciously and productively in a variety of activities in their work, community, and family lives. The interdisciplinary certificate in cultural diversity will afford students with the opportunities to learn outside the classroom setting to include research, participation in projects, dialog at forums, and contributions to existing groups and organizations. In addition, students intending to transfer for further study can integrate the courses for the certificate toward their GEM requirements, and apply what they have learned to a wide range of fields and careers in their future.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH-102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>INTR-250P</td>
<td>Common Read</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-111</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>SOC-102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>or SOC-251</td>
<td>Race and Ethnic Relations</td>
<td></td>
</tr>
<tr>
<td>or SOC-296</td>
<td>Introduction to Sociology of Gender</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 15

Course Key

- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Describe diverse cultural practices and beliefs at local, regional, national, and global levels.
- Explain how culture and social context shapes individual experiences and perspectives.
Education – Elementary or Middle School Teacher Education (AA)
Associate of Arts

Transfer Program

Interest Areas:
   Soc. Sciences and Human Srvs.

The Education program is intended for students who wish to teach in an elementary or middle school education setting. It is strongly recommended that students who plan to teach kindergarten through grade eight in an elementary or middle school contact their transfer institution as soon as possible regarding specific coursework needed for the transfer institution’s core curriculum, college of education requirements, and/or state certification requirements. Delay in contacting the transfer institution may result in taking unnecessary courses. The following courses have a high probability for transfer and meet core requirements for an associate’s degree from North Idaho College.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing 1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing 2</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing 1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>EDUC-201</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-175</td>
<td>Literature and Ideas</td>
<td>3</td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra (or higher)</td>
<td>3</td>
</tr>
<tr>
<td>MATH-157</td>
<td>Mathematics for Elementary School Teachers I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-257</td>
<td>Mathematics for Elementary School Teachers II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HIST-111</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>or HIST-112</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two of the following:</td>
<td>6</td>
</tr>
<tr>
<td>ANTH-102</td>
<td>Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>ART-100</td>
<td>Introduction to Art</td>
<td></td>
</tr>
<tr>
<td>ENGL-202</td>
<td>Technical Writing</td>
<td></td>
</tr>
<tr>
<td>ENGL-205</td>
<td>Interdisciplinary Writing</td>
<td></td>
</tr>
</tbody>
</table>

| ENGL-272 | Business Writing                                |         |
| ENGL-291 | Creative Writing: Poetry                        |         |
| ENGL-292 | Creative Writing: Fiction                       |         |
| HIST-101 | World History I                                 |         |
| HIST-102 | World History II                                |         |
| HUMS-101 | Montage: Introduction to the Humanities         |         |
| MUSI-100 | Introduction to Music                            |         |
| POLS-101 | American National Government                    |         |
| THEA-101 | Introduction to the Theatre                     |         |

Electives Requirements
Courses 100-level or higher 6

Total Credits 60-62

1 This General Education Requirement is met by the Program Requirements.
2 This General Education Requirement is partially met by the Program Requirements.

Course Key

<table>
<thead>
<tr>
<th>GEM</th>
<th>WICHE</th>
<th>AAS</th>
<th>Gateway</th>
<th>Institutionally Designated</th>
</tr>
</thead>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Design and implement developmentally appropriate and challenging learning experiences in the K-12 classroom environment.
- Utilize multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher’s and the learner’s decision making.
- Pursue their educational and professional goals through transfer or transition to a different field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Education – Secondary Education (AA)

Associate of Arts

Transfer Program
Interest Areas:
  Soc. Sciences and Human Srvs.

The Education program is intended for students who wish to teach in a middle school, or high school setting. Most transfer institutions and state teacher certification standards require high school teachers to complete a major area of study such as English, History, Art, or Biology. In preparation for transfer, NIC students may enroll in courses which have a high probability for transfer and courses that support their major area of study. It is strongly recommended that students who plan to teach in a high school setting contact their transfer institution as soon as possible regarding specific coursework needed for the transfer institution's core curriculum, college of education requirements, and/or state certification requirements. Delay in contacting the transfer institution may result in taking unnecessary courses. Students wishing to pursue a career as a middle school teacher have two options. They can complete secondary requirements for high school teachers and be certified to teach grades 6-12 in their area. The second option would be to seek an elementary certification and seek an endorsement in their content area. Students who are uncertain about becoming a teacher may enroll in EDUC-201 as a sophomore. This course is designed to assist students in making an educated decision about teaching as a career choice.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>EDUC-201</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Electives Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Courses 100-level or higher</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>60-62</td>
</tr>
</tbody>
</table>

1 This General Education Requirement is met by the Program Requirements.
2 This General Education Requirement is partially met by the Program Requirements.

Program Outcomes

Upon completion of the program, students will be able to:

- Design and implement developmentally appropriate and challenging learning experiences in the K-12 classroom environment.
- Utilize multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and the learner's decision making.
- Pursue their educational and professional goals through transfer or transition to a different field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Engineering (AS)
Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

A full range of engineering and related courses are offered to satisfy freshman and sophomore requirements for students planning to transfer to institutions offering baccalaureate degrees in engineering or engineering technology. A solid foundation is laid for further studies in civil, mechanical, chemical, and electrical engineering. This program provides the flexibility needed by students interested in emerging fields like computer science, robotics, bioengineering, geological engineering, environmental engineering, and many others. The advantages of small class size, individual attention, a knowledgeable professional staff, and state-of-the-art instructional equipment incorporating modern CAD (computer aided design) are well suited to meeting the lower division requirements for degrees in engineering. A solid math and science background is important preparation for a college engineering program. Completion of the following courses normally fulfills half of bachelor’s degree requirements in Engineering. Course selections should be tailored to match requirements of the intended transfer institution.

Contact Information:
Math, Computer Science and Engineering Division
Seiter Hall, Room 214
Phone: (208) 665-4521
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=27)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing 1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing 1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing 2</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing 2</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Elective Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-112</td>
<td>Principles of General College Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM-277</td>
<td>Organic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM-278</td>
<td>Organic Chemistry I Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM-287</td>
<td>Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM-288</td>
<td>Organic Chemistry II Lab</td>
<td></td>
</tr>
<tr>
<td>CS-150</td>
<td>Computer Science I</td>
<td></td>
</tr>
<tr>
<td>CS-240</td>
<td>Digital Logic</td>
<td></td>
</tr>
<tr>
<td>ENGL-202</td>
<td>Technical Writing</td>
<td></td>
</tr>
<tr>
<td>ENGR-105</td>
<td>Engineering Graphics</td>
<td></td>
</tr>
<tr>
<td>ENGR-214</td>
<td>Surveying</td>
<td></td>
</tr>
<tr>
<td>ENGR-220</td>
<td>Dynamics of Rigid Bodies</td>
<td></td>
</tr>
<tr>
<td>ENGR-223</td>
<td>Engineering Analysis</td>
<td></td>
</tr>
<tr>
<td>ENGR-240</td>
<td>Circuits I</td>
<td></td>
</tr>
<tr>
<td>ENGR-241</td>
<td>Circuits II</td>
<td></td>
</tr>
<tr>
<td>ENGR-295</td>
<td>Strength of Materials</td>
<td></td>
</tr>
<tr>
<td>MATH-275</td>
<td>Analytic Geometry and Calculus III</td>
<td></td>
</tr>
<tr>
<td>MATH-335</td>
<td>Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>PHYS-212</td>
<td>Engineering Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 64-71

1 This General Education Requirement is met by the Program Requirements.
2 This General Education Requirement is partially met by the Program Requirements.
3 Choose courses based on major chosen at your transfer institution.

Program Outcomes

Students completing coursework in Engineering at North Idaho College will be given the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

Upon completion of the program, students will be able to:

- Recognize the impact of engineering solutions in a global, economic, environmental, and societal context.
- Apply knowledge of mathematics, science, and engineering to identify, formulate, and solve basic engineering problems.
- Function on multidisciplinary teams, communicate effectively, and use the techniques, skills, and modern engineering tools necessary for engineering practice.
- Develop an understanding of professional and ethical responsibilities for engineers, a knowledge of contemporary issues, and a recognition of the need for, and ability to engage in life-long learning.
In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
The study of literature and composition helps students to acquire valuable interdisciplinary communication skills for a wide range of professions. Classes focus on the pleasures and challenges of reading and writing. Students learn to read critically, to think logically, to analyze and organize a wide variety of concepts, to research and evaluate sources, and to communicate clearly and effectively. Studying literature, creative writing, and professional writing provides students with strong reading comprehension abilities and inspires cultural, social, philosophical, and historical inquiry. Regular practice of writing teaches students to express their ideas artfully and to integrate diverse perspectives into convincing essays. English majors can apply these skills to a range of professional fields, such as business, advertising, media, law, health professions, and education.

Completion of the following courses normally fulfills the first half of bachelor's degree requirements in English. Students can choose a special focus in literature, creative writing, or professional writing. Students who wish to choose a special focus for their English A.A. (literature, creative writing, or professional writing) must meet with their English advisors to discuss specific course recommendations. Course selections should be tailored to match requirements of the intended transfer institutions.

**Program Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1 -</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2 -</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 -</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4 -</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5 -</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 6 -</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7 -</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td>ENGL-195</td>
<td>Introduction to English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-210</td>
<td>Literary Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-271</td>
<td>Introduction to Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-296</td>
<td>Major Figures</td>
<td></td>
</tr>
<tr>
<td>Select 12-15 credits of the following:</td>
<td>12-15</td>
<td></td>
</tr>
<tr>
<td>ENGL-202</td>
<td>Technical Writing</td>
<td></td>
</tr>
<tr>
<td>ENGL-205</td>
<td>Interdisciplinary Writing</td>
<td></td>
</tr>
<tr>
<td>ENGL-207</td>
<td>Trestle Creek Review</td>
<td></td>
</tr>
</tbody>
</table>

**Modern Language Requirement**

Select 5-18 credits of the following: 5-18

- American Sign Language (ASL)
- French (FREN)
- German (GERM)
- Italian (ITAL)
- Spanish (SPAN)

**Electives Requirements**

Courses 100-level or higher 0-22

**Total Credits** 60-80

1. This General Education Requirement is met by the Program Requirements.
2. Advising is critical to ensure course selections are appropriate for seamless transfer. The minimum credits for an A.A. degree is 60, but students may need to complete up to 78 credits. The maximum credits for transfer depends on the institution. Check with your advisor before selecting English and/or general electives.
3. Students may need to take two years of a Modern Language for transfer. Check with your advisor and transfer institution.

**Course Key**

<table>
<thead>
<tr>
<th></th>
<th>GEM</th>
<th>WICHE</th>
<th>AAS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Milestone**

Passport

**Program Outcomes**

Upon completion of the program, students will be able to:

- Recognize and describe literary works within problems and patterns of the human experience.
- Distinguish, demonstrate competency, and apply terminologies, methodologies, processes, epistemologies,
and traditions specific to literature, creative writing, and/or professional writing.

• Analyze, evaluate, and interpret texts, objects, events, or ideas in their cultural, intellectual, linguistic, or historical contexts.
• Develop critical perspectives or arguments about the subject matter, grounded in evidence-based analysis.
• Demonstrate self-reflection, intellectual elasticity, widened perspective, and respect for diverse viewpoints.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Entrepreneurship (AC)

Academic Certificate

Transfer Program

Interest Areas:

Business Admin. and Management

The Entrepreneurship program prepares students to obtain employment by launching a business venture or by working in a variety of industries. Students are able to enroll in as many classes as their schedule can support, allowing for the 15-credit certificate to be completed in one semester or over the course of several semesters.

Note: For students who wish to complete this program option as part of a career technical AAS degree financial aid-eligible program, refer to the Business Management AAS degree program.

Contact Information:

Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=86)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ENTP-105</td>
<td>Entrepreneurship Skills</td>
<td>3</td>
</tr>
<tr>
<td>ENTP-125</td>
<td>Small Business Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>ENTP-135</td>
<td>Business Development and Planning</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-113</td>
<td>Payroll Accounting</td>
<td></td>
</tr>
<tr>
<td>BMGT-256</td>
<td>Problem Solving Through Team Dynamics</td>
<td></td>
</tr>
<tr>
<td>BUSA-211</td>
<td>Principles of Management</td>
<td></td>
</tr>
<tr>
<td>BUSA-234</td>
<td>Ethical Conduct in Business</td>
<td></td>
</tr>
<tr>
<td>BUSA-265</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>ENGL-272</td>
<td>Business Writing</td>
<td></td>
</tr>
<tr>
<td>HRA-210</td>
<td>Recruiting, Selection, and Retention</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 15

Course Key

GEM WICHE AAS Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Develop and refine business idea(s) from concept through a complete business plan.
- Develop the ability to pitch a new venture concept to potential customers and investors.
- Launch a business venture of one’s own, and/or apply concepts gained through the program to foster innovation and growth within an existing company.

- Identify key business skills and knowledge needed to be successful when opening/operating a small business.
- Identify and analyze innovative business opportunities, assessing feasibility/viability of concepts.
Environmental Science (AS)
Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

Environmental science is an interdisciplinary field that utilizes physical, chemical, and biological sciences to study both natural and anthropogenic impacts on the environment. Communication, data management, and problem solving skills are stressed throughout the program and applied to a variety of complex environmental issues including biodiversity loss, water resources, and global climate change. Students enrolled in this program will receive a diverse background in the sciences, including biology, chemistry, and geology as well as exposure to international environmental issues. This program provides a solid scientific foundation as well as the flexibility students need to specialize in one of the branches of environmental science. Specialization in a select area is encouraged to progress toward a suitable transfer program or career goal.

Completion of the following courses results in an Associate of Science Degree with an area of emphasis in Environmental Science. This program normally fulfills the first two years of baccalaureate study in Environmental Science. Course selection should be tailored to match requirements defined by intended transfer institution.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=29)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing ¹</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing ¹</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing ²</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing ²</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH-102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-115</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENSI-119</td>
<td>Introduction to Environmental Science</td>
<td>4</td>
</tr>
<tr>
<td>ENSI-225</td>
<td>International Environmental Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Electives
Select two courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIST-250</td>
<td>American Indian Sovereignty and Federal Policy</td>
<td>6-8</td>
</tr>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td></td>
</tr>
<tr>
<td>BIOL-231</td>
<td>General Ecology</td>
<td></td>
</tr>
<tr>
<td>BTNY-203</td>
<td>General Botany</td>
<td></td>
</tr>
<tr>
<td>GIST-271</td>
<td>Introduction to Geographic Information Science and Technology Using GIS (Geographic Information Systems)</td>
<td></td>
</tr>
<tr>
<td>PHYS-111</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td></td>
</tr>
<tr>
<td>ZOOL-202</td>
<td>General Zoology</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 60-64

1 This General Education Requirement is met by the Program Requirements.
2 This General Education Requirement is partially met by the Program Requirements.

Course Key

GEM | WICHE | AAS | Gateway | Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Apply foundational knowledge of environmental science including biodiversity, human population growth, water resource use, toxicology, climate impacts and sustainable development to environmental problems on a regional and global scale.
- Describe and differentiate the major systems of the Earth (atmosphere, biosphere, hydrosphere, lithosphere).
- Apply the concepts of deep time and biological evolution to biodiversity loss and extinction.
- Employ scientific methods and reasoning to critically evaluate assertions and identify environmental impacts, communicate the scientific basis of various environmental issues, and identify potential solutions to those problems.
- Recognize that humans significantly alter the environment and illustrate how humans depend on Earth for limited natural resources and ecosystem services which may affect the human experience.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Fire Fighter 1 (BTC)

Career-Technical Program

Interest Areas:
- Healthcare
- Soc. Sciences and Human Srvs.

This program is designed to prepare students for the written and practical skills examinations for Idaho Fire Fighter 1 certification accredited by the International Fire Service Accreditation Congress (IFSAC). Instruction includes basic firefighting skills, hazardous materials and infection control for emergency responders. The academy offers students the opportunity to learn from and network with instructors from Coeur d'Alene Fire Department, Kootenai County Fire and Rescue, and Northern Lakes Fire District.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=30)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FST-101</td>
<td>Fire Fighter 1</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Be prepared to pass both the written and practical skills International Fire Service Accreditation Congress (IFSAC) Fire Fighter 1 Certification examination.
- Demonstrate knowledge of current tactical practices and national standards in the field of firefighting.
- Demonstrate knowledge as to how one fits into the paramilitary organization of a fire department.
- Demonstrate how to follow as a new fire fighter and grow into leadership positions.
- Demonstrate how to successfully fit into the diverse culture of the fire service.
- Use problem solving skills to identify numerous ways to complete tasks with resources available.
- Demonstrate the ability to contribute effectively to systems and team outcomes.
- Demonstrate ethical reasoning skills and moral behavior associated with firefighting.
Fire Service Technology (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
  Healthcare
  Soc. Sciences and Human Srvs.

The Fire Service Technology curriculum is designed to develop and upgrade the firefighting skills and knowledge of volunteer and paid firefighters, and covers all phases of firefighting. The intent is to provide firefighters with the skills needed to save lives and protect property in a safe and efficient manner. Participants must be members of a paid or volunteer fire department. Technical skills courses are developed through the Idaho Division of Career and Technical Education, Emergency Services Training program, and are offered through fire departments under the coordination of NIC’s Workforce Training Center. Fire service curricula is developed to the National Fire Protection Association (NFPA) Standards. Upon completion of the technical classes, students may choose to complete the NIC general education core classes and apply for an A.A.S. degree in Fire Service Technology. Upon completing the A.A.S. degree, students may transfer to Lewis-Clark State College to complete a Bachelor of Applied Science in Fire Service Technology.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=30)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I 📖</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication 📖</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Additional Courses
- FST-100 Fire Service Technology 33
- FST-101 Fire Fighter 1 12

Note: FST-100 is used to transcript Fire Service related training courses such as the courses listed below. Each course submitted will be evaluated as follows: For every 15 hours of theory/lecture training 1 credit will be awarded and for every 30 hours of skills-based/lab training 1 credit will be awarded.

- Fire Fighter II
- Technical Rescue
- Hazmat
- Rescue
- Extrication
- Fire Investigation

Total Credits: 60-62

Course Key
- GEM
- WICHE Passport
- AAS Institutionally Designated
- Gateway
- Milestone

Program Outcomes
Upon completion of the program, students will be able to:

- Be prepared to take the written and practical skills International Fire Service Accreditation Congress (IFSAC) Certifications examinations.
- Demonstrate current tactical practices and national standards in the field of firefighting.
- Demonstrate how they fit into the para-military organization of a fire department, how to successfully fit into the diverse culture of fire service, and understand their value to the organization.
- Demonstrate how to follow the chain of command as a new firefighter and grow into leadership positions.
- Demonstrate how to approach the diversity of the work that a firefighter faces: applying problem solving skills to identify numerous ways to complete tasks with resources available, reflecting on outcomes and suggesting improvement plans, and taking on challenging tasks to create effective systems and programs.
- Demonstrate ethical reasoning skills and moral behavior associated with firefighting.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Forestry/Wildlife/Range Management (AS)

Associate of Science

Transfer Program
Interest Areas:
  Science, Tech., Engr. and Math

This program provides required coursework for students interested in pursuing a career in natural resource management. The program acquaints students with the physical, biological, and social sciences, as well as the humanities. The curriculum provides a basis of general education and scientific-professional courses addressing the use of forests, rangelands, and related natural resources.

Completion of the following courses results in an associate’s degree with an area of emphasis in Forestry/Wildlife/Range Management. The required coursework normally fulfills the first half of baccalaureate degree requirements in natural resource management for a variety of disciplines, including Forestry, Wildlife, Fisheries, Range Management, etc. Course selection should be tailored to match requirements defined by the intended transfer institution.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=31)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1 -</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2 -</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 -</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4 -</td>
<td>Scientific Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5 -</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6 -</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7 -</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td>BIOL-101</td>
<td>Forestry Orientation</td>
<td>1</td>
</tr>
<tr>
<td>BIOL-115</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BIOL-221</td>
<td>Forest Ecology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-101</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>ECON-202</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>&amp; MATH-144</td>
<td>and Analytic Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MATH-147</td>
<td>College Algebra and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MATH-160</td>
<td>Survey of Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Select 15 credits from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
</tr>
<tr>
<td>BIOL-251</td>
<td>Principles of Range Resources Management</td>
</tr>
<tr>
<td>BIOL-290</td>
<td>Principles of Wildlife Biology</td>
</tr>
<tr>
<td>BTNY-203</td>
<td>General Botany</td>
</tr>
<tr>
<td>BTNY-241</td>
<td>Systematic Botany</td>
</tr>
<tr>
<td>CHEM-275</td>
<td>Carbon Compounds</td>
</tr>
<tr>
<td>GEOL-101</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>PHYS-101</td>
<td>Fundamentals of Physical Science</td>
</tr>
<tr>
<td>PHYS-111</td>
<td>General Physics I</td>
</tr>
<tr>
<td>ZOOL-202</td>
<td>General Zoology</td>
</tr>
</tbody>
</table>

Total Credits 60-63

1 This General Education Requirement is met by the Program Requirements.
2 This General Education Requirement is partially met by the Program Requirements.

Course Key

| GEM | WICHE | AAS | Passport | Institutionally Designated | Gateway | Milestone |

Program Outcomes

Upon completion of the program, students will be able to:

- Describe ecological processes that influence organisms and ecosystem change and how these impact the future sustainability of natural resources.
- Describe how the use, management, and allocation of natural resources are impacted by legislation, economic, biological, and societal factors.
- Communicate effectively, orally, and in writing with audiences of diverse backgrounds the management of natural resources.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
General Studies (AA)

Associate of Arts

Transfer Program

Interest Areas:
- Arts, Comm., and Humanities
- Business Admin. and Management
- Healthcare
- Science, Tech., Engr. and Math
- Soc. Sciences and Human Srvs.

This program provides students with a highly adaptable framework for completion of a transfer degree to serve their diverse educational and career interests, including the general core requirements at all Idaho public universities. Course selection made with the support of advisors can be tailored to prepare students for successful transfer to a wide variety of bachelor degree programs and institutions, as well as prepare for further study or various career pursuits. This program is also well-suited for students interested in a degree that explores multiple fields of learning.

Contact Information:
Office of Instruction
Molstead Library, Room 252
Phone: (208) 769-3400
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=32)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Electives Requirements

Courses 100-level or higher 22-24

Total Credits 60-64

Course Key

- GEM
- WICHE
- AAS
- Gateway
- Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Express themselves effectively, in both written and oral forms, to varied audiences to serve diverse purposes.
- Use appropriate mathematical principles and practices to interpret mathematical concepts, execute and explain appropriate strategies, and draw conclusions.
General Studies (AC)

Academic Certificate

Transfer Program
The General Education Certificate is central to all transfer degrees offered at NIC, as it encompasses the 36-credit GEM 1-7 competencies that were collaboratively developed and adopted by all public higher education institutions in Idaho. The established General Education Matriculation or GEM requirements are found in State Board of Education policy III. N.

The General Education Certificate represents an intentionally designed foundation of knowledge, skills, and abilities to serve the diverse needs of students interested in a variety of fields of study and careers. Completion of the certificate is a valuable indication of student achievement. The certificate is awarded at completion and no application is required.

Contact Information:
Office of Instruction
Molstead Library, Room 252
Phone: (208) 769-3400
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=32)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Total Credits 36-40

Course Key
- GEM
- WICHE
- AAS
- Gateway
- Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Express themselves effectively, in both written and oral forms, to varied audiences to serve diverse purposes.
- Use appropriate mathematical principles and practices to interpret mathematical concepts, execute and explain appropriate strategies, and draw conclusions.
- Apply scientific reasoning to various discipline-related questions and use laboratory practices appropriately for study, analysis, and replication of key principles.
- Use social science reasoning to inquire, collect relevant information, and develop insights on individual, social, community, regional, national, and/or global issues.
- Describe and interpret how a variety of humanistic and artistic forms, reflect, shape, and influence the human condition.
- Demonstrate self-awareness, apply integrative learning, and develop commitment toward educational and life goals.
Geology (AS)
Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

This program is for students interested in pursuing a baccalaureate degree in Geology. Geology is the science that deals with the history of the earth and its life, especially as recorded in rocks. Small classes, excellent laboratories, and close proximity to classical geological field environs are especially well suited to providing the lower-division requirements for geology majors. A strong background in science and mathematics is important preparation for a college geology program.

Completion of the following courses results in an associate’s degree with an area of emphasis in Geology. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=33)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>GEOL-101</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL-102</td>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL-255</td>
<td>Systematic Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH-175</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-111</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-112</td>
<td>General Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 63-65

Program Outcomes

Upon completion of the program, students will be able to:

- Apply foundational knowledge of geologic/geographic science including plate tectonics, geologic time, and the rock cycle to analyze or predict phenomena.
- Employ scientific methods and reasoning to critically evaluate assertions and identify Earth materials.
- Interpret and communicate geological or geographical information via written, spoken and/or visual representations such as geologic, meteorological, and topographic maps.
- Illustrate the interdependence between the human experience and deep time, geologic hazards, and lithospheric processes.
- Collect, analyze and interpret geologic/geographic data to form and test a hypothesis in the laboratory, classroom, or field using discipline-specific tools and techniques.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.

1 This General Education Requirement is met by the Program Requirements.
Graphic and Web Design AAS
Associate of Applied Science

Career-Technical Program
Interest Areas:
  Arts, Comm., and Humanities
  Business Admin. and Management

The Graphic and Web Design program is designed to prepare students for entry-level positions in the graphic and web design markets. The program emphasizes the basic skills, knowledge, and abilities typically encountered in the graphic design professions as well as the knowledge of how to design, prototype, and create compelling business, informational, educational and self-promotional websites. Instruction includes theories and methodologies used to implement creative, technical, and esthetic solutions into print advertising, packaging, web design, user interactivity, usability/accessibility, digital video, and new media applications.

This is a selective enrollment program. Successful completion of each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in third and fourth semester courses.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=34)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-102</td>
<td>Survey of Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>GDES-130</td>
<td>Introduction to Apple Operating System (Mac OS)</td>
<td>1</td>
</tr>
<tr>
<td>GDES-131</td>
<td>Adobe Illustrator - Vector Graphics</td>
<td>3</td>
</tr>
<tr>
<td>GDES-141</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>16-18</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-120</td>
<td>Typography</td>
<td>2</td>
</tr>
<tr>
<td>GDES-132</td>
<td>Adobe Photoshop - Raster Graphics</td>
<td>3</td>
</tr>
<tr>
<td>GDES-221</td>
<td>Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>GDES-247</td>
<td>Social Media Design Strategies</td>
<td>2</td>
</tr>
<tr>
<td>GDES-255</td>
<td>Web Design II</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-222</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>GDES-227</td>
<td>Digital Video and Computer Animation</td>
<td>3</td>
</tr>
<tr>
<td>GDES-235</td>
<td>Adobe InDesign Layout, Composition, and Pre-Press</td>
<td>3</td>
</tr>
<tr>
<td>GDES-245</td>
<td>User Experience Design and Usability</td>
<td>3</td>
</tr>
<tr>
<td>GDES-252</td>
<td>Web Design III</td>
<td>3</td>
</tr>
<tr>
<td>GDES-271</td>
<td>Design Projects</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-223</td>
<td>Graphic Design III</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Apply professional design principles and practices to digital images, graphics, animations, videos, and webpages.
- Plan, design, develop, and edit digital images, graphics, animations, and videos.
- Plan, design, develop, and edit digital time-based media.
- Plan, design, develop, and edit interactive webpages.
- Work effectively as part of a design team.
- Complete a design portfolio representing necessary industry skills.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Graphic and Web Design ATC
Advanced Technical Certificate

Career-Technical Program
Interest Areas:
- Arts, Comm., and Humanities
- Business Admin. and Management

The Graphic and Web Design program is designed to prepare students for entry-level positions in the graphic and web design markets. The program emphasizes the basic skills, knowledge, and abilities typically encountered in the graphic design professions as well as the knowledge of how to design, prototype, and create compelling business, informational, educational, and self-promotional websites. Instruction includes theories and methodologies used to implement creative, technical, and esthetic solutions into print advertising, packaging, web design, user interactivity, usability/accessibility, digital video, and new media applications.

This is a selective enrollment program. Successful completion of each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in third and fourth semester courses.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=34)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-102</td>
<td>Survey of Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>GDES-130</td>
<td>Introduction to Apple Operating System (Mac OS)</td>
<td>1</td>
</tr>
<tr>
<td>GDES-131</td>
<td>Adobe Illustrator - Vector Graphics</td>
<td>3</td>
</tr>
<tr>
<td>GDES-141</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing or ENGL-101</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td>2</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16-18</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-120</td>
<td>Typography</td>
<td>2</td>
</tr>
<tr>
<td>GDES-132</td>
<td>Adobe Photoshop - Raster Graphics</td>
<td>3</td>
</tr>
<tr>
<td>GDES-221</td>
<td>Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>GDES-247</td>
<td>Social Media Design Strategies</td>
<td>2</td>
</tr>
<tr>
<td>GDES-255</td>
<td>Web Design II</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-222</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>GDES-227</td>
<td>Digital Video and Computer Animation</td>
<td>3</td>
</tr>
<tr>
<td>GDES-235</td>
<td>Adobe InDesign Layout, Composition, and Pre-Press</td>
<td>3</td>
</tr>
<tr>
<td>GDES-245</td>
<td>User Experience Design and Usability</td>
<td>3</td>
</tr>
<tr>
<td>GDES-252</td>
<td>Web Design III</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Course Key
- GEM
- WICHE Passport
- AAS Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Apply professional design principles and practices to digital images, graphics, animations, videos, and webpages.
- Plan, design, develop, and edit digital images, graphics, animations, and videos.
- Plan, design, develop, and edit digital time-based media.
- Plan, design, develop, and edit interactive webpages.
- Work effectively as part of a design team.
- Complete a design portfolio representing necessary industry skills.
Graphic and Web Design ITC
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
Arts, Comm., and Humanities
Business Admin. and Management

The Graphic and Web Design program is designed to prepare students for entry-level positions in the graphic and web design markets. The program emphasizes the basic skills, knowledge, and abilities typically encountered in the graphic design professions as well as the knowledge of how to design, prototype, and create compelling business, informational, educational and self-promotional websites. Instruction includes theories and methodologies used to implement creative, technical, and esthetic solutions into print advertising, packaging, web design, user interactivity, usability/accessibility, digital video, and new media applications.

This is a selective enrollment program. Successful completion of each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in third and fourth semester courses.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=34)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDES-102</td>
<td>Survey of Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>GDES-130</td>
<td>Introduction to Apple Operating System (Mac OS)</td>
<td>1</td>
</tr>
<tr>
<td>GDES-131</td>
<td>Adobe Illustrator - Vector Graphics</td>
<td>3</td>
</tr>
<tr>
<td>GDES-141</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101</td>
<td>or Writing and Rhetoric I</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td></td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Credits | 16-18 |

| Semester 2                                   |         |
| GDES-120 | Typography                                    | 2       |
| GDES-132 | Adobe Photoshop - Raster Graphics             | 3       |
| GDES-221 | Graphic Design I                              | 3       |
| GDES-247 | Social Media Design Strategies                | 2       |
| GDES-255 | Web Design II                                  | 3       |
| COMM-101 | Fundamentals of Oral Communication            | 3       |

| Credits | 16     |

| Total Credits | 32-34 |

Program Outcomes

Upon complete of the program, students will be able to:
- Apply professional design principles and practices to digital images, graphics, animations, videos, and webpages.
- Plan, design, develop, and edit interactive webpages.
- Work effectively as part of a design team.
Health Information Fundamentals (ITC)

Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management
  Healthcare

The Health Information Fundamentals certificate program is designed for those who wish to continue their education with Idaho State University (ISU) and earn an associate of applied science degree in Health Information Technology. ISU courses required to complete the A.A.S. degree are offered through distance education so students can complete the degree without moving to ISU's campus. Upon completion of ISU's Health Information Technology A.A.S. degree, graduates are eligible to take the national certification examination through the American Health Information Management Association (AHIMA). Successful completion of the examination results in earning the Registered Health Information Technician (RHIT) credential.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=92)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>HCT-180</td>
<td>Medical Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHAR-150</td>
<td>Introduction to Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>HCT-101</td>
<td>Health Information I</td>
<td>4</td>
</tr>
<tr>
<td>MAST-180</td>
<td>Introduction to Human Disease</td>
<td>3</td>
</tr>
<tr>
<td>MATH-123</td>
<td>Math in Modern Society</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

**Health Information Technology through Idaho State University**

Idaho State University (ISU) offers the required courses for the completion of the A.A.S. degree in Health Information Technology. NIC students can transfer their credits from the above technical certificate program to ISU and take the 38 credits from ISU to receive an A.A.S. degree in Health Information Technology from Idaho State University.
Healthcare Document Management (BTC)

Basic Technical Certificate

Career-Technical Program
Interest Areas:
- Business Admin. and Management
- Healthcare

This certificate program is designed for individuals who desire to update or attain new medical office skills by completing a combination of healthcare operations, revenue cycle, document management, spreadsheets, and law and ethics courses. The curriculum provides students with the updated knowledge and skills necessary to work in various healthcare settings.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=113)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-140</td>
<td>Database/Access I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>HCIT-101</td>
<td>Health Information I</td>
<td>4</td>
</tr>
<tr>
<td>Credits</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

| Semester 2                      |                                                  |
| CAOT-168 | Integrated Medical Office Software | 3       |
| CAOT-184 | Records Systems Management        | 3       |
| HCIT-180 | Medical Law and Ethics            | 3       |
| Credits                                  | 9       |
| Total Credits                          | 18      |

Course Key
- GEM
- WICHE
- AAS
- Gateway
- Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Apply knowledge of database and spreadsheet software real-life scenarios.
- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in an entry-level medical records position.
- Protect patients' health information for confidentiality, authorized access for treatment, and data security.
- Communicate effectively (in verbal and written forms) using medical terms for anatomy, disease, and diagnostic and therapeutic procedures.

- Analyze and evaluate health information to ensure timely completion of documentation.
- Demonstrate knowledge of accreditation standards for medical record documentation completion.
- Apply legal and ethical concepts to real-life dilemmas faced in medical careers.
- Use an integrated practice management/electronic health records medical office software program to perform a variety of tasks including appointment scheduling, patient account creation, posting transactions, and electronically billing third-party payers.
Heating, Ventilation, Air Conditioning, and Refrigeration (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Manufacturing and Trades

This nine-month certificate program in Heating, Ventilation, Air Conditioning, and Refrigeration prepares students for entry-level positions in this challenging occupation. Entry-level HVACR technicians typically work on residential and light commercial HVACR systems performing equipment installations, preventative maintenance and service, and repair tasks. Additional opportunities are also available in system design and sales occupations.

Students will study basic HVACR systems, electricity, heating systems, local fuel codes, applied thermodynamics, refrigeration cycle, psychrometrics, duct system design, and system diagnosis. These skills are taught in classroom theory and learned in hands-on lab exercises and cooperative work experiences. A general education component consisting of communication, occupational relations, and math is integrated into the program. Successful completion of the first semester or permission of the instructor is required to continue into the second semester. Placement in specific English and math courses is determined by the college assessment test.

Successful completion of this program satisfies the four-year related training requirement for the Idaho State HVAC apprenticeship program.

Current industry professionals may enroll in a single course on a space available basis and with the instructor's permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=35)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HVAC-161</td>
<td>HVACR Principles</td>
<td>3</td>
</tr>
<tr>
<td>HVAC-161L</td>
<td>HVACR Lab I</td>
<td>5</td>
</tr>
<tr>
<td>HVAC-165</td>
<td>HVACR Electrical</td>
<td>4</td>
</tr>
<tr>
<td>HVAC-167</td>
<td>HVACR Heating</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>2-3</td>
</tr>
<tr>
<td>CAOT-162</td>
<td>Introduction to Computer Applications</td>
<td></td>
</tr>
<tr>
<td>CAOT-164</td>
<td>Computer Fundamentals for Technical Programs and Productivity Software for Technical Programs</td>
<td></td>
</tr>
<tr>
<td>CAOT-165 &amp; CAOT-166</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-166</td>
<td>and Living Online for Technical Programs</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-106</td>
<td>Technical Mathematics for Industrial Mechanic/Millwright; HVAC; Welding</td>
<td></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Recognize and apply proper safety techniques and procedures for troubleshooting and servicing HVACR systems.
- Describe the sequence of operation and properly install and repair fossil fuel combustion systems found in residential and light commercial applications.
- Describe the sequence of operation and properly install and repair oil combustion and electric furnace operations.
- Demonstrate proficiency in safe refrigerant handling and recovery.
- Troubleshoot and apply service knowledge to various refrigeration processes, including heat pumps, walk-in coolers and chillers.
- Exhibit HVACR work and safety industry competencies by modeling teamwork, and clean and safe shop practices.
- Demonstrate good work habits, communication practices and computation skills used in the HVACR industry.
- Read and interpret electrical schematics and building blue prints.
- Eligible to obtain a Universal Refrigerant Handling Card allowing work on any size refrigeration system.
History (AA)
Associate of Arts

Transfer Program
Interest Areas:
   Soc. Sciences and Human Srvs.

The history major is designed for students desiring a broad liberal arts background either as preparation for a profession or for personal enrichment. Careers in history include teaching (primary, secondary, or college level), museum work, historical research and writing, and preserving and interpreting history for the general public through a variety of local, state, and federal agencies. The history major is also highly recommended preparation for law, politics, the ministry, and public service. Because it develops breadth of knowledge as well as critical thinking and problem-solving skills, a history degree is widely considered an excellent foundation for many managerial and executive careers. For this reason, it is a fine choice for the general studies student.

Completion of the following courses normally fulfills the first half of bachelor degree requirements in history. Course selections should be tailored to match requirements of the intended transfer institutions.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=36)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST-101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST-102</td>
<td>World History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST-111</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST-112</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST-290</td>
<td>The Historian's Craft</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Requirements

Courses 100-level or higher 10-12

Total Credits 60-64

1 This General Education Requirement is partially met by the Program Requirements.

Recommended Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 4-18 credits from the following subjects:

- CDA Coeur d'Alene Language
- FREN French Language
- GERM German Language
- ITAL Italian Language
- JAPA Japanese Language
- SPAN Spanish Language

Course Key

- GEM
- WICHE
- AAS
- Passport
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate broad historical knowledge and understanding of the diversity of human experience that spans geography, time, cultures, and ideologies.
- Demonstrate an awareness and understanding of the role both large-scale and local forces of change play over time in World/United States civilizations.
- Demonstrate the basic skills of historical understanding and be able to apply historical methods, including the use and analysis of various types of primary and secondary sources.
- Pursue their educational and professional goals through transfer or transition to a different field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Hospitality Management (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
Business Admin. and Management

The Hospitality Management program prepares students for entry-level management in the hospitality industry. Hospitality Management blends classroom instruction with hands-on learning in the areas of management, human resources, accounting, food and beverage operations, and lodging operations. An internship provides students with an opportunity to work in the field and be well prepared for future employment in restaurant, catering, hotels, and other segments of the hospitality industry.

Contact Information:
Physical Education, Dance, and Resort/Recreation Management Division
Winton Hall, Room 132
Phone: (208) 769-3409
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=99)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-165</td>
<td>Productivity Software for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>HOSP-100</td>
<td>Introduction to Hospitality and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-110</td>
<td>Front Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-111</td>
<td>Food Safety and Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-117</td>
<td>Careers in Hospitality</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>16-18</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOSP-102</td>
<td>Guest Focused Service</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-215</td>
<td>Bar Beverage Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-225</td>
<td>Event Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-235</td>
<td>Food Appreciation</td>
<td>4</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-265</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-140</td>
<td>Leadership Principles</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-250</td>
<td>Risk Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-110 or ACCT-201</td>
<td>Small Business Accounting or Principles of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-230</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-290</td>
<td>Hospitality Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>62-64</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Understand and apply the skills and knowledge necessary to work in various entry-level positions in the hospitality industry.
- Understand and discuss the characteristics of the hospitality industry.
- Utilize computer applications and software.
- Demonstrate proficiency in excellent guest services and conflict resolution.
- Function effectively individually and within team structures on various projects and assignments.
- Understand and utilize hospitality terminology with ease.
- Discuss and practice food safety.
- Identify tools common to the food service industry and demonstrate their appropriate use.
- Recognize various cooking principles and terminology.
- Compare various beverages and understand the responsibilities associated with serving alcohol.
- Plan and organize an event or meeting.
- Explain how functional areas within hotel are classified and how the departments interact and rely on each other.
- Develop and apply marketing and sales principles in the hospitality industry.
- Understand hospitality industry functions, their operations requirements, risks and revenue impact.
- Gain knowledge of the various roles and responsibilities of a manager and evaluate their importance to the hospitality industry.
- Understand the importance of financial reporting and accounting principles as related to hospitality.
- Apply the principles of ethics when performing responsibilities of a manager and evaluate their importance to the hospitality industry.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Hospitality Management (ATC)
Advanced Technical Certificate

Career-Technical Program
Interest Areas:
   Business Admin. and Management

The Hospitality Management program prepares students for entry-level management in the hospitality industry. Hospitality Management blends classroom instruction with hands-on learning in the areas of management, human resources, accounting, food and beverage operations, and lodging operations. An internship provides students with an opportunity to work in the field and be well prepared for future employment in restaurant, catering, hotels, and other segments of the hospitality industry.

Contact Information:
Physical Education, Dance, and Resort/Recreation Management Division
Winton Hall, Room 132
Phone: (208) 769-3409
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=99)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-165</td>
<td>Productivity Software for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>HOSP-100</td>
<td>Introduction to Hospitality and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-110</td>
<td>Front Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-111</td>
<td>Food Safety and Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-117</td>
<td>Careers in Hospitality</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>16-18</td>
<td></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOSP-102</td>
<td>Guest Focused Service</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-215</td>
<td>Bar Beverage Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-225</td>
<td>Event Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-235</td>
<td>Food Appreciation</td>
<td>4</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>or ENGL-101 Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101 Writing and Rhetoric I</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>16</td>
<td></td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUSA-265</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-140</td>
<td>Leadership Principles</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-250</td>
<td>Risk Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-110</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT-201 Principles of Accounting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUSA-221</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-230</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-290</td>
<td>Hospitality Field Experience</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>56-58</td>
<td></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Understand and apply the skills and knowledge necessary to work in various entry-level positions in the hospitality industry.
- Understand and discuss the characteristics of the hospitality industry.
- Utilize computer applications and software.
- Demonstrate proficiency in excellent guest services and conflict resolution.
- Function effectively individually and within team structures on various projects and assignments.
- Understand and utilize hospitality terminology with ease.
- Discuss and practice food safety.
- Identify tools common to the food service industry and demonstrate their appropriate use.
- Recognize various cooking principles and terminology.
- Compare various beverages and understand the responsibilities associated with serving alcohol.
- Plan and organize an event or meeting.
- Explain how functional areas within hotel are classified and how the departments interact and rely on each other.
- Develop and apply marketing and sales principles in the hospitality industry.
- Understand hospitality industry functions, their operations requirements, risks and revenue impact.
- Gain knowledge of the various roles and responsibilities of a manager and evaluate their importance to the hospitality industry.
Hospitality Management (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management

Hospitality Management provides an overview of the various departmental functions within the hospitality and tourism industry. Students will learn skills in general management, customer service, front office and rooms operations, event planning, safety and sanitation, food appreciation, and bar and beverage management and controls. Business ethics and effective communication skills are also emphasized. This one year certificate program offers the basic skills needed to start a career as a Hospitality Manager. Most graduates will enter the field as trainees or supervisors.

Contact Information:
Physical Education, Dance, and Resort/Recreation Management Division
Winton Hall, Room 132
Phone: (208) 769-3409
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=99)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-165</td>
<td>Productivity Software for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>HOSP-100</td>
<td>Introduction to Hospitality and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-110</td>
<td>Front Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-111</td>
<td>Food Safety and Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-117</td>
<td>Careers in Hospitality</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>16-18</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOSP-102</td>
<td>Guest Focused Service</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-215</td>
<td>Bar Beverage Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-225</td>
<td>Event Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>HOSP-235</td>
<td>Food Appreciation</td>
<td>4</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>32-34</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Understand and discuss the characteristics of the hospitality industry.
- Utilize computer applications and software.
- Demonstrate proficiency in excellent guest services and conflict resolution.
- Function effectively individually and within team structures on various projects and assignments.
- Understand and utilize hospitality terminology with ease.
- Discuss and practice food safety.
- Identify tools common to the food service industry and demonstrate their appropriate use.
- Recognize various cooking principles and terminology.
- Compare various beverages and understand the responsibilities associated with serving alcohol.
- Plan and organize an event or meeting.
- Explain how functional areas within hotel are classified and how the departments interact and rely on each other.
Humanities (AA)
Associate of Arts

Transfer Program
Interest Areas:
Arts, Comm., and Humanities

The Humanities program at NIC is grounded in an interdisciplinary approach to the liberal arts, including the fine arts of music, visual art, and theater; English literature and composition; history; philosophy; communication; and interdisciplinary studies. Courses in the humanities are excellent preparation for careers in the arts, business, law, and education. A degree in the humanities develops critical thinking skills that prepare students to succeed in an interconnected world. Courses require students to synthesize ideas from a range of disciplines and to think creatively when approaching complex problems. Students study and interact with a range of texts from diverse perspectives while working cooperatively, thinking, reading, speaking, writing, and engaging actively in experiential learning.

Completion of the required courses result in an associate of arts degree and meets the general core requirements at all Idaho public universities. The suggested coursework normally fulfills the first half of baccalaureate degree requirements. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
English & Humanities Division
Lee-Kildow Hall, Room 204C
Phone: (208) 769-3394
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=37)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education</td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td>Program Requirements</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMS-101</td>
<td>Montage: Introduction to the Humanities</td>
<td>3</td>
</tr>
<tr>
<td>INTR-200</td>
<td>Interdisciplinary Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:
- ENGL-205 Interdisciplinary Writing
- HUMS-205 Visual Texts and Culture
- HUMS-126 Film and Culture
- or CINA-126 Film and Culture
- HUMS-295 Themes in Humanities

Select 12 credits from the following subjects:
- ART Art

Elective Requirements Courses 100-level or higher 7-9

Total Credits 60-64

1 This General Education Requirement is met by the Program Requirements.

Course Key

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM</td>
<td>WICHE</td>
<td>Passport</td>
</tr>
<tr>
<td>Institutionally Designated</td>
<td>Gateway</td>
<td>Milestone</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:
- Use critical thinking to determine how specific works in the humanities reveal and/or reflect human values.
- Demonstrate an understanding of elements and terminology connected to genres and disciplines in the humanities.
- Use inquiry processes—including analysis, synthesis, and evaluation—to interpret specific works in the humanities.
- Communicate interpretations of artifacts and texts in the humanities with supporting evidence both in conversation and in writing.
- Demonstrate self-reflection and open-mindedness, showing respect for diverse perspectives when responding to the humanities’ wide range of works, genres, and disciplines.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Industrial Mechanic/Millwright (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Manufacturing and Trades

This 11-month program prepares students for employment as industrial plant maintenance mechanics or millwrights. Students learn the basics of maintenance, fabrication, installation and alignment of equipment used in modern industrial and manufacturing plants.

Theory classes provide technical information pertaining to welding, hydraulics, electricity, rigging, pipe fitting, mechanical drive/transmission systems, pumps and equipment installation and alignment.

Laboratory classes teach students to skillfully perform welding and fabrication tasks as well as the maintenance of hydraulic, electro/mechanical systems. The well-equipped lab includes the latest technology in laser alignment of rotating equipment. Blueprint reading and shop math are taught and used in all areas of training. A general education component of English, occupational relations and math is integrated into the program. Successful completion of the first semester or instructor permission is required to continue into the second semester and summer session.

Interested students should possess basic math skills (knowledge of basic Algebra and Geometry), Reading skills, and have a keen interest in mechanics. Placement in specific English and math classes is determined by the college assessment test.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=44)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM-150</td>
<td>Industrial Mechanics I</td>
<td>8</td>
</tr>
<tr>
<td>MM-151L</td>
<td>Industrial Mechanics Lab I</td>
<td>5</td>
</tr>
<tr>
<td>MM-155</td>
<td>Industrial Blueprints</td>
<td>2</td>
</tr>
<tr>
<td>MCTE-106</td>
<td>Technical Mathematics for Industrial Mechanic/ Millwright; HVAC; Welding</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TotalCredits</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Semester 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>MM-152</td>
<td>Industrial Mechanics II</td>
<td>7</td>
</tr>
<tr>
<td>MM-152L</td>
<td>Industrial Mechanics Lab II</td>
<td>5</td>
</tr>
<tr>
<td>MM-156</td>
<td>Industrial Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate safe work habits based on industry standards.
- Recognize, maintain, and safely use hand, power, and precision measuring tools common to the industrial plant maintenance mechanic.
- Identify and select appropriate fasteners used in common assembly and disassembly of mechanical devices.
- Analyze, select, and demonstrate the use of proper rigging to safely lift and move heavy equipment.
- Install, level, and align equipment and machinery according to industry standards.
- Identify pipes and associated fittings and valves, and demonstrate the ability to thread, fit, and repair piping systems.
- Install, maintain, and troubleshoot belt-, chain-, and gear-driven equipment.
- Identify, install, and precision align couplings and shafts.
- Identify, fit, and maintain bearings.
- Install, maintain, and troubleshoot centrifugal pumps.
- Understand general maintenance and repair of compressors.
- Demonstrate the ability to safely maintain and troubleshoot simple electric motor and control circuits.
- Demonstrate competent skills using cutting and welding processes to repair and maintain industry equipment.
- Install, maintain, and troubleshoot hydraulic systems.
- Visualize and interpret industry blueprints.
- Demonstrate the ability to solve problems using basic math, algebra, geometry, and trigonometry concepts.
- Identify and demonstrate basic skills needed to function effectively in the workplace.
- Develop interactive workplace communications and apply to relationships appropriate to procedures in an industrial plant work environment.
Interdisciplinary Studies (AA)
Associate of Arts

Transfer Program
Interest Areas:
  Arts, Comm., and Humanities

NIC’s interdisciplinary associate’s degree program helps students to develop critical and creative thinking skills that will prepare them to succeed in a complex, interconnected world and in a variety of professions. Students choose two areas of focus from two different departments. In interdisciplinary classes and other courses taught by faculty participating in the program, students are encouraged to recognize and make connections among disciplines and reflect on integrated themes. Experiential learning, writing and speaking across the curriculum, collaborative learning, and individualized advising unite faculty and students in the program.

Completion of the following required courses result in an associate of arts degree and meets the general core requirements defined by intended transfer institutions. Collaboration among NIC and Coeur d’Alene campuses of the University of Idaho and Lewis-Clark State College make a local baccalaureate degree in Interdisciplinary Studies accessible.

Contact Information:
English & Humanities Division
Lee-Kildow Hall, Room 204C
Phone: (208) 769-3394
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=39)

Program Outcomes

Upon completion of the program, students will be able to:

- Explain the broad field of interdisciplinary studies using vocabulary and skills involved in integrative, interdisciplinary thinking and problem-solving.
- Apply interdisciplinary methods and concepts to the study of academic and community themes.
- View academic and community themes from the perspective of multiple disciplines.
- Perceive connections among disciplines, integrating conflicting disciplinary viewpoints to produce a more comprehensive understanding of themes.
- Synthesize interdisciplinary concepts and communicate an integrated perspective through writing and speaking in individual and group assignments.
- Apply interdisciplinary concepts and methods to the integration of two specific disciplines chosen for a career or college transfer pathway.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

HUMS-101 Montage: Introduction to the Humanities 3
INTR-200 Interdisciplinary Seminar 3

Elective Requirements
Minimum General Electives in first area of focus 9
Minimum General Electives in second area of focus 9
Courses 100-level or higher 4-6

Total Credits 60-64

1 This General Education Requirement is met by the Program Requirements.
Journalism (AA)
Associate of Arts

Transfer Program
Interest Areas:
Arts, Comm., and Humanities

This program improves writing skills while preparing students for careers in journalism or communication. COMJ courses focus on improving the skills needed to disseminate engaging content on multiple platforms. Students mix theoretical training with practical experience by working as staff on the national award-winning NIC publication, The Sentinel (http://www.nicsentinel.com), its multimedia website, and social media accounts.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested coursework normally fills the first half of baccalaureate degree requirements in Journalism. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Communication & Fine Arts Division
Boswell Hall, Room 144
Phone: (208) 769-3276
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=40)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1 - Written Communication</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>GEM 2 - Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>GEM 4 - Scientific Ways of Knowing</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>GEM 5 - Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEM 6 - Social and Behavioral Ways of Knowing</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>GEM 7 - Institutionally Designated</td>
<td>4-6</td>
<td></td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMJ-100</td>
<td>The Sentinel</td>
<td>1-2</td>
</tr>
<tr>
<td>COMJ-121</td>
<td>Introduction to Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMJ-140</td>
<td>Mass Media in a Free Society</td>
<td>3</td>
</tr>
<tr>
<td>COMJ-222</td>
<td>Modern Reporting and Podcasting</td>
<td>3</td>
</tr>
<tr>
<td>COMM-111</td>
<td>Interview Techniques</td>
<td>2</td>
</tr>
<tr>
<td>PHTO-183</td>
<td>Introduction to Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHTO-289</td>
<td>Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-103</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL-201</td>
<td>Logic and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC-101</td>
<td>Introduction to Psychology</td>
<td></td>
</tr>
</tbody>
</table>

Elective Requirements

Courses 100-level or higher | 6-9

Total Credits | 60-65

1 This General Education Requirement is partially met by the Program Requirements.
2 This General Education Requirement is met by the Program Requirements.

Recommended Elective Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-293</td>
<td>Creative Writing: Literary Nonfiction</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Key

<table>
<thead>
<tr>
<th>GEM</th>
<th>WICHE</th>
<th>AAS</th>
<th>Passport</th>
<th>Institutionally Designated</th>
<th>Gateway</th>
<th>Milestone</th>
</tr>
</thead>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Compose and edit content in an industry-approved format on a variety of platforms for the modern newsroom.
- Report information with balanced and objective treatment by avoiding personal bias and using proper grammar and punctuation.
- Identify and explain fundamental issues, concepts and events concerning media history, law and ethics.
- Demonstrate the ability to think critically by gathering and researching relevant facts, choosing and interviewing appropriate sources, analyzing data, and evaluating information for accuracy and newsworthiness.
- Identify the traits of a media literate consumer and develop strategies for critically analyzing and discussing media messages.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
The term “police” has been defined as a governmental entity, whether city, county, state, or national that is relied upon to maintain order, keep the peace, detect and prevent crime, respond to and provide emergency services, and enforce criminal law. The North Idaho College (NIC) Law Enforcement program provides professionalism through training to newly hired officers of law enforcement agencies and students seeking employment in law enforcement. The Basic Patrol Academy is designed in a police academy format, accredited by the Idaho Peace Officers Standards and Training (P.O.S.T) Council. The academy meets five days per week, approximately eight hours per day for one semester. Approximately 45 local law enforcement experts teach more than 60 law enforcement topics, sharing a wide array of experience and knowledge with students in the classroom, in the mat room, in the field skills training, and through scenario-based training.

North Idaho College offers three levels of certification in Law Enforcement from which the student may choose: the Basic Technical Certificate, which is awarded upon completion of the Basic Patrol Academy, the Intermediate Technical Certificate, or the Associate of Applied Science (AAS) Degree.

Please see the specific program requirements for each certificate or the AAS degree. To successfully complete the Basic Patrol Academy, students will be required to pass all P.O.S.T. requirements for physical fitness, marksmanship, and P.O.S.T. written, field skills, and certification tests. Upon successful completion of the Basic Patrol Academy, students are eligible to take the P.O.S.T. Challenge Exam for Peace Officer Certification in Idaho.

The North Idaho College Basic Patrol Academy is accredited by the Idaho Peace Officer Standards and Training Council (P.O.S.T.) Therefore, as a selective admissions program, there are several admission requirements, which include an oral interview, entrance assessment, background check (to include fingerprint submittal, polygraph examination, psychological evaluation), and medical, vision, and hearing examinations. Fees for these tests are the student’s responsibility. In addition to the NIC Basic Patrol Academy application, P.O.S.T. also requires an application which is submitted online for P.O.S.T. approval to attend. Upon acceptance into the Basic Patrol Academy, students will be required to purchase and wear NIC Basic Patrol Academy and physical fitness uniforms while in class.

This is a selective-entry program. For program specific requirements, please refer to the program website.

**CERTIFIED LAW ENFORCEMENT PROFESSIONALS** Students who successfully complete the Basic Patrol Academy will be given credit for LAWE-161, LAWE-162, AND LAWE-163.

---

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cj-103</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-202</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>PE-288</td>
<td>First Aid</td>
<td>3</td>
</tr>
<tr>
<td>POLS-275</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL-103</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC-205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-211</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PE-226</td>
<td>Stress Management</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC-102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC-220</td>
<td>Marriage and Family</td>
<td></td>
</tr>
<tr>
<td>SOC-251</td>
<td>Race and Ethnic Relations</td>
<td></td>
</tr>
<tr>
<td>INTR-250A</td>
<td>Death and Dying: A Sociocultural, Historical, and Biological Perspective</td>
<td></td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAWE-161</td>
<td>Basic Police Law and Professional Orientation</td>
<td>7</td>
</tr>
<tr>
<td>LAWE-162</td>
<td>Police Procedures and Investigations</td>
<td>8</td>
</tr>
<tr>
<td>LAWE-163</td>
<td>Enforcement and Field Skills for Patrol Officers</td>
<td>7</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>22</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>61-63</td>
</tr>
</tbody>
</table>

**Program Outcomes**

Upon completion of the program, students will be able to:

- Analyze and understand the history, development, philosophy, and ethics of the American criminal justice system.
- Demonstrate an understanding of the national and state constitutional guidelines and terminology of the criminal justice system.
• Identify and describe the structure and functions of the main components of the criminal justice system: law enforcement, courts, corrections, and juvenile justice.

• Exhibit an understanding of how human elements can affect causes of crime, treatment, and response to the criminal justice system.

• Communicate effectively, in both written and oral forms, to varied audiences to serve diverse purposes as part of their studies at NIC and beyond.

• Think quantitatively, evaluate data, and draw conclusions using sound mathematical principles and practices.

• Use social science reasoning to inquire, critically consume relevant information, and develop insights on individual, social, community and world problems and questions.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Law Enforcement (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
Business Admin. and Management
Soc. Sciences and Human Svrs.

This program is designed to train newly-hired law enforcement officers, as well as to prepare students who wish to be employed in law enforcement. Students may elect to complete the Basic Technical Certificate, the Intermediate Technical Certificate, or the Associate of Applied Science Degree requirements. This program consists of approximately 15 weeks of Peace Officer Standards and Training (P.O.S.T.) approved Basic Patrol Academy curriculum. To successfully complete the Basic Patrol Academy, students will be required to pass all P.O.S.T. requirements for physical fitness, marksmanship, and P.O.S.T. written, practical exercises, and certification tests.

This is a selective admissions program and applicants will be required to undergo a complete background check, including fingerprinting, a polygraph examination, a psychological evaluation, and an oral interview. Applicants must also pass P.O.S.T. required medical, vision, and hearing exams, and will be required to pass the P.O.S.T. Physical Readiness Test. Fees for these tests will be the student's responsibility.

Upon acceptance into the Basic Patrol Academy, students will be required to purchase and wear Academy and physical fitness uniforms while in class.

This is a selective-entry program. For program specific requirements please refer to the program website.

CERTIFIED LAW ENFORCEMENT PROFESSIONALS Students who successfully complete the Basic Patrol Academy will be given credit for LAWE-161, LAWE-162, and LAWE-163.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=41)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE-288</td>
<td>First Aid</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-103 or PSYC-101</td>
<td>Introduction to Ethics or Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ECTE-100 or ENGL-101</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>12-14</td>
</tr>
</tbody>
</table>

| Semester 2 |                                            |         |
| LAWE-161   | Basic Police Law and Professional Orientation | 7       |
| LAWE-162   | Police Procedures and Investigations        | 8       |

Program Outcomes

Upon completion of the program, student will be able to:

- Describe the social influence of local communities and how to best deliver police services.
- Describe the criminal justice system and criminal procedures.
- Demonstrate an understanding of the importance of ethics, community relations, crime prevention, professionalism, and other components necessary to build a strong working relationship between police personnel and the community.
- Demonstrate a level of physical conditioning that is appropriate for the performance of a law enforcement officer.
- Demonstrate proper discipline and personal accountability expected in the law enforcement profession.
- Understand and apply principles and procedures for effective communication and human relations with people from varied backgrounds.
- Conduct research and correctly gather, analyze, preserve, and interpret information, artifacts and evidence.
- Through written and physical skills exams, demonstrate knowledge in core competencies and defensive and control skills as mandated by P.O.S.T for entry-level Idaho peace officers.
- Through scenario testing monitored by experienced police officers, demonstrate proficiency in investigative and human relations skills and core competencies as mandated by P.O.S.T for entry-level Idaho peace officers.
- Effectively communicate verbally and in writing in law enforcement and public safety-related contexts.
- Employ computation skills appropriate to the law enforcement profession.
- Recognize and demonstrate first aid skills in a variety of emergency situations.
- Use social science reasoning to inquire, critically consume relevant information, and develop insights on individual, social, community and world problems and questions.
Law Enforcement (BTC)

Basic Technical Certificate

Career-Technical Program
Interest Areas:
- Business Admin. and Management
- Soc. Sciences and Human Srvs.

This program is designed to train newly-hired law enforcement officers, as well as to prepare students who wish to be employed in law enforcement. Students may elect to complete the Basic Technical Certificate, the Intermediate Technical Certificate, or the Associate of Applied Science Degree requirements. This program consists of approximately 15 weeks of Peace Officer Standards and Training (P.O.S.T.) approved Basic Patrol Academy curriculum. To successfully complete the Basic Patrol Academy, students will be required to pass all P.O.S.T. requirements for physical fitness, marksmanship, and P.O.S.T. written, practical exercises, and certification tests.

This is a selective admissions program and applicants will be required to undergo a complete background check, including fingerprinting, a polygraph examination, a psychological evaluation, and an oral interview. Applicants must also pass P.O.S.T. required medical, vision, and hearing exams, and will be required to pass the P.O.S.T. Physical Readiness Test. Fees for these tests will be the student’s responsibility.

Upon acceptance into the Basic Patrol Academy, students will be required to purchase and wear Academy and physical fitness uniforms while in class.

This is a selective-entry program. For program specific requirements please refer to the program website.

CERTIFIED LAW ENFORCEMENT PROFESSIONALS Students who successfully complete the Basic Patrol Academy will be given credit for LAWE-161, LAWE-162, and LAWE-163.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=41)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWE-161</td>
<td>Basic Police Law and Professional Orientation</td>
<td>7</td>
</tr>
<tr>
<td>LAWE-162</td>
<td>Police Procedures and Investigations</td>
<td>8</td>
</tr>
<tr>
<td>LAWE-163</td>
<td>Enforcement and Field Skills for Patrol Officers</td>
<td>7</td>
</tr>
</tbody>
</table>

Total Credits 22

Program Outcomes

Upon completion of the program, students will be able to:

- Describe the social influence of local communities and how to best deliver police services.
- Describe the criminal justice system and criminal procedures.
- Demonstrate an understanding of the importance of ethics, community relations, crime prevention, professionalism, and other components necessary to build a strong working relationship between police personnel and the community.
- Demonstrate a level of physical conditioning that is appropriate for the performance of a law enforcement officer.
- Demonstrate proper discipline and personal accountability expected in the law enforcement profession.
- Understand and apply principles and procedures for effective communication and human relations with people from varied backgrounds.
- Conduct research and correctly gather, analyze, preserve, and interpret information, artifacts and evidence.
- Through written and physical skills exams, demonstrate knowledge in core competencies and defensive and control skills as mandated by P.O.S.T for entry-level Idaho peace officers.
- Through scenario testing monitored by experienced police officers, demonstrate proficiency in investigative and human relations skills and core competencies as mandated by P.O.S.T for entry-level Idaho peace officers.
Machining and CNC Technology (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:
- Manufacturing and Trades
- Science, Tech., Engr. and Math

This program prepares students for entry-level employment in the machining and manufacturing industries. The curriculum features basic to advanced machining concepts involving various machine tools such as conventional lathes, mills, grinders, and their Computer Numerical Control (CNC) counterparts. Coursework also involves blueprint reading, geometric dimensioning and tolerancing, shop math, and statistical and mechanical measurements. The second year of the program places emphasis in CNC and CAD/CAM systems and geometric dimensioning and tolerancing in preparation for employment in computerized manufacturing processes. Opportunity to certify in MasterCAM Mill is available to students who successfully complete the program.

Successful completion of each semester or permission of the instructor is required to continue into the next semester. Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended. Placement in specific English and Math classes is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:
- Trades & Industry Division
- Parker Technical Education Center
- 7064 West Lancaster Road
- Rathdrum, ID 83858
- Phone: (208) 769-3448
- Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=43)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MACH-150</td>
<td>Machining Technology Theory I</td>
<td>6</td>
</tr>
<tr>
<td>MACH-151L</td>
<td>Machining Technology Lab I</td>
<td>6</td>
</tr>
<tr>
<td>MACH-171</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>17-19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MACH-152L</td>
<td>Machining Technology Lab II</td>
<td>5</td>
</tr>
<tr>
<td>MACH-160</td>
<td>Manufacturing Processes</td>
<td>4</td>
</tr>
<tr>
<td>MACH-172</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Utilize shop terms, language, and vocabulary to describe processes and methods as well as the machinery, their accessories and uses.
- Utilize mathematical skills to calculate, plan, and execute a variety of machine produced forms and components in a cost-effective, safe, and professional manner.
- Critically evaluate and comprehend how the trade of machinist fits within the matrix of global economics and competitive pressures.
- Safely and efficiently perform basic and advanced machine setups and run required operations on conventional lathes, mills, surface grinders, and saws.
- Safely and efficiently perform basic and advanced operations using powered and non-powered hand tools.
- Perform basic and advanced mechanical measurements using correct technique and equipment, and make corrections based on measured observations.
- Select the proper process and sequencing of machining operations and make rational choices (based on observational evidence) when confronted with problems and conflicts.
- Interpret, comprehend and produce a detailed and effective manufacturing plan from a blueprint, engineering sketches, related digital documents, or verbal instructions.
- Calculate inferred dimensional information and tolerances from a blueprint to industry standards.
- Use a computer to word process, create spreadsheets, and access the Internet.
- Understand the various principles and historical perspectives that form manufacturing strategies in today's business enterprises.
- Describe and model proper work habits, and employ communication practices and computation skills appropriate to the manufacturing industry.
- Transfer knowledge of conventional machine setups to programmable machine controls and write programs to run CNC mills, lathes and grinders.
• Use CAD/CAM application software to produce drawings, tool paths, and NC Code to CNC Software Certification Standards.
• Use conversational language techniques to program CNC machines.
• Demonstrate the ability to sketch orthographic projections from 3-D renditions and vice-versa.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
**Machining and CNC Technology (ATC)**

**Advanced Technical Certificate**

**Career-Technical Program**

**Interest Areas:**

- Manufacturing and Trades
- Science, Tech., Engr. and Math

This program prepares students for entry-level employment in the machining and manufacturing industries. The curriculum features basic to advanced machining concepts involving various machine tools such as conventional lathes, mills, grinders, and their Computer Numerical Control (CNC) counterparts. Coursework also involves blueprint reading, geometric dimensioning and tolerancing, shop math, and statistical and mechanical measurements. The second year of the program places emphasis in CNC and CAD/CAM systems and geometric dimensioning and tolerancing in preparation for employment in computerized manufacturing processes. Opportunity to certify in MasterCAM Mill is available to students who successfully complete the program.

Successful completion of each semester or permission of the instructor is required to continue into the next semester. Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended. Placement in specific English and Math classes is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor’s permission.

**Contact Information:**

Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MACH-150</td>
<td>Machining Technology Theory I</td>
<td>6</td>
</tr>
<tr>
<td>MACH-151L</td>
<td>Machining Technology Lab I</td>
<td>6</td>
</tr>
<tr>
<td>MACH-171</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>MCTE-105</td>
<td>Technical Mathematics for Machining and Computer Aided Design Technologies</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>MACH-152L</td>
<td>Machining Technology Lab II</td>
<td>5</td>
</tr>
<tr>
<td>MACH-160</td>
<td>Manufacturing Processes</td>
<td>4</td>
</tr>
<tr>
<td>MACH-172</td>
<td>Blueprint Reading II</td>
<td>2</td>
</tr>
<tr>
<td>ECTE-100 or ENGL-101</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MACH-231</td>
<td>Computers in Machining</td>
<td>3</td>
</tr>
</tbody>
</table>

**Course Key**

- GEM
- WIHE
- AAS
- passport
- Institutionally Designated

**Program Outcomes**

Upon completion of the program, students will be able to:

- Utilize shop terms, language, and vocabulary to describe processes and methods as well as the machinery, their accessories and uses.
- Utilize mathematical skills to calculate, plan, and execute a variety of machine produced forms and components in a cost-effective, safe, and professional manner.
- Critically evaluate and comprehend how the trade of machinist fits within the matrix of global economics and competitive pressures.
- Safely and efficiently perform basic and advanced machine setups and run required operations on conventional lathes, mills, surface grinders, and saws.
- Safely and efficiently perform basic and advanced operations using powered and non-powered hand tools.
- Perform basic and advanced mechanical measurements using correct technique and equipment, and make corrections based on measured observations.
- Select the proper process and sequencing of machining operations and make rational choices (based on observational evidence) when confronted with problems and conflicts.
- Interpret, comprehend and produce a detailed and effective manufacturing plan from a blueprint, engineering sketches, related digital documents, or verbal instructions.
- Calculate inferred dimensional information and tolerances from a blueprint to industry standards.
- Use a computer to word process, create spreadsheets, and access the Internet.
- Understand the various principles and historical perspectives that form manufacturing strategies in today’s business enterprises.
- Describe and model proper work habits, and employ communication practices and computation skills appropriate to the manufacturing industry.
- Transfer knowledge of conventional machine setups to programmable machine controls and write programs to run CNC mills, lathes and grinders.
- Use CAD/CAM application software to produce drawings, tool paths, and NC Code to CNC Software Certification Standards.
• Use conversational language techniques to program CNC machines.
• Demonstrate the ability to sketch orthographic projections from 3-D renditions and vice-versa.
Machining and CNC Technology (ITC)  
Intermediate Technical Certificate

Career-Technical Program  
Interest Areas:  
Manufacturing and Trades  
Science, Tech., Engr. and Math

This program prepares students for entry-level employment in the machining and manufacturing industries. The curriculum features basic to advanced machining concepts involving various machine tools such as conventional lathes, mills, grinders, and their Computer Numerical Control (CNC) counterparts. Coursework also involves blueprint reading, geometric dimensioning and tolerancing, shop math, and statistical and mechanical measurements. The second year of the program places emphasis in CNC and CAD/CAM systems and geometric dimensioning and tolerancing in preparation for employment in computerized manufacturing processes. Opportunity to certify in MasterCAM Mill is available to students who successfully complete the program.

Successful completion of each semester or permission of the instructor is required to continue into the next semester. Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended. Placement in specific English and Math classes is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:  
Trades & Industry Division  
Parker Technical Education Center  
7064 West Lancaster Road  
Rathdrum, ID 83858  
Phone: (208) 769-3448  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=43)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MACH-150</td>
<td>Machining Technology Theory I</td>
<td>6</td>
</tr>
<tr>
<td>MACH-151L</td>
<td>Machining Technology Lab I</td>
<td>6</td>
</tr>
<tr>
<td>MACH-171</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>MCTE-105</td>
<td>Technical Mathematics for Machining and Computer Aided Design Technologies</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>MACH-152L</td>
<td>Machining Technology Lab II</td>
<td>5</td>
</tr>
<tr>
<td>MACH-160</td>
<td>Manufacturing Processes</td>
<td>4</td>
</tr>
<tr>
<td>MACH-172</td>
<td>Blueprint Reading II</td>
<td>2</td>
</tr>
<tr>
<td>ECTE-100 or ENGL-101</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

Course Key

GEM WICHE AAS Gateway Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Utilize shop terms, language, and vocabulary to describe processes and methods as well as the machinery, their accessories and uses.
- Utilize mathematical skills to calculate, plan, and execute a variety of machine produced forms and components in a cost-effective, safe, and professional manner.
- Critically evaluate and comprehend how the trade of machinist fits within the matrix of global economics and competitive pressures.
- Safely and efficiently perform basic and advanced machine setups and run required operations on conventional lathes, mills, surface grinders, and saws.
- Safely and efficiently perform basic and advanced operations using powered and non-powered hand tools.
- Perform basic and advanced mechanical measurements using correct technique and equipment, and make corrections based on measured observations.
- Select the proper process and sequencing of machining operations and make rational choices (based on observational evidence) when confronted with problems and conflicts.
- Interpret, comprehend and produce a detailed and effective manufacturing plan from a blueprint, engineering sketches, related digital documents, or verbal instructions.
- Calculate inferred dimensional information and tolerances from a blueprint to industry standards.
- Use a computer to word process, create spreadsheets, and access the Internet.
- Understand the various principles and historical perspectives that form manufacturing strategies in today’s business enterprises.
- Describe and model proper work habits, and employ communication practices and computation skills appropriate to the manufacturing industry.
Mathematics (AS)
Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

This program leads to careers in teaching, industry, government, actuarial work, or as support for many science disciplines. The mathematics background assumed for entry is four years of high school mathematics through pre-calculus and trigonometry. These entry-level courses, if needed, are also available through the college. Completion of the following courses normally fulfills the first half of bachelor degree requirements in Math. Course selections should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Math, Computer Science and Engineering Division
Seiter Hall, Room 214
Phone: (208) 665-4521
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=45)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing ¹</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing ²</td>
<td>4</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-150</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH-175</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH-187</td>
<td>Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MATH-275</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH-335</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH-370</td>
<td>Introductions to Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-211</td>
<td>Engineering Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-212</td>
<td>Engineering Physics II</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Credits 65-67

¹ This General Education Requirement is met by the Program Requirements.
² This General Education Requirement is partially met by the Program Requirements.

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate fundamental manipulative skills in algebra, geometry, trigonometry, and calculus.
- Formulate, solve, and interpret mathematical problems using appropriate mathematical language and notation.
- Investigate and apply mathematical problems and solutions in a variety of contexts related to science, technology, business and industry, and illustrate these solutions using symbolic, numeric, or graphical methods.
- Communicate mathematical ideas in oral, written, and symbolic forms.
- Assess and interpret complex situations, choose among several potentially appropriate mathematical methods of solution, and present full and clear solutions that include appropriate justification for their reasoning.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Mechanical Design Engineering Technology (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:
Manufacturing and Trades
Science, Tech., Engr. and Math

The Mechanical Design Engineering Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Intermediate Technical Certificate, a four-semester Advanced Technical Certificate, or a four-semester Associate of Applied Science Degree. Mechanical Design Engineering Technology places heavy emphasis on design and manufacturing principles with computer aided design applications. Portions of the Associate of Applied Science Degree options may transfer to various four-year institutions.

Current industry professionals may enroll in a single course on a space-available basis with instructor permission.

Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewProgram.aspx?program_id=104)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-165</td>
<td>Productivity Software for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>MACH-150</td>
<td>Machining Technology Theory I</td>
<td>6</td>
</tr>
<tr>
<td>MCTE-105</td>
<td>Technical Mathematics for Machining and Computer Aided Design Technologies</td>
<td>3</td>
</tr>
<tr>
<td>MDET-110</td>
<td>SolidWorks Basic</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>17</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>MACH-201</td>
<td>Design for Manufacturing</td>
<td>1</td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra (or higher)</td>
<td>3</td>
</tr>
<tr>
<td>MDET-115</td>
<td>Basic Mechanical Design</td>
<td>4</td>
</tr>
<tr>
<td>MDET-120</td>
<td>Intermediate SolidWorks</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>14</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MACH-231</td>
<td>Computers in Machining</td>
<td>3</td>
</tr>
<tr>
<td>MDET-210</td>
<td>Advanced SolidWorks Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MDET-215</td>
<td>Industrial Process</td>
<td>3</td>
</tr>
<tr>
<td>MDET-220</td>
<td>Geometric Dimension and Tolerancing</td>
<td>3</td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>15</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL-202</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>MDET-225</td>
<td>Machines and Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>MDET-230</td>
<td>Advanced Mechanical Design</td>
<td>4</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate basic three-dimensional (3D) Computer Aided Design (CAD) software commands, in a related pedagogical sequence to generate geometric constructs to create parametric feature-based geometry methodology for parts, assemblies, and drawings.
- Use Microsoft Office for Word, Excel, and PowerPoint as well as the internet.
- Apply mathematical skills to plan, calculate and execute precision measuring techniques to validate design and manufacturing applications for parts and assemblies.
- Interpret and apply American National Standards Institute (ANSI) standards to produce detailed working drawings used in contemporary manufacturing industries.
- Demonstrate appropriate work relationships and habits, communication and computational skills used in contemporary technical industries.
- Demonstrate form, fit, and functional requirements with parametric feature-based modeling methodology.
- Create, evaluate, and validate 3-D part functionality by utilizing CAD/CAM software and additive manufacturing technology.
- Interpret, calculate and demonstrate the application of Geometric Dimensioning & Tolerancing in accordance with AMSE Y14.5 standards.
- Use Technical mathematical skills to calculate and predict statics and strength of materials and/or Kinematic analysis for mechanisms.
- Apply basics and intermediate design principles for mechanical design in accordance with manufacturing processes.
- Demonstrate product cycle methodology, incorporating accumulated curriculum skill sets to plan, design, construct, for final design project.
- Demonstrate ability to think quantitatively, evaluate data, and draw conclusions using sound mathematical principles and practices.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Mechanical Design Engineering Technology (ATC)

Advanced Technical Certificate

Career-Technical Program
Interest Areas:
Manufacturing and Trades
Science, Tech., Engr. and Math

The Mechanical Design Engineering Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Intermediate Technical Certificate, a four-semester Advanced Technical Certificate, or a four-semester Associate of Applied Science Degree. Mechanical Design Engineering Technology places heavy emphasis on design and manufacturing principles with computer aided design applications. Portions of the Associate of Applied Science Degree options may transfer to various four-year institutions.

Current industry professionals may enroll in a single course on a space-available basis with instructor permission.

Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewProgram.aspx?program_id=104)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-165</td>
<td>Productivity Software for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>MACH-150</td>
<td>Machining Technology Theory I</td>
<td>6</td>
</tr>
<tr>
<td>MCTE-105</td>
<td>Technical Mathematics for Machining and Computer Aided Design Technologies</td>
<td>3</td>
</tr>
<tr>
<td>MDET-110</td>
<td>SolidWorks Basic</td>
<td>4</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>ENTP-105</td>
<td>Entrepreneurship Skills</td>
<td>3</td>
</tr>
<tr>
<td>MACH-201</td>
<td>Design for Manufacturing</td>
<td>1</td>
</tr>
<tr>
<td>MDET-115</td>
<td>Basic Mechanical Design</td>
<td>4</td>
</tr>
<tr>
<td>MDET-120</td>
<td>Intermediate SolidWorks</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MACH-231</td>
<td>Computers in Machining</td>
<td>3</td>
</tr>
<tr>
<td>MDET-210</td>
<td>Advanced SolidWorks Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MDET-215</td>
<td>Industrial Process</td>
<td>3</td>
</tr>
<tr>
<td>MDET-220</td>
<td>Geometric Dimension and Tolerancing</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL-202</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>MDET-225</td>
<td>Machines and Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>MDET-230</td>
<td>Advanced Mechanical Design</td>
<td>4</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

• Demonstrate basic three-dimensional (3D) Computer Aided Design (CAD) software commands, in a related pedagogical sequence to generate geometric constructs to create parametric feature-based geometry methodology for parts, assemblies, and drawings.

• Use Microsoft Office for Word, Excel, and PowerPoint as well as access the internet.

• Apply mathematical skills to plan, calculate, and execute precision measuring techniques to validate design and manufacturing applications for parts and assemblies.

• Interpret and apply American National Standards Institute (ANSI) standards to produce detailed working drawings used in contemporary manufacturing industries.

• Demonstrate appropriate work relationships and habits, communication and computational skills used in contemporary technical industries.

• Demonstrate form, fit, and functional requirements with parametric feature-based modeling methodology.

• Create, evaluate, and validate 3-D part functionality by utilizing CAD/CAM software and additive manufacturing technology.

• Interpret, calculate, and demonstrate the application of Geometric Dimensioning & Tolerancing in accordance with AMSE Y4.5 standards.

• Use technical mathematical skills to calculate and predict statics and strength of materials and/or Kinematic analysis for mechanisms.

• Apply basic and intermediate design principles for mechanical design in accordance with manufacturing processes.

• Demonstrate product cycle methodology, incorporating accumulated curriculum skill sets to plan, design, construct, for final design project.

• Demonstrate ability to think quantitatively, evaluate data, and draw conclusions using sound mathematical principles and practices.
Mechanical Design Engineering Technology (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
- Manufacturing and Trades
- Science, Tech., Engr. and Math

The Mechanical Design Engineering Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Intermediate Technical Certificate, a four-semester Advanced Technical Certificate, or a four-semester Associate of Applied Science Degree. Mechanical Design Engineering Technology places heavy emphasis on design and manufacturing principles with computer aided design applications. Portions of the Associate of Applied Science Degree options may transfer to various four-year institutions.

Current industry professionals may enroll in a single course on a space-available basis with instructor permission.

Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewProgram.aspx?program_id=104)

Program Requirements

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CAOT-165</td>
<td>Productivity Software for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MACH-150</td>
<td>Machining Technology Theory I</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>MCTE-105</td>
<td>Technical Mathematics for Machining and Computer Aided Design Technologies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MDET-110</td>
<td>SolidWorks Basic</td>
<td>4</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Semester 2</td>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>ENTP-105</td>
<td>Entrepreneurship Skills</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MACH-201</td>
<td>Design for Manufacturing</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MDET-115</td>
<td>Basic Mechanical Design</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MDET-120</td>
<td>Intermediate SolidWorks</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Course Key

GEM  WICHE  AAS  Gateway  Milestone
Passport  Institutionally Designated

Program Outcomes
Upon completion of the program, students will be able to:

- Demonstrate basic three-dimensional (3D) Computer Aided Design (CAD) software commands, in a related pedagogical sequence to generate geometric constructs to create parametric feature-based geometry methodology for parts, assemblies, and drawings.
- Use Microsoft Office for Word, Excel, and PowerPoint as well as access the internet.
- Utilize mathematical skills to plan, calculate and execute precision measuring techniques to validate design and manufacturing applications for parts and assemblies.
- Interpret and apply American National Standards Institute (ANSI) standards to produce detailed working drawings used in contemporary manufacturing industries.
- Demonstrate appropriate work relationships and habits, communication, and computational skills used in contemporary technical industries.
Mechatronics (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
• Manufacturing and Trades

Mechatronics is a multifaceted field that utilizes many areas of mechanics including electronics, automation, computers, hydraulics, programmable logic controllers, electrical systems, and mechanical systems. The Mechatronics program is designed to prepare students for employment as entry-level technicians, and emphasizes extensive practical experience in both theory and laboratory settings using mock-up equipment and assemblies similar to those found in industry. Instruction includes theory, troubleshooting, and hands-on application in mechatronic concepts and principles, programmable logic controllers, pneumatics, AC and DC electrical systems, and motor controls. Successful completion of both the Mechatronics Program and Industrial Mechanic/Millwright Program and associated general education coursework will lead to an Advanced Technical Certificate or A.A.S. Degree in Mechatronics.

Successful completion of each semester or permission of the instructor is required to continue into successive semesters. Placement in specific English and Math courses is determined by the college assessment test. Prospective students who do not meet the initial eligibility requirements will need to take selected courses to receive necessary skill-building prior to entering the program.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website: (https://www.nic.edu/programs/viewprogram.aspx?program_id=107)

Program Outcomes
Upon completion of the program, students will be able to:
• Adhere to safety, health and environmental rules and regulations.
• Selection and safe use of hand and power tools.
• Accurately use precision measurement tools.
• Install and test components in a basic hydraulic circuit.
• Troubleshoot industrial hydraulic circuits.
• Interpret fluid power schematics.
• Troubleshoot industrial pneumatic circuits.
• Install and test components on industrial pneumatic circuits.
• Perform machine maintenance procedures.
• Perform preventative maintenance.
• Perform predictive maintenance.
• Perform systems troubleshooting methodologies.
• Install and test AC and DC electrical motors.
• Interpret electrical control power schematics.
• Install and test electro-fluid power components and circuits.
• Perform power transmission troubleshooting.
• Perform troubleshooting and maintenance on PLC's.
• Create a basic PLC ladder style program.
• Install and test basic PLC components.
• Perform SMAW, GTAW, and GMAW welding procedures.
• Perform oxy-acetylene cutting procedures.
• Perform mechanical drive system repair procedures.
• Perform equipment installation and alignment.
• Interpret industrial blueprints.
• Perform maintenance on seals and pumps.
• Perform maintenance on bearings and packings.
• Adhere and perform safe rigging practices.
• Perform advanced electrical motor control troubleshooting procedures.
• Perform service and maintenance on conveyor systems.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MM-150</td>
<td>Industrial Mechanics I</td>
<td>8</td>
</tr>
<tr>
<td>MM-151L</td>
<td>Industrial Mechanics Lab I</td>
<td>5</td>
</tr>
<tr>
<td>MM-155</td>
<td>Industrial Blueprints</td>
<td>2</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>18-20</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MM-152</td>
<td>Industrial Mechanics II</td>
<td>7</td>
</tr>
<tr>
<td>MM-152L</td>
<td>Industrial Mechanics Lab II</td>
<td>5</td>
</tr>
<tr>
<td>MM-156</td>
<td>Industrial Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>MECH-210</td>
<td>Mechatronics I</td>
<td>5</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MECH-220</td>
<td>Advanced Mechatronics II</td>
<td>4</td>
</tr>
<tr>
<td>MECH-220L</td>
<td>Advanced Mechatronics Lab II</td>
<td>4</td>
</tr>
<tr>
<td>MECH-221</td>
<td>Advanced Programmable Logic Controllers II</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>68-70</td>
</tr>
</tbody>
</table>
Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Mechatronics (ATC)
Advanced Technical Certificate

Career-Technical Program
Interest Areas:
  Manufacturing and Trades

Mechatronics is a multifaceted field that utilizes many areas of mechanics including electronics, automation, computers, hydraulics, programmable logic controllers, electrical systems, and mechanical systems. The Mechatronics program is designed to prepare students for employment as entry-level technicians, and emphasizes extensive practical experience in both theory and laboratory settings using mock-up equipment and assemblies similar to those found in industry. Instruction includes theory, troubleshooting, and hands-on application in mechatronic concepts and principles, programmable logic controllers, pneumatics, AC and DC electrical systems, and motor controls. Successful completion of both the Mechatronics Program and Industrial Mechanic/Millwright Program and associated general education coursework will lead to an Advanced Technical Certificate in Mechatronics.

Successful completion of each semester or permission of the instructor is required to continue into successive semesters. Placement in specific English and Math courses is determined by the college placement assessments. Prospective students who do not meet the initial eligibility requirements will need to take selected courses to receive necessary skill-building prior to entering the program.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor’s permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=107)

Program Outcomes
Upon completion of the program, students will be able to:

- Adhere to safety, health and environmental rules and regulations.
- Selection and safe use of hand and power tools.
- Accurately use precision measurement tools.
- Install and test components in a basic hydraulic circuit.
- Troubleshoot industrial hydraulic circuits.
- Interpret fluid power schematics.
- Troubleshoot industrial pneumatic circuits.
- Install and test electro-fluid power components and circuits.
- Perform machine maintenance procedures.
- Perform preventative maintenance.
- Perform predictive maintenance.
- Perform systems troubleshooting methodologies.
- Install and test AC and DC electrical motors.
- Interpret electrical control power schematics.
- Install and test electro-fluid power components and circuits.
- Perform power transmission troubleshooting.
- Perform troubleshooting and maintenance on PLC's.
- Create a basic PLC ladder style program.
- Install and test basic PLC components.
- Perform SMAW, GTAW, and GMAW welding procedures.
- Perform oxy-acetylene cutting procedures.
- Perform mechanical drive system repair procedures.
- Equipment installation and alignment.
- Interpret industrial blueprints.
- Perform maintenance on seals and pumps.
- Perform maintenance on bearings and packings.
- Adhere and perform safe rigging practices.
- Perform advanced electrical motor control troubleshooting procedures.
- Perform service and maintenance on conveyer systems.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM-150</td>
<td>Industrial Mechanics I</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>MM-151L</td>
<td>Industrial Mechanics Lab I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MM-155</td>
<td>Industrial Blueprints</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MCTE-106</td>
<td>Technical Mathematics for Industrial Mechanic/Millwright; HVAC; Welding</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM-152</td>
<td>Industrial Mechanics II</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>MM-152L</td>
<td>Industrial Mechanics Lab II</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MM-156</td>
<td>Industrial Hydraulics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>
Mechatronics is a multifaceted field that utilizes many areas of mechanics including electronics, automation, computers, hydraulics, programmable logic controllers, electrical systems, and mechanical systems. The Mechatronics program is designed to prepare students for employment as entry-level technicians, and emphasizes extensive practical experience in both theory and laboratory settings using mock-up equipment and assemblies similar to those found in industry. Instruction includes theory, troubleshooting, and hands-on application in mechatronic concepts and principles, programmable logic controllers, pneumatics, AC and DC electrical systems, and motor controls. Successful completion of both the Mechatronics Program and Industrial Mechanic/Millwright Program and associated general education coursework will lead to an Advanced Technical Certificate in Mechatronics.

Successful completion of each semester or permission of the instructor is required to continue into successive semesters. Placement in specific English and Math courses is determined by the college placement assessments. Prospective students who do not meet the initial eligibility requirements will need to take selected courses to receive necessary skill-building prior to entering the program.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://nic.edu/programs/viewprogram.aspx?program_id=107)

Program Outcomes
Upon completion of the program, students will be able to:
• Adhere to safety, health, and environmental rules and regulations.
• Select and safely use of hand and power tools.
• Accurately use precision measurement tools.
• Install and test components in a basic hydraulic circuit.
• Interpret fluid power schematics.
• Troubleshoot industrial pneumatic circuits.
• Install and test AC and DC electrical motors.
• Interpret electrical control power schematics.
• Install and test electro-fluid power components and circuits.
• Perform troubleshooting and maintenance on PLC's.
• Create a basic PLC ladder style program.
• Install and test basic PLC components.
• Interpret industrial blueprints.
• Perform advanced electrical motor control troubleshooting procedures.

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH-210</td>
<td>Mechatronics I</td>
<td>5</td>
</tr>
<tr>
<td>MECH-210L</td>
<td>Mechatronics Lab I</td>
<td>4</td>
</tr>
<tr>
<td>MECH-211</td>
<td>Industrial Automation Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>MCTE-106</td>
<td>Technical Mathematics for Industrial Mechanic/Millwright; HVAC; Welding</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MECH-220</td>
<td>Advanced Mechatronics II</td>
<td>4</td>
</tr>
<tr>
<td>MECH-220L</td>
<td>Advanced Mechatronics Lab II</td>
<td>4</td>
</tr>
<tr>
<td>MECH-221</td>
<td>Advanced Programmable Logic Controllers II</td>
<td>3</td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
</tbody>
</table>
Medical Administrative Assistant (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Business Admin. and Management

For those who have always been interested in the medical field but find their strengths lie in clerical administration, a career as a medical administrative assistant could be the perfect choice. Medical administrative assistants combine clerical skills and word processing with specialization in medical terminology, anatomy, and medical coding.

Physicians rely on medical administrative assistants to help them in the documentation of patient care. The medical administrative assistant’s job, using the latest technology, may include transcribing business documents, composing and processing correspondence, coding of diagnoses and procedures, completing insurance forms, maintaining financial records, greeting and scheduling patients, and other related duties. Strong human relation skills are a must in this field.

The student will be provided the opportunity to develop skills to gain employment in clinics, private medical practices, hospitals, nursing homes, medical insurance and billing companies and a variety of other health care facilities. With experience, the graduate may advance to office manager or department supervisor.

Contact Information:

Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=46)

Program Requirements

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-164</td>
<td>Computer Fundamentals for Technical Programs</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-166</td>
<td>Living Online for Technical Programs</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CAOT-183</td>
<td>Business Editing and Proofreading</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-122</td>
<td>Word Processing/Word III</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-140</td>
<td>Database/Access I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-168</td>
<td>Integrated Medical Office Software</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CAOT-205</td>
<td>Business Document Formatting/Transcription</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>14-16</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-110</td>
<td>Small Business Accounting or ACCT-201 Principles of Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-132</td>
<td>Spreadsheets/Excel III</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-150</td>
<td>PowerPoint</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-184</td>
<td>Records Systems Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CAOT-204</td>
<td>Career Leadership</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>HCIT-180</td>
<td>Medical Law and Ethics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CAOT-186</td>
<td>Medical Coding</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CAOT-210</td>
<td>Office Procedures</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CAOT-224</td>
<td>Medical Administrative Assistant Internship</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CAOT-250</td>
<td>Office Skills Capstone</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>HCIT-101</td>
<td>Health Information I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>18</strong></td>
<td></td>
</tr>
</tbody>
</table>

| Total Credits | **61-63** |

Course Key

- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Perform health care office procedures that include scheduling, bookkeeping, billing and payment collection by utilizing a working knowledge of medical terminology, body systems, common medications, electronic health records and insurance.
- Compose, edit, proofread, and accurately produce health care and other business documents using appropriate software and equipment within specified timelines.
- Assign and understand diagnostic and procedure codes using ICD and HCPCS/CPT coding systems as used in a variety of health care settings.
- Apply legal and ethical standards and adhere to principles of patient confidentiality within the health care and community environment as defined by HIPAA.
- Use specialized computer programs including practice management/electronic health record (PM/EHR) and the Microsoft Office Suite.
- Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Medical Assistant (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas: Healthcare

The Medical Assistant program prepares students to work as entry-level healthcare providers in settings such as physician’s offices, health care clinics, and hospitals. The role of the medical assistant is to assist the physician and other professionals in managing the care of clients. Medical assistants are responsible for performing duties in the areas of office management, patient care, and collecting and processing laboratory specimens. Medical assistants work under the direct supervision of a physician or other designated professional.

Successful completion of the Medical Assistant Intermediate Technical Certificate program will result in eligibility to take the national (CMA) certification exam for medical assisting. Students are encouraged to continue their education by completing the Medical Assistant AAS degree.

This is a competitive entry program. For program specific requirements please refer to the program website.

Contact Information:
Health Professions Division
Meyer Health and Sciences Building, Room 257
Phone: (208) 676-7132
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=47)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or SOC-101</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-122</td>
<td>Word Processing/Word III</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-168</td>
<td>Integrated Medical Office Software</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15-17</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HICT-180</td>
<td>Medical Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MAST-100</td>
<td>Phlebotomy</td>
<td>2</td>
</tr>
<tr>
<td>MAST-101</td>
<td>Clinical Skills for Medical Assistants I</td>
<td>3</td>
</tr>
<tr>
<td>MAST-111</td>
<td>Administrative Skills for Medical Assistants I</td>
<td>3</td>
</tr>
<tr>
<td>MAST-180</td>
<td>Introduction to Human Disease</td>
<td>3</td>
</tr>
<tr>
<td>PHAR-150</td>
<td>Introduction to Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALTH-107</td>
<td>Communication for Health Professionals</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Key</td>
<td></td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Describe the components of the healthcare industry.
- Describe the role of a medical assistant.
- Demonstrate professional behaviors.
- Demonstrate effective communication skills.
- Perform the administration duties of the medical assistant.
- Identify and communicate proper patient preparation for procedures and testing.
- Perform record processing and filing procedures.
- Maintain health care records.
- Demonstrate scheduling appointments and managing accounts receivable.
- Perform accounting services within the scope of the medical assistant role.
- Demonstrate use of legal concepts in the practice of the medical assistant.
- Perform inventories in medical office settings.
- Perform dosage computations.
- Demonstrate the application of the principles of health safety and infection control.
- Demonstrate preparation of treatment areas.
- Assist physician with physical examinations, diagnostic procedures and treatments.
- Perform specimen collection, handling and transport within OSHA Standards.
- Perform CLIA waived laboratory procedures.
- Identify instruments and materials used in Minor Office Surgeries.
- Perform parenteral administration medication.
- Identify how to respond to emergency situations.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Medical Assistant (ITC)  
Intermediate Technical Certificate  

Career-Technical Program  
Interest Areas:  
  Healthcare  

The Medical Assistant program prepares students to work as entry-level healthcare providers in settings such as physician’s offices, health care clinics, and hospitals. The role of the medical assistant is to assist the physician and other professionals in managing the care of clients. Medical assistants are responsible for performing duties in the areas of office management, patient care, and collecting and processing laboratory specimens. Medical assistants work under the direct supervision of a physician or other designated professional.

The Medical Assistant program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

Successful completion of the Medical Assistant Intermediate Technical Certificate program will result in eligibility to take the national (CMA) certification exam for medical assisting. Students are encouraged to continue their education by completing the Medical Assistant AAS degree.

This is a competitive entry program. For program specific requirements please refer to the program website.

Contact Information:  
Health Professions Division  
Meyer Health and Sciences Building, Room 257  
Phone: (208) 676-7132  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=47)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>MCTE-102</td>
<td>Computational Skills for Allied Health</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>7-9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-168</td>
<td>Integrated Medical Office Software</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>MAST-100</td>
<td>Phlebotomy</td>
<td>2</td>
</tr>
<tr>
<td>MAST-101</td>
<td>Clinical Skills for Medical Assistants I</td>
<td>3</td>
</tr>
<tr>
<td>MAST-111</td>
<td>Administrative Skills for Medical Assistants I</td>
<td>3</td>
</tr>
<tr>
<td>PHAR-150</td>
<td>Introduction to Pharmacology</td>
<td>3</td>
</tr>
</tbody>
</table>

| Semester 3 |                                             |         |
| ALTH-107  | Communication for Health Professionals      | 1       |
| CAOT-186  | Medical Coding                             | 3       |
| MAST-201  | Clinical Skills for Medical Assistants II   | 3       |
| MAST-205  | Administration of Medications               | 3       |

Course Key  
- GEM  
- WICHE  
- AAS  
- Passport  
- Institutionally Designated  
- Gateway  
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Describe the components of the healthcare industry.
- Describe the role of a medical assistant.
- Demonstrate professional behaviors.
- Demonstrate effective communication skills.
- Perform the administration duties of the medical assistant.
- Identify and communicate proper patient preparation for procedures and testing.
- Perform record processing and filing procedures.
- Maintain health care records.
- Demonstrate scheduling appointments and managing accounts receivable.
- Perform accounting services within the scope of the medical assistant role.
- Demonstrate use of legal concepts in the practice of the medical assistant.
- Perform inventories in medical office settings.
- Perform dosage computations.
- Demonstrate the application of the principles of health safety and infection control.
- Demonstrate preparation of treatment areas.
- Assist physician with physical examinations, diagnostic procedures and treatments.
- Perform specimen collection, handling and transport within OSHA Standards.
- Perform CLIA waived laboratory procedures.
- Identify instruments and materials used in Minor Office Surgeries.
- Perform parenteral administration medication.
- Identify how to respond to emergency situations.
Medical billing specialists are in demand, particularly if they possess ICD and CPT coding skills. The medical billing specialist program is designed to prepare individuals for entry-level positions processing and managing third-party reimbursement and managing patient accounts receivables in a variety of health care settings. Physician practices, clinics, health maintenance organizations, and other health care entities including private billing services are all employment options. The associate in applied science degree in Medical Billing Specialist includes both theoretical and practical laboratory instruction.

Students will complete general education courses and courses in medical terminology, coding, insurance reimbursement, medicolegal issues, manual and computerized accounting, and credit and collections. In the final semester of the program, the student has the opportunity to take and earn the National Healthcare Association (NHA) Certified Billing and Coding Specialist (CBCS) credential exam. With a variety of career experiences, a professional medical billing specialist may pursue a Certified Coding Associate (CCA) credential by passing the national certification examination administered by the American Health Information Management Association (AHIMA) or the Certified Professional Coder (CPC) credential by passing the national certification examination administered by the American Academy of Professional Coders (AAPC). The medical billing specialist pursues a lifelong program of continuing education.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=48)

Program Requirements

### Course Title

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT-110</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-150</td>
<td>10-Key Skill Building</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-164</td>
<td>Computer Fundamentals for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td>15-17</td>
</tr>
<tr>
<td>ACCT-111</td>
<td>Small Business Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-132</td>
<td>Spreadsheets/Excel III</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-168</td>
<td>Integrated Medical Office Software</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-186</td>
<td>Medical Coding</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Perform health care office procedures that include scheduling, bookkeeping, billing and payment collection by utilizing a working knowledge of medical terminology, body systems, common medications, electronic health records and insurance.
- Assign and understand diagnostic and procedure codes using ICD and HCPCS/CPT coding systems as used in a variety of health care settings.
- Apply legal and ethical standards and adhere to principles of patient confidentiality within the health care and community environment as defined by HIPAA.
- Use specialized computer programs including practice management/electronic health record (PM/EHR) and the Microsoft Office Suite.
- Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Medical Laboratory Technology (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:
Healthcare

The Medical Laboratory Technology (MLT) program prepares graduates to work as medical lab technicians qualified to perform various laboratory procedures, including low-, medium-, and high-complexity testing. The MLT program includes instruction in the laboratory disciplines of microbiology, hematology, medical chemistry, transfusion medicine, urinalysis, and lab operations. Coursework is closely connected to student laboratory opportunities. After completing the theory for the discipline, clinical internship experiences are arranged offering students opportunities to practice in real-world laboratory environments.

Upon completion of the program, students are eligible to sit for a national certification examination. The certification of choice for most employers is through the American Society of Clinical Pathology (ASCP) Board of Certification. An individual must pass this examination to be eligible for most employment opportunities in medical labs in Idaho and Washington.

The Medical Laboratory Technology program is a competitive admissions program. Ten (10) students are admitted to the Professional Component of the program each spring semester. Program requirements other than the Professional Component are open to all students who meet the specific course prerequisites. An AAS degree can be obtained in a 24-month course of study following completion of the Program Requirements. A minimum grade point average of C+/2.3 is required in all MLT courses.

Contact Information:
Health Professions Division
Meyer Health and Sciences Building, Room 257
Phone: (208) 676-7132
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=102)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra (or higher)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL-227</td>
<td>or Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>CHEM-101</td>
<td>Introduction to Chemistry</td>
<td>4-5</td>
</tr>
<tr>
<td>or CHEM-111</td>
<td>or General Chemistry I</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td>14-15</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-275</td>
<td>Carbon Compounds</td>
<td>3-5</td>
</tr>
<tr>
<td>or CHEM-112</td>
<td>or Principles of General College ChemistryII</td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td>13-15</td>
</tr>
</tbody>
</table>

Semester 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLT-100</td>
<td>Phlebotomy</td>
<td>2</td>
</tr>
<tr>
<td>MLT-124</td>
<td>Medical Lab Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MLT-214</td>
<td>Hematology and Hemostasis</td>
<td>4</td>
</tr>
<tr>
<td>MLT-222</td>
<td>Basic Concepts in Transfusion Medicine</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td>13</td>
</tr>
</tbody>
</table>

Semester 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLT-218</td>
<td>Medical Lab Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>MLT-225</td>
<td>Parasitology, Mycology and Virology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td>6</td>
</tr>
</tbody>
</table>

Semester 5

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLT-112</td>
<td>Urinalysis and Other Body Fluids</td>
<td>2</td>
</tr>
<tr>
<td>MLT-221</td>
<td>Medical Laboratory Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MLT-224</td>
<td>Advanced Medical Laboratory Technology Student Lab Practice</td>
<td>3</td>
</tr>
<tr>
<td>MLT-226</td>
<td>Immunology and Laboratory Operations</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td>13</td>
</tr>
</tbody>
</table>

Semester 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLT-250</td>
<td>Capstone Seminar and Exam Review</td>
<td>5</td>
</tr>
<tr>
<td>MLT-291</td>
<td>Internship I</td>
<td>4</td>
</tr>
<tr>
<td>MLT-292</td>
<td>Internship II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td>13</td>
</tr>
</tbody>
</table>

Total Credits 72-75

Course Key

GEM WICHE AAS Gateway Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Be clinically competent.
  - Students will demonstrate the skills necessary to perform entry level competencies as a medical lab technician with routine medical laboratory tests in areas such as Chemistry, Hematology and Hemostasis, Immunology, Blood Banking, Microbiology, Urine and Body Fluid Analysis, and Laboratory Operations.

- Have appropriate critical decision skills.
  - Students will correlate the data used in all types of simple to complex laboratory testing.
  - Students will recognize routine and non-routine issues in pre-analytical, analytical, post-analytical lab processes.

- Exhibit professionalism.
  - Students will demonstrate professional and ethical behavior by membership and active participation in laboratory or related professional organizations.
  - Students will model professional conduct by: respecting the feelings and needs of others, protecting the confidence of patient information, and not allowing personal concerns and biases to interfere with the welfare of patients

- Utilize appropriate communication and interpersonal skills.
  - Students will demonstrate effective communication skills to ensure accurate and appropriate information transfer.
• Students will professionally and accurately report laboratory results, adapt communication to their audience and work with all members of the healthcare team.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Medical Receptionist (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management
  Healthcare

A medical receptionist holds a key position in the medical office in greeting patients, scheduling appointments, processing patient information, managing the reception desk, and assisting with other administrative responsibilities.

In today's modern medical office environment, the medical receptionist requires skills in human relations, data and word processing, records management, release of information, and respect for the confidential nature of patient information.

Job opportunities are found in physician offices, hospitals, clinics, and government medical facilities. Characteristics for success as a medical receptionist include an interest in medicine; a desire to work with physicians and other health care professionals; the ability to multi-task and prioritize work; a positive, caring personality; high energy; and a desire to help people.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=50)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BLDR-120  | Financial Business Applications                    | 3       |
CAOT-120  | Word Processing/Word I                           | 1       |
CAOT-164  | Computer Fundamentals for Technical Programs     | 1       |
CAOT-179  | Medical Terminology                              | 2       |
CAOT-183  | Business Editing and Proofreading                | 3       |
COMM-101  | Fundamentals of Oral Communication               | 3       |
or COMM-233 | Interpersonal Communication                       |         |
| Credits  |                                                 | **13**  |
| Semester 2 |                                                 |         |
CAOT-121  | Word Processing/Word II                          | 1       |
CAOT-122  | Word Processing/Word III                         | 1       |
CAOT-130  | Spreadsheets/Excel I                             | 1       |
CAOT-140  | Database/Access I                                | 1       |
CAOT-168  | Integrated Medical Office Software               | 3       |
CAOT-205  | Business Document Formatting/Transcription       | 2       |
CAOT-210  | Office Procedures                                | 3       |
| Credits  |                                                 | **12**  |
| Semester 3 |                                                 |         |
CAOT-184  | Records Systems Management                       | 3       |
CAOT-191  | Medical Receptionist Internship                  | 3       |
CAOT-250  | Office Skills Capstone                           | 1       |
HCIT-180  | Medical Law and Ethics                           | 3       |
PE-288    | First Aid                                       | 3       |
| Credits  |                                                 | **13**  |
| Total Credits |                                              | **38**  |

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in an entry-level medical office position.
- Perform health care office procedures that include scheduling, bookkeeping, billing and payment collection by utilizing a working knowledge of medical terminology, body systems, common medications, electronic health records and insurance.
- Compose, edit, proofread, and accurately produce health care and other business documents using appropriate software and equipment within specified timelines.
- Uphold legal and ethical standards and adhere to principles of patient confidentiality within the health care and community environment as defined by HIPAA.
Study of world cultures is an integral part of a well-rounded education. Learning a foreign language provides a sense of shared humanity and offers insight into the human mind, thus helping international understanding. It improves intellectual skills, helps the learner understand the customs, culture, and literature of other countries, and provides a wealth of material in other languages.

The knowledge of foreign languages is much needed and in demand in business and commerce, civil service, law, media, applied sciences, service occupations, tourism, social sciences, and engineering among others. Students wanting to major in a foreign language are urged to complete an Associate of Arts Degree.

Completion of the following courses results in an associate’s degree and meets the general core requirements at all Idaho public universities. The suggested coursework normally fulfills the first half of baccalaureate degree requirements in Foreign Language. Course selection should be tailored to match requirements defined by intended transfer institutions.

It is strongly suggested that students majoring in foreign language take courses in at least two foreign languages since many universities require such before issuing a Bachelor of Arts in Foreign Languages.

Contact Information:
English & Humanities Division
Lee-Kildow Hall, Room 204C
Phone: (208) 769-3394
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=52)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td>FLAN-207</td>
<td>Contemporary World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Requirements

Program Outcomes

Upon completion of the program, students will be able to:

- Perform at the Intermediate level of language proficiency based on the ACTFL Guidelines in all areas of communication: Reading, Writing, Speaking, and Listening.
- Identify diverse cultures where the target language is spoken.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Music (AA)

Associate of Arts

Transfer Program

Interest Areas:
- Arts, Comm., and Humanities

This program is designed for students who wish to pursue a professional career in music by providing the necessary background in music theory, history, and performance. Students also may pursue their musical interests as an avocation through the program. Music courses promote skills which prepare students for fields outside of music, emphasizing communication, literary, physical, technical, and business skills.

There are no program prerequisites. Previous experience in high school or community music programs is helpful. Students interested in scholarships must audition and selection is based on performance, grades, and letters of recommendation.

Contact Information:
Communication & Fine Arts Division
Boswell Hall, Room 144
Phone: (208) 769-3276
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=53)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEM 1 - Written Communication</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEM 2 - Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEM 3 - Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td></td>
<td>GEM 4 - Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GEM 5 - Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEM 6 - Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEM 7 - Institutionally Designated</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>MUSA-145</td>
<td>Piano Class I</td>
<td>1</td>
</tr>
<tr>
<td>MUSA-146</td>
<td>Piano Class II</td>
<td>1</td>
</tr>
<tr>
<td>MUSA-245</td>
<td>Piano Class III</td>
<td>1</td>
</tr>
<tr>
<td>MUSA-246</td>
<td>Piano Class IV</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-117</td>
<td>Music Convocation</td>
<td>0</td>
</tr>
<tr>
<td>MUSC-141</td>
<td>Harmony and Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-141L</td>
<td>Harmony and Theory I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-142</td>
<td>Harmony and Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-142L</td>
<td>Harmony and Theory II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-241</td>
<td>Harmony and Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-241L</td>
<td>Harmony and Theory III Lab</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-242</td>
<td>Harmony and Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-242L</td>
<td>Harmony and Theory IV Lab</td>
<td>1</td>
</tr>
<tr>
<td>MUSI-100</td>
<td>Introduction to Music</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one musical ensemble course each semester from the following:</td>
<td>4-6</td>
</tr>
<tr>
<td>MUSP-102</td>
<td>Cardinal Voices - Commercial Music Ensemble</td>
<td></td>
</tr>
</tbody>
</table>

Select eight credits from the following: 8
- MUSA-124A Individual Instruction: Voice
- MUSA-124B Individual Instruction: Piano
- MUSA-124C Individual Instruction: Jazz Piano
- MUSA-124D Individual Instruction: General Guitar
- MUSA-124E Individual Instruction: Classical Guitar
- MUSA-124F Individual Instruction: Flute
- MUSA-124G Individual Instruction: Oboe
- MUSA-124H Individual Instruction: Clarinet
- MUSA-124I Individual Instruction: Saxophone
- MUSA-124J Individual Instruction: Bassoon
- MUSA-124K Individual Instruction: Trumpet
- MUSA-124L Individual Instruction: Horn
- MUSA-124M Individual Instruction: Trombone
- MUSA-124N Individual Instruction: Euphonium
- MUSA-124O Individual Instruction: Tuba
- MUSA-124P Individual Instruction: Violin
- MUSA-124Q Individual Instruction: Viola
- MUSA-124R Individual Instruction: Cello
- MUSA-124S Individual Instruction: String Bass
- MUSA-124T Individual Instruction: Electric Bass
- MUSA-124U Individual Instruction: Percussion
- MUSA-124V Individual Instruction: Harp
- MUSA-124Z Individual Instruction: Composition

Total Credits 67-71

1 This General Education Requirement is partially met by the Program Requirements.

Course Key

- **GEM**
- **WICHE**
- **AAS**
- **Gateway**
- **Milestone**

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate a mastery of a primary instrument or voice at a minimum of an intermediate level.
- Demonstrate competence in basic piano playing skills and an ability to transfer music theory concepts to the keyboard.
- Demonstrate a knowledge of harmonic and melodic structures of music in the common practice period and
the 20th century, as well as basic music sight reading and dictation skills.

• Demonstrate a basic knowledge of the history and literature of western music.

• Demonstrate the ability to perform music literature from a wide variety of historical periods, cultures, languages, and stylistic periods through performance in various musical ensembles.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Network Security Administration (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:
- Business Admin. and Management

This Network Security Administration Associate of Applied Science program will prepare students for a career in the cybersecurity industry. The technical courses in this A.A.S degree program combine both networking concepts and security fundamentals with a focus on best practices required to implement and administer secure network environments. The program integrates knowledge from communication, social sciences, and math with the theory and practice of information technology to prepare students for employment in the industry. It will also provide opportunities for those employed in the information technology field to enhance their knowledge and credentials and advance in their careers.

During the program students are encouraged to work toward a variety of industry certifications in addition to the degree. Students will graduate with a Network Security Administration Associate of Applied Science Degree upon successful completion of this program. Entry-level position responsibilities in cybersecurity include, but are not limited to: maintaining computer network infrastructure and security; securing computer assets connected to the Internet; installing, configuring and securing PC systems and mobile devices; configuring and securing remote access networks; providing technical support and configuring and repairing endpoint devices.

Career opportunities for Cyber Security professionals are varied and immediate. The National Initiative for Cyber Security Education (NICE) has identified dozens of job titles that require security skills. See www.nist.gov (https://www.nist.gov/) and search for Cybersecurity Workforce Framework Resource Center for more information on cybersecurity skills needed today. Additionally, projections are that by the end of the decade, all or nearly all intermediate level computer technical, developmental or implementation careers will require some level of security training.

This is a selective enrollment program. Successful completion of each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in the third and fourth semester courses.

For requirements and admission procedures, go to the program website below or contact the Career and Technical Education Advisor at (208) 769-3371.

Contact Information:
- Business & Professional Programs Division
- Hedlund Building, Room 101
- Phone: (208) 769-3226
- Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-118</td>
<td>Computer Information Technology Essentials</td>
<td>2</td>
</tr>
<tr>
<td>CITE-140</td>
<td>Introduction to Cybersecurity</td>
<td>3</td>
</tr>
<tr>
<td>CITE-145</td>
<td>Cybersecurity Law Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CITE-152</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-121</td>
<td>Network Support I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-122</td>
<td>Network Support I Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-142</td>
<td>Information Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CITE-155</td>
<td>Linux Essentials</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-165</td>
<td>Linux System Administration</td>
<td>3</td>
</tr>
<tr>
<td>CITE-235</td>
<td>Network Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CITE-243</td>
<td>Command Line and Scripting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CITE-275</td>
<td>Intrusion Detection/Prevention Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-104</td>
<td>Systems Administration I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-105</td>
<td>Systems Administration I Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-237</td>
<td>Ethical Hacking and Systems Defense</td>
<td>3</td>
</tr>
<tr>
<td>CITE-258</td>
<td>Cyber Operations</td>
<td>3</td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td></td>
</tr>
<tr>
<td>CITE-289</td>
<td>Cyber Competitions</td>
<td></td>
</tr>
<tr>
<td>CITE-296</td>
<td>Cybersecurity Internship</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17-18</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>64-67</td>
</tr>
</tbody>
</table>

Course Key
- GEM
- WICHE
- AAS
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Evaluate various network devices and media and how best to secure them.
- Determine the factors involved in developing a secure information technology strategy.
- Describe and identify common security threats and attacks and describe how to safeguard against them.
- Perform a vulnerability assessment on a network.
- Monitor and analyze multiple sources of data to identify changes in circumstances or events.
- Access a computer system’s security vulnerabilities using appropriate resources.
• Apply software patches to operating systems and applications.
• Explain how to use current forensic tools.
• Use standard software tools to detect attempted security breaches of computer systems. Implement computer network security defenses.
• Demonstrate sensitivity to and sound judgment on ethical issues as they arise in information security and cyber defense.
• Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Network Security Administration (ATC)

Advanced Technical Certificate

Career-Technical Program
Interest Areas:
   Business Admin. and Management

This Network Security Administration Advanced Technical Certificate program will prepare students for a career in the cybersecurity industry. The technical courses in this Advanced Technical Certificate program combine both networking concepts and security fundamentals with a focus on best practices required to implement and administer secure network environments. The program integrates knowledge from communications, social sciences, and math with the theory and practice of information technology to prepare students for employment in the industry. It will also provide opportunities for those employed in the information technology field to enhance their cybersecurity knowledge and credentials and advance in their careers. During the program, students are encouraged to work toward a variety of industry certifications in addition to the certificate. Students will graduate with a Network Security Administration Advanced Technical Certificate upon successful completion of this program.

This is a selective enrollment program. Successful completion of each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in the third and fourth semester courses.

For requirements and admission procedures, go to the program website below or contact the Career and Technical Education Advisor at (208) 769-3371.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-118</td>
<td>Computer Information Technology Essentials</td>
<td>2</td>
</tr>
<tr>
<td>CITE-140</td>
<td>Introduction to Cybersecurity</td>
<td>3</td>
</tr>
<tr>
<td>CITE-145</td>
<td>Cybersecurity Law Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CITE-152</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>17-19</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-121</td>
<td>Network Support I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-122</td>
<td>Network Support I Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-142</td>
<td>Information Security Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

CITE-155  Linux Essentials                          3
COMM-101  Fundamentals of Oral Communication        3

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITE-165  Linux System Administration</td>
<td>3</td>
</tr>
<tr>
<td>CITE-235  Network Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CITE-243  Command Line and Scripting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CITE-275  Intrusion Detection/Prevention Systems Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITE-104  Systems Administration I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-105  Systems Administration I Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-237  Ethical Hacking and Systems Defense</td>
<td>3</td>
</tr>
<tr>
<td>CITE-258  Cyber Operations</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>2-3</td>
</tr>
<tr>
<td>ATEC-117  Occupational Relations and Job Search</td>
<td></td>
</tr>
<tr>
<td>CITE-289  Cyber Competitions</td>
<td></td>
</tr>
<tr>
<td>CITE-296  Cybersecurity Internship</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>14-15</strong></td>
</tr>
</tbody>
</table>

**Course Key**
- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

**Program Outcomes**

Upon completion of the program, students will be able to:

- Evaluate various network devices and media and how best to secure them.
- Determine the factors involved in developing a secure information technology strategy.
- Describe and identify common security threats and attacks and describe how to safeguard against them.
- Perform a vulnerability assessment on a network.
- Monitor and analyze multiple sources of data to identify changes in circumstances or events.
- Access a computer system’s security vulnerabilities using appropriate resources.
- Apply software patches to operating systems and applications.
- Explain how to use current forensic tools.
- Use standard software tools to detect attempted security breaches of computer systems.
- Implement computer network security defenses.
- Evaluate the ethical responsibilities of Internet users, service providers, and content providers.
- Discuss the structure of the legal system and how it enforces laws governing the Internet.
- Investigate a security breach and the legally required responses to a breach.
- Demonstrate sensitivity to and sound judgment on ethical issues as they arise in information security and cyber defense.
• Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.
• Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level network security administrator positions.
Network Security Administration (ITC)

Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
   Business Admin. and Management

The Network Security Administration one-year Intermediate Technical Certificate (ITC) teaches the foundations of cybersecurity and networking job skills. It will prepare students for an entry-level career in the information technology and cybersecurity industry. This certificate combines networking fundamentals with the requisite entry-level network security concepts and effective practices required to implement and administer secure network environments. The technical courses combine both networking concepts and security fundamentals with a focus on best practices required to implement and administer secure network environments. It will also provide opportunities for those employed in the information technology field to enhance their knowledge and credentials and advance in their careers. During the program, students are encouraged to work toward a variety of industry certifications in addition to the ITC certificate.

This is a selective enrollment program. Successful completion of each semester or permission of the instructor is required to continue to the next semester. Successful completion of the technical certificate or permission of the instructor is required for enrollment in the third and fourth semester courses.

For requirements and admission procedures, go to the program website below or contact the Career and Technical Education Advisor at (208) 769-3371.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level network security administration positions.
- Describe the devices and services used to support communications in data networks and Internet.
- Conceptualize, design and diagram possible solutions for a given networking environment.
- Evaluate various network devices and media and how best to secure them.
- Describe why information security is essential in today's IT environment.
- Describe common security threats and their ramifications.
- Participate as an active and effective member of a project team engaged in achieving specific implementation of functioning secure networks.
- Demonstrate sensitivity to and sound judgment on ethical issues as they arise in information security and cyber defense.
- Evaluate the ethical responsibilities of Internet users, service providers, and content providers.
- Discuss the structure of the legal system and how it enforces laws governing the Internet.
- Investigate a security breach and the legally required responses to a breach.
- Demonstrate good work habits.
- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level network security administrator positions.

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-118</td>
<td>Computer Information Technology Essentials</td>
<td>2</td>
</tr>
<tr>
<td>CITE-140</td>
<td>Introduction to Cybersecurity</td>
<td>3</td>
</tr>
<tr>
<td>CITE-145</td>
<td>Cybersecurity Law Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CITE-152</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>17-19</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITE-121</td>
<td>Network Support I</td>
<td>3</td>
</tr>
<tr>
<td>CITE-122</td>
<td>Network Support I Projects</td>
<td>3</td>
</tr>
<tr>
<td>CITE-142</td>
<td>Information Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CITE-155</td>
<td>Linux Essentials</td>
<td>3</td>
</tr>
</tbody>
</table>
Nursing: Practical Nursing (P.N.)
(ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas: Healthcare

This 11-month program prepares students for entry-level employment as practical nurses (PN) in hospitals, urgent care clinics, physician offices, home health care and long-term facilities.

The curriculum includes basic and clinical foundations of nursing, including medical and surgical nursing, maternal, care of infants and children, psychiatric nursing, pharmacology, and geriatrics.

Upon completion of the program, graduates are eligible to take the National Council Licensure Examination (NCLEX-PN) to obtain their PN license. Students who wish to continue to the RN level should consult with their advisor for those program requirements. This program has a competitive admission process. See the NIC PN website for application information. This program is offered in cooperation with clinical facilities in Idaho and Washington and the Idaho and Washington Boards of Nursing.

Contact Information:
Nursing Division
Meyer Health and Science Building, Room 282
Phone: (208) 769-3481
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=54)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>MCTE-102</td>
<td>Computational Skills for Allied Health</td>
<td>3</td>
</tr>
<tr>
<td>PHAR-150</td>
<td>Introduction to Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology or Human Anatomy and Physiology I and II</td>
<td>4-8</td>
</tr>
<tr>
<td>or BIOL-227</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or BIOL-228</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>18-22</td>
</tr>
</tbody>
</table>

Semester 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTH-107</td>
<td>Communication for Health Professionals</td>
<td>1</td>
</tr>
<tr>
<td>PN-110</td>
<td>Practical Nursing Theory I</td>
<td>6</td>
</tr>
<tr>
<td>PN-110L</td>
<td>Practical Nursing Lab I</td>
<td>5</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Semester 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN-111</td>
<td>Practical Nursing Theory II</td>
<td>7</td>
</tr>
<tr>
<td>PN-111L</td>
<td>Practical Nursing Lab II</td>
<td>5</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Semester 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN-112</td>
<td>Practical Nursing Theory III</td>
<td>2</td>
</tr>
<tr>
<td>PN-112L</td>
<td>Practical Nursing Lab III</td>
<td>4</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credits 48-52

Program Outcomes

Upon completion of the program, students will be able to:

- Recognize people as unique individuals with rights and viewpoints, reflective of their culture and developmental level.
- Integrate theoretical knowledge with clinical practice.
- Utilize the nursing process to provide care for people experiencing problems resulting from illness, injury, or commonly occurring health problems.
- Integrate the nursing roles of organizer, coordinator, advocate, and educator under supervision.
- Demonstrate accountability for learning and growth.
- Utilize effective interpersonal communication skills.
North Idaho College

Nursing: Registered Nursing (R.N.) (AS)

Associate of Science

Transfer Program

Interest Areas:

Healthcare

The faculty of the Associate's Degree Nursing program uphold the mission of North Idaho College in its commitment to student success, educational excellence, community engagement, and lifelong learning. The Associate's Degree Nursing program at North Idaho College commits to excellence in nursing education by developing distinguished graduate nurses who are prepared to meet the health care needs of the community and seeks to advance the profession. The curriculum includes general education courses in the arts and sciences and nursing courses, which provide nursing theory in the classroom and clinical experience in health care agencies.

Program Educational Outcomes

The graduate competencies of the Associate's Degree Nursing program are derived from the Quality and Safety for Nurses (QSEN) competencies. The intent of these principles is to arm the graduate nurse with the knowledge, skills, and attitudes (KSAs) necessary to provide optimal patient care. Upon completion of the program, the graduate will have demonstrated the ability to:

1. Recognize the patient or designee as the source of control and full partner in providing compassionate and coordinated care based on respect for patient's preference, values, and needs.
2. Function effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve quality patient care.
3. Integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.
4. Use data to monitor the outcomes of care processes and use improvement methods to design and test changes to continuously improve the quality and safety of health care systems.
5. Minimize risk of harm to patients and providers through both system effectiveness and individual performance.
6. Use information and technology to communicate, manage knowledge, mitigate error, and support decision-making.

Graduates are eligible to take the National Council Licensure Examination (NCLEX-RN). Passing the examination qualifies the individual to apply for licensure as a registered nurse in any state. The program prepares the graduate for employment in entry-level positions in a variety of health care settings and areas of nursing practice. The program is designed as a transfer degree and will satisfy core requirements at Idaho public colleges and universities which offer RN to BSN programs.

The Associate's Degree Nursing program is approved by the Idaho Board of Nursing and is accredited by the Accreditation Commission for Education in Nursing, Inc. Inquiries can be made by contacting the above agencies at: Idaho Board of Nursing, P.O. Box 83702, Boise, ID 83720-0061, (208) 334-3110, www2.state.id.us/ibn/ibnhome.htm, and/or Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road N.E. Suite 850, Atlanta, GA, 30326 or www.nlnac.org.

The Associate's Degree Nursing program has a competitive-entry process requiring specific prerequisite courses. See below for details regarding specific requirements. It is highly recommended that potential applicants meet with an advisor as they begin planning their pre-nursing coursework. Licensed Practical Nurses (LPNs) are eligible to apply for advanced placement. LPNs must meet the same admission criteria as other program applicants. In order to be eligible for advanced placement into the ADN Program, students will need to successfully complete the LPN summer transition course (NURS-196).

Admission Procedures

For application deadlines, please refer to the Registered Nursing program website.

In addition to the regular college admissions requirements, students applying for the Registered Nursing program need to complete a Nursing program application, which consists of:

1. Application for admission to NIC (if not already complete).
2. Associate's Degree Nursing program application.
3. Official college transcripts.
4. Results from the entrance exam (see application packet for information on scheduling the exam).
5. Applicants who have attended any other nursing program must submit a recommendation from an instructor or administrator of that program.

Application forms may be obtained from the Admissions Office and on the NIC website two months prior to the application deadline.

Admission Requirements

1. If HS program or GED is in progress, then completion of 12 or more college level credits is required. Final HS transcript or GED must be received prior to starting the Nursing Program.
2. A minimum cumulative GPA of 3.0 on degree requirements.
3. Meet the Associate's Degree Nursing Program Essential Abilities Policy 7.01.01.
4. TEAS adjusted individual score ≥ 58.6%.
5. If degree requirements are not completed, must be eligible to enroll in ENGL-101 or higher.
6. If degree requirements are not completed, must be eligible to enroll in a GEM 3 Math.
7. ENGL-101, GEM 3 MATH (a math course that meets the current AA or AS degree requirements), BIOL-227, PSYC-101, and COMM-101 must be completed with a C/2.0 or higher prior to starting the NURS courses.

Additional Information
Enrollment in the Nursing program is limited. Because of the number of applicants, completion of all admission requirements does not ensure acceptance into the program. Candidates for admission are selected from the pool of qualified applicants using a point-based process. Students with the highest point total will be accepted until the designated enrollment limit is reached. An alternate list will be developed using the same process.

Specific information on the selection process and point system are available two months prior to the application deadline and can be obtained from the NIC Admissions Office, (208) 769-3311, or from the Nursing (RN) homepage at www.nic.edu and clicking on Instructional Programs.

1. The additional coursework required to meet the A.S. degree requirements that are not completed at the time of admission to the Nursing program, must be completed no later than the sequence identified in the nursing curriculum in order to meet prerequisites for nursing courses. All required courses must be completed by the end of the program.
2. The Admissions Office will determine transferability of courses from other colleges.
3. The Nursing Department will determine if previous nursing credits will be acceptable for transfer.
4. Advanced placement is available for Licensed Practical Nurses. Applicants must meet the same criteria and deadlines as other program applicants. For further information, view the Nursing (RN) homepage by going to the college website at www.nic.edu and clicking on Instructional Programs or contact the NIC Division of Nursing at (208) 769-3329 for specific guidelines and further information.
5. A criminal background check will be required upon acceptance into the nursing program. Violations which appear on the criminal background check may result in denied access to clinical sites and therefore inability to complete the program.
6. Students with visible body art may be denied access to clinical sites, which could result in the inability to complete the program.

Contact Information:
Nursing Division
Meyer Health and Science Building, Room 282
Phone: (208) 769-3481
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=55)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-227</td>
<td>Human Anatomy and Physiology I With Cadaver</td>
<td>4</td>
</tr>
<tr>
<td>BIOL-228</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>INTR-2500</td>
<td>Leadership in Interprofessional Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>NURS-115</td>
<td>Wellness for Care Providers</td>
<td>1</td>
</tr>
<tr>
<td>NURS-201</td>
<td>Fundamentals of Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NURS-210</td>
<td>Fundamentals of Nursing Lab</td>
<td>2</td>
</tr>
<tr>
<td>NURS-215</td>
<td>Physical Assessment with Lab</td>
<td>1</td>
</tr>
<tr>
<td>NURS-225</td>
<td>Pharmacology in Nursing Practice</td>
<td>1</td>
</tr>
<tr>
<td>NURS-235</td>
<td>Psychiatric Mental Health Nursing with Lab</td>
<td>1</td>
</tr>
<tr>
<td>NURS-240</td>
<td>Nursing Care of Child-Bearing Families with Lab</td>
<td>2</td>
</tr>
<tr>
<td>NURS-245</td>
<td>Community Health Nursing</td>
<td>1</td>
</tr>
<tr>
<td>NURS-250</td>
<td>Medical Surgical Nursing I</td>
<td>3</td>
</tr>
<tr>
<td>NURS-255</td>
<td>Medical Surgical Nursing Lab</td>
<td>3</td>
</tr>
<tr>
<td>NURS-260</td>
<td>Medical Surgical Nursing II</td>
<td>4</td>
</tr>
<tr>
<td>NURS-265</td>
<td>Medical Surgical Nursing Lab I</td>
<td>4</td>
</tr>
<tr>
<td>NURS-270</td>
<td>Transition to Nursing Practice</td>
<td>1</td>
</tr>
<tr>
<td>NURS-275</td>
<td>Transition to Nursing Practice Lab</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 68-70

1. This General Education Requirement is met by the Program Requirements.

Recommended Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS-198</td>
<td>Nursing Practice Clinical Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

A grade of C/2.0 or better is required in each nursing course and general education course that is part of the nursing curriculum. General education courses must be completed with the required grade in the sequence listed to meet prerequisites and progress to the next nursing course.

For students who wish to continue their education in nursing, BSN completion programs are available through colleges in Idaho, Eastern Washington, and throughout the country.

Course Key

- GEM
- WICHE
- AAS
- Gateway
- Milestone

Program Outcomes

The graduate competencies of the Associates Degree Nursing Program are derived from the Quality and Safety for Nurses (QSEN) competencies. The intent of these principles is to arm the graduate nurse with the knowledge, skills, and attitudes (KSAs) necessary to provide optimal patient care.

Upon completion of the program, students will be able to:
• Recognize the patient or designee as the source of control and full partner in providing compassionate and coordinated care based on respect for patient’s preferences, values and needs.
• Function effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve quality patient care.
• Integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal healthcare.
• Use data to monitor the outcomes of care processes and use improvement methods to design and test changes to continuously improve the quality and safety of healthcare systems.
• Minimize risk of harm to patients and providers through both system effectiveness and individual performance.
• Use information and technology to communicate, manage knowledge, mitigate error, and support decision-making.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Office Specialist/Receptionist (ITC)  
Intermediate Technical Certificate

Career-Technical Program  
Interest Areas:  
Business Admin. and Management

The Office Specialist/Receptionist program provides coursework required for an intermediate technical certificate that prepares students for entry-level career positions in today's offices. Students who complete this program earn an intermediate technical certificate and will have the foundation to earn an advanced certificate. Students develop skills to enhance their opportunities for employment, including interpersonal skills, telephone skills, and customer relations skills. Students also become proficient using up-to-date computer applications, including word processing, spreadsheets, database, and presentation software.

Contact Information:  
Business & Professional Programs Division  
Hedlund Building, Room 101  
Phone: (208) 769-3226  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=56)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10-Key Skill Building</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Financial Business Applications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Outlook</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Word Processing/Word II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Word Processing/Word III</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Database/Access I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>PowerPoint</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Computer Fundamentals for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Business Editing and Proofreading</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Career Leadership</td>
<td>1</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Spreadsheets/Excel III</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Records Systems Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Business Document Formatting/Transcription</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Administrative Support Internship I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Office Skills Capstone</td>
<td>1</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Course Key

+ GEM + WICHE + AAS + Gateway + Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in an entry-level front office position.
- Use a variety of computer applications to produce multiple documents required in a variety of office settings.
- Conduct internet searches to locate business information; analyze and evaluate its useful in given business scenarios.
- Examine planning and leadership skills and characteristics and evaluate the role they play in organizational success.
- Use problem solving, interpersonal, and collaborative skills to complete work independently or in a team in an ethical and professional manner.
- Utilize business terminology and vocabulary to communicate in both written and oral forms following rules of confidentiality.
- Develop, edit, format, and proofread, correspondence that meet acceptable business standards.
- Demonstrate the ability to use innovative technologies (such as teleconferences, webinars, blogs, social media, web pages, cloud-based platforms, etc.) in an office environment.
- Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.
Office Technology (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
Business Admin. and Management

The Office Technology program allows students to design an Office Technology intermediate technical certificate by completing courses from the Accounting, Business Administration, Computer Applications and Office Technology, and Paralegal programs. It is designed for students seeking entry-level employment or who want to upgrade their office technology skills as required for an office-related position. The certificate can be completed in two to four semesters with a minimum of 28 credits required.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=57)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>or COMM-233</td>
<td>Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>ACCT-248</td>
<td>Accounting Internship</td>
<td></td>
</tr>
<tr>
<td>CAOT-191</td>
<td>Medical Receptionist Internship</td>
<td></td>
</tr>
<tr>
<td>CAOT-220</td>
<td>Administrative Support Internship I</td>
<td></td>
</tr>
<tr>
<td>CAOT-224</td>
<td>Medical Administrative Assistant Internship</td>
<td></td>
</tr>
<tr>
<td>CAOT-225</td>
<td>Medical Billing Specialist Internship</td>
<td></td>
</tr>
<tr>
<td>PLEG-290</td>
<td>Paralegal Internship I</td>
<td></td>
</tr>
<tr>
<td>Select 18 credits from the following subjects:</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>ACCT Accounting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUSA Business Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT Computer Applications and Office Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLEG Paralegal</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>30-33</td>
<td></td>
</tr>
</tbody>
</table>

1 Excluding internship courses.

Program Outcomes

Upon completion of the program, students will be able to:

• Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in an entry-level front office position.
• Demonstrate competency in basic office procedures in the selected area of concentration.
• Effectively communicate verbally and in writing in a business office context.
• Employ computation skills appropriate to a business office environment.
• Effectively use specialized computer programs used in an office environment.
• Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.
Outdoor Recreation Leadership (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
  - Business Admin. and Management
  - Healthcare
  - Soc. Sciences and Human Srvs.

This program gives students the necessary skills and certificates needed to obtain employment in the outdoor recreation field. The coursework in this curriculum is primarily field based and leadership development centered. Graduates will have confidence to excel in this growing industry.

This is a limited-enrollment program. See the catalog for special admission procedures or contact a Career and Technical Education advisor for more information.

Contact Information:
Physical Education, Dance, and Resort/Recreation Management Division
Winton Hall, Room 132
Phone: (208) 769-3409
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=58)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-110</td>
<td>Wilderness First Responder</td>
<td>3</td>
</tr>
<tr>
<td>RRM-234</td>
<td>Team Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237E</td>
<td>Outdoor Programming and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237F</td>
<td>Outdoor Navigation</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15-17</strong></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-125</td>
<td>Wilderness Ethics and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>RRM-195</td>
<td>Backcountry Winter Skills</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237C</td>
<td>Whitewater Guiding</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237H</td>
<td>Introduction to Outdoor Cooking</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-225</td>
<td>Event Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237J</td>
<td>Swift Water Rescue</td>
<td>3</td>
</tr>
<tr>
<td>RRM-250</td>
<td>Risk Management in the Resort Industry</td>
<td>3</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6 - A.A.S. Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>PE-110W</td>
<td>Mountain Biking</td>
<td>1</td>
</tr>
<tr>
<td>RRM-235</td>
<td>Outdoor Gear Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237D</td>
<td>Mountaineering</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237G</td>
<td>Avalanche Level I</td>
<td>1</td>
</tr>
<tr>
<td>RRM-290</td>
<td>Resort Recreation Management Internship</td>
<td>3</td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Total Credits** 60-62

Program Outcomes

Upon completion of the program, students will be able to:

- Apply the skills and knowledge necessary to work in various entry-level positions in the Outdoor Recreation industry.
- Earn industry certifications in the following: Wilderness First Responder, Leave No Trace Trainer, Swift Water Rescue, and Avalanche Level 1
- Demonstrate proficiency in the following: Outdoor Navigation, Team Building, Challenge Course Facilitation, Wilderness Interpretation, and Outdoor Food Safely.
- Function effectively individually and within team structures on various projects and assignments.
- Utilize and prepare risk management plans.
- Plan and organize outdoor programs, trips and events.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Outdoor Recreation Leadership (ATC)
Advanced Technical Certificate

Career-Technical Program
Interest Areas:
Business Admin. and Management
Healthcare
Soc. Sciences and Human Srvs.

This program gives students the necessary skills and certificates needed to obtain employment in the outdoor recreation field. The coursework in this curriculum is primarily field based and leadership development centered. Graduates will have confidence to excel in this growing industry.

This is a limited-enrollment program. See the catalog for special admission procedures or contact a Career and Technical Education advisor for more information.

Contact Information:
Physical Education, Dance, and Resort/Recreation Management Division
Winton Hall, Room 132
Phone: (208) 769-3409
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=58)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-110</td>
<td>Wilderness First Responder</td>
<td>3</td>
</tr>
<tr>
<td>RRM-234</td>
<td>Team Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237E</td>
<td>Outdoor Programming and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237F</td>
<td>Outdoor Navigation</td>
<td>3</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select one of the following:</strong></td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15-17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-125</td>
<td>Wilderness Ethics and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>RRM-195</td>
<td>Backcountry Winter Skills</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237C</td>
<td>Whitewater Guiding</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237H</td>
<td>Introduction to Outdoor Cooking</td>
<td>3</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101</td>
<td>or Writing and Rhetoric I</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-225</td>
<td>Event Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237A</td>
<td>Wilderness Backpacking</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237J</td>
<td>Swift Water Rescue</td>
<td>3</td>
</tr>
<tr>
<td>RRM-250</td>
<td>Risk Management in the Resort Industry</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>PE-110W</td>
<td>Mountain Biking</td>
<td>1</td>
</tr>
<tr>
<td>RRM-235</td>
<td>Outdoor Gear Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237B</td>
<td>Wilderness Survival</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237D</td>
<td>Mountaineering</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237G</td>
<td>Avalanche Level I</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>57-59</td>
<td></td>
</tr>
</tbody>
</table>

Course Key

- GEM: Passport
- WICHE: Institutionally Designated
- AAS: Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Apply the skills and knowledge necessary to work in various entry-level positions in the Outdoor Recreation industry.
- Earn industry certifications in the following: Wilderness First Responder, Leave No Trace Trainer, Swift Water Rescue, and Avalanche Level 1.
- Demonstrate proficiency in the following: Outdoor Navigation, Team Building, Challenge Course Facilitation, Wilderness Interpretation, and Outdoor Food Safety.
- Function effectively individually and within team structures on various projects and assignments.
- Utilize and prepare risk management plans.
- Plan and organize outdoor programs, trips and events.
Outdoor Recreation Leadership (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
  Business Admin. and Management
  Healthcare
  Soc. Sciences and Human Srvs.

This program gives the student the necessary skills and certificates needed to obtain employment in the outdoor recreation field. The course work in this curriculum is primarily field based and leadership development centered. Graduates will have the confidence to excel in this growing industry.

This is a limited-enrollment program. See the catalog for special admission procedures or contact a Career and Technical Education advisor for more information.

Contact Information:
Physical Education, Dance, and Resort/Recreation Management Division
Winton Hall, Room 132
Phone: (208) 769-3409
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=58)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-110</td>
<td>Wilderness First Responder</td>
<td>3</td>
</tr>
<tr>
<td>RRM-234</td>
<td>Team Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237E</td>
<td>Outdoor Programming and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237F</td>
<td>Outdoor Navigation</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>MCTE-101</td>
<td>Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15-17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRM-125</td>
<td>Wilderness Ethics and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>RRM-195</td>
<td>Backcountry Winter Skills</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237C</td>
<td>Whitewater Guiding</td>
<td>3</td>
</tr>
<tr>
<td>RRM-237H</td>
<td>Introduction to Outdoor Cooking</td>
<td>3</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101</td>
<td>or Writing and Rhetoric I</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credits 30-32

Course Key
- GEM
- WICHE Passport
- AAS Institutional Designated
- Gateway
- Milestone

Program Outcomes
Upon completion of the program, students will be able to:

- Earn industry certifications in the following: Wilderness First Responder, and Leave No Trace Trainer.
- Demonstrate proficiency in the following: Outdoor Navigation, Team Building, Challenge Course Facilitation, Wilderness Interpretation, and Outdoor Food Safely.
- Function effectively individually and within team structures on various projects and assignments.

- Apply the skills and knowledge necessary to work in various entry-level positions in the Outdoor Recreation industry.
Paralegal (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
  Business Admin. and Management
  Soc. Sciences and Human Srvs.

This program provides coursework required for an Associate of Applied Science Degree that leads to positions in legal environments. A paralegal, under the supervision of an attorney, applies knowledge of law and legal procedures in rendering direct assistance to attorneys, clients, and courts. They may conduct initial client interviews and follow up on investigation of factual information. Paralegals design, develop and modify procedures, techniques, services and processes; prepare and interpret legal documents; and detail procedures for practicing in certain fields of law. Paralegals research, select, assess, compile, and use information from the law library and other references, and analyze and handle procedures and problems that involve independent decisions.

Employment and internships in the legal field will often require a background check. Violations which appear on the applicant's criminal background check may result in denied approval for required internships and the inability to complete the program.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=60)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-183</td>
<td>Business Editing and Proofreading</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PLEG-110</td>
<td>Introduction to Law</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>PLEG-115</td>
<td>Legal Terminology</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PLEG-210</td>
<td>Legal Research and Writing I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-140</td>
<td>Database/Access I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CAOT-210</td>
<td>Office Procedures</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PLEG-105</td>
<td>Civil Procedure and Litigation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PLEG-220</td>
<td>Legal Research and Writing II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PLEG-250</td>
<td>Family Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>15</strong></td>
<td></td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-184</td>
<td>Records Systems Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PLEG-201</td>
<td>Legal Ethics</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PLEG-230</td>
<td>Evidence</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PLEG-260</td>
<td>Criminal Law and Procedure</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td>3-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Course Key
- GEM
- WICHE
- AAS
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Recognize, analyze, and solve fundamental tasks and issues applicable to the legal services environment.
- Communicate clearly, effectively, and with reason in both verbal and written forms.
- Demonstrate substantive and procedural laws in a variety of practice areas.
- Adhere to professional and ethical standards appropriate to the legal profession.
- Prepare legal documents, including legal correspondence, pleadings, court briefs, and contracts.
- File pleadings with the court.
- Analyze relevant laws, regulations, and legal articles.
- Demonstrate excellent legal research, writing, interview, analytical, and problem solving skills.
- Apply information technology tools and organizational skills to perform daily tasks, prioritize assignments, and utilize time efficiently (e.g., manage workflow, adhere to procedural deadlines, use resources and time efficiently).
- Assist lawyers in trial preparation and trial.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
**Philosophy (AA)**  
*Associate of Arts*

**Transfer Program**  
**Interest Areas:**  
Arts, Comm., and Humanities

This program helps students appreciate the role of ideas in shaping and evaluating the broad range of human experience from ancient to modern times. Classes focus on how great thinkers considered issues concerning ethics, human nature, politics, religion, economics, social change, knowledge, reality, and sound reasoning. Students learn to read critically, to think logically, to analyze and organize a wide variety of concepts, to research and evaluate sources, and to communicate clearly and effectively. Philosophy majors can apply their knowledge and skills to a wide range of professional fields such as business, advertising, media, law, health professions, and education.

Completion of the following courses normally fulfills the first half of bachelor degree requirements in Philosophy. Course selections should be tailored to match requirements of the intended transfer institution.

**Contact Information:**  
English & Humanities Division  
Lee-Kildow Hall, Room 204C  
Phone: (208) 769-3394  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=63)

**Program Outcomes**

Upon completion of the program, students will be able to:

- Distinguish among philosophical problems and patterns and examine their historical, intellectual, and cultural contexts.
- Create arguments that utilize sound reasoning processes, are grounded in evidenced-based analysis, and incorporate the appraisal of opposing views.
- Appraise critical perspectives in philosophical subject matter and demonstrate the components of sound reasoning and argumentation.
- Explain how philosophy has affected the growth and change of institutions, society, and conceptions of ethics and justice.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.

**Program Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td><strong>Program Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL-101</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-103</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-201</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td><strong>Elective Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Courses 100-level or higher</td>
<td>14-18</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>60-64</strong></td>
<td></td>
</tr>
</tbody>
</table>

1 This General Education Requirement is partially met by the Program Requirements.
Photography (AA)
Associate of Arts
Transfer Program
Interest Areas:
Arts, Comm., and Humanities

The photographic image plays a vital role in contemporary society. The Photography program focuses on the constantly evolving knowledge, skills, and abilities needed to create visual images that communicate and stand on their own as an art form. The course of study offered at NIC gives students the opportunity to explore their role as photographers capturing images, creating art, and communicating their vision.

Contact Information:
Communication & Fine Arts Division
Boswell Hall, Room 144
Phone: (208) 769-3276
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=64)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

ART-121  2-D/Design Foundations  3
COMJ-140  Mass Media in a Free Society  3
PHTO-183  Introduction to Digital Photography  3
PHTO-185  Adobe Photoshop and Lightroom  3
PHTO-288  Intermediate Digital Photography  3
PHTO-289  Photojournalism  3
THEA-101  Introduction to the Theatre  3

Elective Requirements

Courses 100-level or higher  7-9

Total Credits  60-64

1 This General Education Requirement is partially met by the Program Requirements.

Program Outcomes

Upon completion of the program, students will be able to:

- Translate the vocabulary and demonstrate an understanding of the elements of art and principles of design to art making and critical evaluation.
- Demonstrate knowledge and skills utilizing traditional and contemporary practices in a range of two-dimensional media, using media specific materials, tools, and processes.
- Apply critical thinking and problem-solving skills towards the development of self-awareness, individual expression, and communication in the visual arts.
- Recognize the main movements, patterns, and changes in the visual arts throughout history; formulate an understanding of how the values of a culture and civilization are expressed in its artwork and artifacts.
- Create, prepare, and present artwork, demonstrating a basic understanding of professional practices in the field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Physical Education (AS)
Associate of Science

Transfer Program
Interest Areas:
  Healthcare
  Soc. Sciences and Human Srvs.

NIC's Physical Education Department provides students with the competence, confidence and motivation necessary to ensure health, fitness, and life-long learning. This program is for students interested in pursuing careers in teaching, coaching, athletic training, recreation, fitness, and health promotion fields. Areas of instruction include: human movement studies, motivation studies, rules and practice of specific sports, exercise/fitness principles and techniques, basic athletic injury prevention/treatment, and organizing/leading fitness and recreation programs. The suggested coursework normally fulfills the first half of baccalaureate degree requirements for physical education.

Contact Information:
Physical Education, Dance, and Resort/Recreation Management Division
Winton Hall, Room 132
Phone: (208) 769-3409
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=65)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL-227</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>Select 16 credits from the following:</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>PE-160</td>
<td>Foundations of Physical Education</td>
<td></td>
</tr>
<tr>
<td>PE-220</td>
<td>Sports Ethics</td>
<td></td>
</tr>
<tr>
<td>PE-221</td>
<td>Fitness Activities and Concepts</td>
<td></td>
</tr>
<tr>
<td>PE-222</td>
<td>Wellness Lifestyles</td>
<td></td>
</tr>
<tr>
<td>PE-223</td>
<td>Exercise Physiology</td>
<td></td>
</tr>
<tr>
<td>PE-225</td>
<td>Sports Psychology</td>
<td></td>
</tr>
<tr>
<td>PE-227</td>
<td>Legal Aspects of Sport and Recreation</td>
<td></td>
</tr>
<tr>
<td>PE-288</td>
<td>First Aid</td>
<td></td>
</tr>
<tr>
<td>Elective Requirements</td>
<td>Courses 100-level or higher ^2</td>
<td>4-6</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>60-62</td>
</tr>
</tbody>
</table>

1 This General Education Requirement is partially met by the Program Requirements.
2 Recommend choosing courses from the Areas of Emphasis according to transfer institution requirements.

Recommended Elective Courses by Areas of Emphasis

Athletic Training/Exercise Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-228</td>
<td>Human Anatomy and Physiology II With Cadaver</td>
<td>4</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>CHEM-101</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>PE-248</td>
<td>Athletic Injuries-Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>PE-250</td>
<td>Clinical Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>PE-253</td>
<td>ACE Group Fitness Instructor Certification</td>
<td>2</td>
</tr>
</tbody>
</table>

Coaching

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-241C</td>
<td>Coaching Methods: Soccer</td>
<td>2</td>
</tr>
<tr>
<td>PE-241D</td>
<td>Coaching Methods: Softball/Baseball</td>
<td>2</td>
</tr>
<tr>
<td>PE-241E</td>
<td>Coaching Methods: Basketball</td>
<td>2</td>
</tr>
<tr>
<td>PE-241F</td>
<td>Coaching Methods: Wrestling</td>
<td>2</td>
</tr>
<tr>
<td>PE-242</td>
<td>Sports Officiating</td>
<td>2</td>
</tr>
<tr>
<td>PE-248</td>
<td>Athletic Injuries-Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>PE-253</td>
<td>ACE Group Fitness Instructor Certification</td>
<td>2</td>
</tr>
</tbody>
</table>

K-12 Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-201</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>PE-243</td>
<td>Play and Game Theory</td>
<td>2</td>
</tr>
<tr>
<td>PE-253</td>
<td>ACE Group Fitness Instructor Certification</td>
<td>2</td>
</tr>
<tr>
<td>PE-110/PE-111 Physical Activity Courses</td>
<td>1-7</td>
<td></td>
</tr>
</tbody>
</table>

Outdoor Recreation

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-237A</td>
<td>Wilderness Backpacking</td>
<td>3</td>
</tr>
<tr>
<td>PE-237B</td>
<td>Wilderness Survival</td>
<td>3</td>
</tr>
<tr>
<td>PE-237C</td>
<td>Whitewater Guiding</td>
<td>3</td>
</tr>
<tr>
<td>PE-237D</td>
<td>Mountaineering</td>
<td>3</td>
</tr>
<tr>
<td>PE-237E</td>
<td>Outdoor Programming and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>PE-237F</td>
<td>Outdoor Navigation</td>
<td>3</td>
</tr>
<tr>
<td>PE-237H</td>
<td>Introduction to Outdoor Cooking</td>
<td>3</td>
</tr>
<tr>
<td>PE-237J</td>
<td>Swift Water Rescue</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Key

<table>
<thead>
<tr>
<th>GEM</th>
<th>WICHE Passport</th>
<th>AAS</th>
<th>Institutionally Designated</th>
<th>Gateway</th>
<th>Milestone</th>
</tr>
</thead>
</table>

^1 WICHE Passport
^2 Institutionally Designated

---

This General Education Requirement is partially met by the Program Requirements.
Recommend choosing courses from the Areas of Emphasis according to transfer institution requirements.
Program Outcomes
Upon completion of the program, students will be able to:

• Articulate and apply the foundational principles of comprehensive health, nutrition and fitness promotion and manage wellness for yourself and others.
• Explain and apply the fundamental principles of human body, movement and performance.
• Analyze and interpret professional ethical standards for individual practice, conduct, and citizenship, especially as related to the discipline and profession.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Physical Therapist Assistant (AAS)
Associate of Applied Science

Career-Technical Program

Interest Areas:
Healthcare

The Physical Therapist Assistant Consortium Program prepares students for employment as physical therapist assistants (PTA). The PTA functions through the direction of a physical therapist (PT) to implement the PT’s plan of care. The ultimate goal of physical therapy is to aid patients and clients in their return to maximal function. PTA students are instructed in thinking processes and skills such as therapeutic exercise, orthopedic and neurological interventions, therapeutic modalities, and the art of patient care. In addition to patient treatment courses, students study the basics of anatomy, physiology, clinical pathology, and kinesiology. Clinical education experiences are integrated throughout the curriculum and offer students the opportunity to practice the techniques learned and practiced each semester. The program is designed to be completed in two years.

The Idaho Consortium for Physical Therapist Assistant Education at the College of Southern Idaho, the College of Western Idaho, Lewis-Clark State College, and North Idaho College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA, 22314; telephone: 703-706-3245; email: accreditation@apta.org; website: www.catpeonline.org.

This is a competitive entry program. For admission requirements and program specific information, please refer to the program website.

Contact Information:
Health Professions Division
Meyer Health and Sciences Building, Room 257
Phone: (208) 676-7132
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=66)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-227</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>15-17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PTAE-101</td>
<td>Physical Therapy in Health Care</td>
<td>2</td>
</tr>
<tr>
<td>PTAE-107</td>
<td>Kinesiology</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 107L</td>
<td>and Kinesiology Lab</td>
<td></td>
</tr>
<tr>
<td>PTAE-110</td>
<td>Principles and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>&amp; 110L</td>
<td>and Principles and Procedures Lab</td>
<td></td>
</tr>
<tr>
<td>PTAE-211</td>
<td>Data Collections</td>
<td>3</td>
</tr>
<tr>
<td>&amp; 211L</td>
<td>and Data Collections Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL-228</td>
<td>Human Anatomy and Physiology II With Cadaver</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
<td>16</td>
</tr>
</tbody>
</table>

Course Key

<table>
<thead>
<tr>
<th>GEM</th>
<th>WICHE</th>
<th>AAS</th>
<th>Institutionally Designated</th>
<th>Gateway</th>
<th>Milestone</th>
</tr>
</thead>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

Student Learning Goals and Outcomes

1. Graduates will demonstrate competent entry-level PT interventions, working under the supervision of a licensed physical therapist.
   - Within the context of patient care, distinguish between the role of the physical therapist and the role of the physical therapist assistant. Demonstrated by examinations, practicals and clinical rotations.
   - Under the direction of a physical therapist, implement safe and effective physical therapy interventions based on the PT plan of care. Demonstrated through practical exams and clinical rotations.
   - Under the direction of a physical therapist, perform entry-level interventions following standards of ethical practice. Demonstrated during clinical experiences.

2. Graduates will show respect for diverse human life and advocate for physical therapy care that works to restore optimal human dignity and function.
   - Effectively communicate with other health care providers, patients, and families about selected treatment procedures and functional activities. Demonstrated in the didactic and clinical components of the program.
   - Provide and document patient/client care in a respectful and culturally sensitive manner to all individuals. Demonstrated in lab scenarios and clinical experiences.
   - Exhibit good moral and ethical judgment in health care practice and uphold confidentiality of all persons at
all times. Demonstrated in lab scenarios and clinical experiences.

3. Graduates will be lifelong learners and continually pursue developmental opportunities within the physical therapy profession.
   • Provide education to peers, patients/clients, and others through professional organization, employment, and other avenues of collaboration.

Program Goals and Outcomes

1. The program will deliver competent physical therapist assistants to serve the regional communities.
   • The graduation rate for each class will be 85% higher.
   • Eighty-five percent of the PTA graduates will pass the National Physical Therapy Examination (NPTE) overall, average over two years.
   • Of those who seek employment, 95% of graduates will be employed within one year of passing the NPTW, averaged over two years.
   • Eighty-five percent of the PTA graduates will receive an above average rating on employer surveys.

Faculty Goals and Outcomes

1. Maintain a contemporary and comprehensive curriculum in accordance with CAPTE standards and the ICPTAE Mission.
   • Core faculty will engage in a minimum of two appropriate professional development activities annually.
   • Core faculty will engage in annual curriculum review and document improvements or changes.
   • Adjunct faculty will engage in a minimum of one appropriate professional development activity annually.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Physics/Astronomy (AS)
Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

Physics is the science that deals with matter and energy and their interactions in selected fields such as mechanics, acoustics, and electricity. A strong background in science and mathematics is important preparation for a college physics program.

Completion of the following courses results in an associate’s degree with an area of emphasis in Physics. The required coursework normally fulfills the first half of baccalaureate degree requirements in Physics. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=67)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing 1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing 1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH-175</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH-275</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH-335</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH-370</td>
<td>Introductions to Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-211</td>
<td>Engineering Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-212</td>
<td>Engineering Physics II</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>63-65</td>
</tr>
</tbody>
</table>

1 This General Education Requirement is met by the Program Requirements.

Program Outcomes

Upon completion of the program, students will be able to:

- Apply foundational knowledge and models of a natural or physical science to analyze and/or predict phenomena.
- Interpret and communicate scientific information via written, spoken and/or visual representations.
- Describe the relevance of specific science principles to the human experience.
- Form and test a hypothesis in the laboratory, classroom or field using discipline specific tools and techniques for data collection and/or analysis.
- Demonstrate the ability to explain observations and relate these to scientific theory.
- Create a coherent narrative utilizing physics/science principles to describe basic physical processes.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Political Science and Pre-Law (AS)
Associate of Science

Transfer Program
Interest Areas:
  Soc. Sciences and Human Srvs.

The Associate of Science in Political Science and Pre-Law provides the equivalence of the first two years of study in for a Bachelor of Science in Political Science. Students are introduced to many of the various subfields of political science and the scope of the discipline. The Associate of Science program also serves as a foundation for further professional or academic study in pre-law, business and secondary teaching with an emphasis in social studies, public administration, international studies and other related social sciences. Undergraduate degrees in Political Science are often the path chosen by many seeking entrance into law school, though it should be noted that other disciplines can be equally successful. Please contact the Political Science Department for a list of potential careers in political science. Students are strongly encouraged to check with their undergraduate transfer institution for specific degree and coursework requirements. Completion of an Associate of Science degree meets the general core requirements at all Idaho public universities.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=68)

Program Outcomes
Upon completion of the program, students will be able to:

• Explain the basics of the duties, powers and the institutions of American Government.

• Analyze and describe some of the power dimensions of politics; “who gets what, when and how.”

• Describe key concepts, theories and ideas utilized in basic political science, political philosophy and law.

• Explain key issues, concepts and the theories within international relations.

• Analyze the attributes of individual public policies and their consequences on society.

• Summarize scholarly articles, write a literature review and understand the basics of how political science research is carried out.

• Explain how to become more involved in their communities and understand why participation in politics is important.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education Requirements</td>
<td></td>
</tr>
<tr>
<td>GEM 1 - W</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2 - O</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - M</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4 - S</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5 - H</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6 - S</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7 - I</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td>Program Requirements</td>
<td></td>
</tr>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS-237</td>
<td>International Politics and Problems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Choose one additional Political Science course other than</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>POLS-298.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Requirements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Courses 100-level or higher</td>
<td>16-18</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>60-64</td>
</tr>
</tbody>
</table>

1 This General Education Requirement is partially met by the Program Requirements.
Pre-Medical Related Fields (AS)  
Associate of Science

Transfer Program  
Interest Areas:  
Science, Tech., Engr. and Math  
Healthcare

The pre-medical field has a wide variety of options, including Pre-Dental Hygiene, Pre-Medical/Pre-Dental Studies, Pre-Optometry, Pre-Pharmacy, Radiologic Technology, Respiratory Therapy, Radiographic Science, Speech Pathology and Audiology, and Sports Medicine. Most professional school admission requirements will be satisfied with a baccalaureate degree in biology or chemistry with substantial coursework in other disciplines. Professional schools are extremely competitive. It is important to contact an advisor at your transfer institution.

Completion of the following courses results in an associate's degree with an area of emphasis in Pre-Medical Related Fields. Course selection should be tailored to match requirements of the transfer institution.

Contact Information:  
Natural Sciences Division  
Meyer Health and Sciences Building, Room 250  
Phone: (208) 769-3495  
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=69)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1 - Written Communication</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>GEM 2 - Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEM 3 - Mathematical Ways of Knowing</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>GEM 4 - Scientific Ways of Knowing</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>GEM 5 - Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>GEM 6 - Social and Behavioral Ways of Knowing</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>GEM 7 - Institutionally Designated</td>
<td>4-6</td>
<td></td>
</tr>
<tr>
<td>BACT-250 General Microbiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>BIOL-115 Introduction to Life Sciences</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>BIOL-227 Human Anatomy and Physiology I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>BIOL-228 Human Anatomy and Physiology II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHEM-111 General Chemistry I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CHEM-112 Principles of General College</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CHEM-112 Principles of General College</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MATH-170 Calculus I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHYS-111 General Physics I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHYS-112 General Physics II</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 63-65

1 This General Education Requirement is met by the Program Requirements.
Pre-Microbiology/Medical Technology (AS)

Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

The Pre-Microbiology/Medical Technology program is designed for students who desire professional careers in applications of control and diagnosis of diseases, agriculture, food technology, genetic engineering, environmental/pollution control, clinical lab work in hospitals, public health and research labs, and in industrial and pharmaceutical laboratories.

Completion of the following coursework results in an associate degree with an area of emphasis in Pre-Microbiology/Medical Technology. The required coursework normally fulfills the first half of baccalaureate degree requirements in Microbiology/Medical Technology. Course selection should be tailored to match requirements of intended transfer institutions.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=70)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education Requirements</td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td>Program Requirements</td>
<td></td>
</tr>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL-115</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-277</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-278</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM-287</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-288</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH-170</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-111</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-112</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>63-65</td>
</tr>
</tbody>
</table>

\[1\] This General Education Requirement is met by the Program Requirements.
Pre-Nutrition (AS)
Associate of Science

Transfer Program
Interest Areas:
  Healthcare
  Science, Tech., Engr. and Math

This program is for students who love science, think critically, and want to help others live healthier lives. The required coursework is designed specifically for students who plan on transferring to the University of Idaho - Coeur d'Alene to complete a bachelor's degree in Food and Nutrition.

Completion of the following courses results in an Associate of Science Degree with an area of emphasis in Pre-Nutrition. Course selection should be tailored to match requirements defined by intended transfer institution.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=71)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing ¹</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing ¹</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing ¹</td>
<td>0</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>BACT-250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL-170</td>
<td>Introductory Foods</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-170L</td>
<td>Introductory Foods Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL-207</td>
<td>Concepts in Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-227</td>
<td>Human Anatomy and Physiology I ²</td>
<td>4</td>
</tr>
<tr>
<td>BIOL-228</td>
<td>Human Anatomy and Physiology II With Cadaver</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-101</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-275</td>
<td>Carbon Compounds</td>
<td>3</td>
</tr>
<tr>
<td>MATH-143</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>60-62</strong></td>
</tr>
</tbody>
</table>

¹ This General Education Requirement is met by the Program Requirements.
Pre-Physical Therapy (AS)
Associate of Science

Transfer Program
Interest Areas:
  Healthcare
  Science, Tech., Engr. and Math

This program is designed for students planning to transfer to a major suitable for entry into a physical therapy program. Physical therapy programs are very competitive and typically require an overall GPA of 2.75 or better and a 3.00 GPA in all prerequisite work (i.e., biology, zoology, chemistry, and physics). In addition, 75-80 hours (minimum) of work/observation under the direction of a licensed physical therapist are required for entry into physical therapy programs (may vary with transfer institution).

Completion of the following courses results in an associate's degree with an area of emphasis in Pre-Physical Therapy. The required coursework normally fulfills the prerequisite requirements for most physical therapy programs. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=72)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1 - Written Communication</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>GEM 2 - Oral Communication</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - Mathematical Ways of Knowing</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4 - Scientific Ways of Knowing</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5 - Humanistic and Artistic Ways of Knowing</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>GEM 6 - Social and Behavioral Ways of Knowing</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>GEM 7 - Institutionally Designated</td>
<td></td>
<td>4-6</td>
</tr>
<tr>
<td>BIOL-227 - Human Anatomy and Physiology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIOL-228 - Human Anatomy and Physiology II With Cadaver</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM-111 - General Chemistry I</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112 - Principles of General College Chemistry II</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>MATH-253 - Principles of Applied Statistics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHYS-111 - General Physics I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHYS-112 - General Physics II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PSYC-101 - Introduction to Psychology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SOC-101 - Introduction to Sociology</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Requirements

Courses 100-level or higher: 6
Total Credits: 60-62

1 This General Education Requirement is met by the Program Requirements.
Pre-Veterinary Medicine (AS)
Associate of Science

Transfer Program
Interest Areas:
Healthcare
Science, Tech., Engr. and Math

The states of Idaho and Washington have an agreement which guarantees a certain number of places in the Washington State University College of Veterinary Medicine to qualified Idaho residents. Normally, students must maintain an overall undergraduate GPA of at least 3.50 in their studies prior to admission to the program. Candidates with greater depth and breadth of academic background are given preference by WSU.

The Graduate Record Examination (GRE) scores must be received by October 1 of the year of application. While students may enter the program following completion of an associate degree program, acceptance is normally not gained until a baccalaureate program is completed.

Completion of the following courses results in an associate’s degree with an area of emphasis in Pre-Veterinary Medicine. The required coursework normally fulfills the first half of baccalaureate degree requirements in Pre-Veterinary Medicine. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=73)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td>BIOL-115</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-111</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-112</td>
<td>Principles of General College</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM-277</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-278</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS-111</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-112</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL-202</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>MATH-160</td>
<td>Survey of Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>
Psychology (AS)
Associate of Science

Transfer Program
Interest Areas:
  Soc. Sciences and Human Srvs.

A baccalaureate degree with a major in psychology provides a solid foundation for many careers that require knowledge of human behavior in areas such as business, industry, government, or the helping professions. Completion of a graduate degree (master's or doctorate) is generally necessary, however, for careers specific to psychology. Therefore, students seriously considering such a career option should maintain a grade point average of 3.00 or higher.

Completion of the following courses normally fulfills the first half of bachelor degree requirements in Psychology. Course selections should be tailored to match requirements of the intended transfer institutions.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=74)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education Requirements</td>
<td></td>
</tr>
<tr>
<td>GEM 1 -</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2 -</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 -</td>
<td>Mathematical Ways of Knowing ¹</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4 -</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5 -</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6 -</td>
<td>Social and Behavioral Ways of Knowing ²</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7 -</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td>Program Requirements</td>
<td></td>
</tr>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics 혈 WICHE AAS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology 혈 WICHE AAS</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-218</td>
<td>Introduction to Research in the Behavioral Sciences</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Select two of the following:</td>
<td></td>
</tr>
<tr>
<td>PSYC-205</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC-210</td>
<td>Psychology of Personality</td>
<td></td>
</tr>
<tr>
<td>PSYC-211</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Requirements</td>
<td></td>
</tr>
<tr>
<td>Courses 100-level or higher</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>60-62</td>
</tr>
</tbody>
</table>

¹ This General Education Requirement is met by the Program Requirements.
² This General Education Requirement is partially met by the Program Requirements.

Recommended Elective Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-175</td>
<td>Human Biology 혈 WICHE AAS</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-100</td>
<td>Concepts of Chemistry 혈 WICHE AAS</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM-101</td>
<td>Introduction to Chemistry 혈 WICHE AAS</td>
<td>3</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication 혈 WICHE AAS</td>
<td>3</td>
</tr>
<tr>
<td>COMM-233</td>
<td>Interpersonal Communication 혈 WICHE AAS</td>
<td>3</td>
</tr>
<tr>
<td>INTR-250J</td>
<td>Psychology of Marketing 혈 WICHE AAS</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL-201</td>
<td>Logic and Critical Thinking 혈 WICHE AAS</td>
<td></td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Passport
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon Completion of the program, students will be able to:

- Demonstrate a base of knowledge about representative theories, concepts, and empirical studies in the field of Psychology.
- Implement critical thinking skills by evaluating the empirical basis of historical, theoretical, or conceptual constructs in psychology.
- Analyze cognitive, behavioral, and socioemotional domains from an ethical framework that underscores individual differences and collective tendencies.
- Pursue their educational and professional goals through transfer or transition to a different field.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Radiography Technology (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
Healthcare

The Mission of the North Idaho College Radiography Program is to provide a comprehensive didactic and clinical education, which prepares graduates with the skills necessary to obtain entry-level employment as a radiographer. Upon successful completion of this program, students will graduate with an Associate of Applied Science Degree and be eligible to become certified by taking the registry examination of the American Registry of Radiologic Technologists (ARRT). The Radiography Technology Associate of Applied Science Degree program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Inquiries can be made by contacting JRCERT at 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182 or (312) 704-5300 or mail@jrcert.org.

The Radiography Technology program is a competitive entry program. Ten students are admitted to the Professional Component of the program every other year. Applications are accepted and reviewed spring semester. A minimum grade point average of C+/2.3 is required in all prerequisite and program courses. For program-specific requirements, please refer to the program webpage.

Admission Procedures

For program specific requirements please refer to the Radiography Technology program website.

Contact Information:
Health Professions Division
Meyer Health and Sciences Building, Room 257
Phone: (208) 676-7132
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=75)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-227</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>GEM 3 -</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>10-12</strong></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-228</td>
<td>Human Anatomy and Physiology II With Cadaver</td>
<td>4</td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or SOC-101</td>
<td>or Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADT-111</td>
<td>Introduction to Radiography</td>
<td>5</td>
</tr>
<tr>
<td>&amp; 111L</td>
<td>and Introduction to Radiology Lab</td>
<td></td>
</tr>
<tr>
<td>RADT-112</td>
<td>Radiographic Procedures I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 112L</td>
<td>and Radiographic Procedures I Lab</td>
<td></td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE Passport
- AAS Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- At least 80% of students from each cohort will complete the program.
- Graduates will have a five-year average credentialing examination pass rate of not less than 75% at first attempt.
- The average five-year job placement rate of graduates seeking employment will be 75% or more within twelve (12) months of graduation.
- Seventy-five percent of graduates will indicate adequate preparation to perform as entry-level technologists.
- Seventy-five percent of employers will indicate satisfaction with graduates’ overall job training/preparation.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Social Work (AA)
Associate of Arts

Transfer Program
Interest Areas:
Soc. Sciences and Human Srvs.

This program is for students planning to transfer to a bachelor’s degree program in social work (BSW). Career opportunities in social work include social services at federal, state, and local levels; health care social work in nursing homes, hospitals, and outpatient care facilities; mental health facilities; children and youth services; aging services casework; rehabilitation counseling; juvenile detention; family services; pre-adoption investigation; drug and alcohol counseling; group home casework and counseling; and employee assistance counseling. Completion of the following courses results in an associate’s degree and meets the general core requirements at Idaho public universities. The suggested coursework normally fulfills the first half of baccalaureate degree requirements in social work. Course selection should be tailored to match requirements defined by intended transfer institutions.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=77)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOWK-240</td>
<td>Introduction to Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOWK-241</td>
<td>Social Work Generalist Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Requirements

<table>
<thead>
<tr>
<th>Courses 100-level or higher</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16-18</td>
</tr>
</tbody>
</table>

Total Credits | 60-64

Program Outcomes

Upon completion of the program, students will be able to:

- Identify as professional social workers and conduct themselves accordingly by attending to professional roles and boundaries, practicing personal reflection and self-correction to assure continual professional development, and by demonstrating professional demeanor in behavior, appearance, and communication.
- Apply social work ethical principles to guide professional practice by recognizing and managing personal values in a way that allows professional values to guide practice.
- Apply critical thinking to inform and communicate professional judgments by demonstrating effective oral and written communication in working with individuals, families, groups, organizations, communities, and colleagues, and by analyzing models of assessment, prevention, intervention, and evaluation.
- Engage diversity and difference in practice and recognize the extent to which a culture’s structures and values may oppress, marginalize, alienate, or create or enhance privilege and power. Students will recognize and communicate their understanding of the importance of differences in shaping life experiences, and view themselves as learners who engage those with whom they work as informants.
- Advance human rights and social and economic justice by beginning to understand the forms and mechanisms of oppression and discrimination.
- Apply knowledge of human behavior and social environment by utilizing conceptual frameworks to guide the process of assessment, intervention, and evaluation, and by critiquing and applying knowledge to understand person and environment.
- Engage, assess, intervene, and evaluate with individuals, families, groups, organizations, and communities by: substantively and affectively prepare for action with individuals, families, groups, organizations, and communities; collecting, organizing and interpreting client data; assessing client strengths and limitations; developing mutually agreed-on intervention goals and objectives.

Recommended Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH-225</td>
<td>Native People of North America</td>
<td>3</td>
</tr>
<tr>
<td>COMM-220</td>
<td>Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>
Sociology (AA)
Associate of Arts

Transfer Program
Interest Areas:
  Soc. Sciences and Human Srvs.

The Sociology Department focuses on providing students with the tools necessary to analyze the complexities of human societies and to gain a greater understanding of themselves and others as members of social groups. Instructors expose students to the methodological, theoretical, and conceptual foundations of the discipline to cultivate critical inquiry skills. Using a social justice lens, courses in the department invite students to question and address social problems and inequalities while also broadening student's knowledge of the diversity of peoples and cultures in our world.

Contact Information:
Social & Behavioral Sciences Division
Lee-Kildow Hall, Room 217
Phone: (208) 769-7782
Program Website (https://www.nic.edu/websites/default.aspx?dpt=187)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
</tbody>
</table>

General Education Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-253</td>
<td>Principles of Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC-220</td>
<td>Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>or SOC-245</td>
<td>Introduction to Criminology</td>
<td></td>
</tr>
<tr>
<td>SOC-251</td>
<td>Race and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>or SOC-296</td>
<td>Introduction to Sociology of Gender</td>
<td></td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH-102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>POLS-101</td>
<td>American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Key

<table>
<thead>
<tr>
<th>GEM</th>
<th>WICHE</th>
<th>AAS</th>
<th>Passport</th>
<th>Institutionally Designated</th>
<th>Gateway</th>
<th>Milestone</th>
</tr>
</thead>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Describe and explain the core methods, theories, and concepts of sociology.
- Illustrate the interplay of social structure and agency in the lives of individuals.
- Critically analyze relations of power, hierarchy, and inequality and their impact on society.
- Utilize the sociological perspective to interpret social phenomenon.
- Plan strategies to use sociological expertise to interact effectively with people from diverse backgrounds and/or to solve social problems.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Surgical Technology (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
Healthcare

The Surgical Technology program prepares students for entry-level employment as surgical technologists in hospitals, surgery centers, and specialty clinics. The program combines didactic, laboratory, and clinical instruction, which provides students with the knowledge and skills required to enter the field of surgical technology in accordance with the American Medical Association and the Association of Surgical Technologist guidelines. A clinical externship begins in semester four of the Professional Component and provides students with the opportunity to work in real-life settings.

The Surgical Technology program is a selective admissions program. Ten students are admitted to the Professional Component of the program each fall semester. Program requirements other than the Professional Component are open to all students who meet specific course prerequisites. An Associate of Applied Science Degree is awarded upon successful completion of the program. All Professional Component courses must be passed with a minimum cumulative grade point average of C+/2.3 and must be passed consecutively before continuing to the next courses.

Contact Information:
Health Professions Division
Meyer Health and Sciences Building, Room 257
Phone: (208) 676-7132
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=108)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL-228</td>
<td>Human Anatomy and Physiology II With Cadaver</td>
<td></td>
</tr>
<tr>
<td>CAOT-179</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 – A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>12-14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or SOC-101</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>SURG-101</td>
<td>Foundations of Surgical Technology</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURG-105</td>
<td>Care of the Surgical Patient</td>
<td>2</td>
</tr>
<tr>
<td>SURG-120</td>
<td>Fundamentals of Surgical Technology I *</td>
<td>6</td>
</tr>
<tr>
<td>&amp; 120L</td>
<td>and Fundamentals of Surgical Technology I Lab</td>
<td></td>
</tr>
<tr>
<td>SURG-130</td>
<td>Surgical Procedures I</td>
<td>4</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURG-109</td>
<td>Pharmacology for the Surgical Technologist</td>
<td>2</td>
</tr>
</tbody>
</table>

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate practical skills required to work as a competent surgical technologist in the operating room including aseptic technique, instrument setup, assisting the surgeon, anticipating the surgeon's needs, and assisting with post-operative care.
- Correlate their knowledge of anatomy, physiology, pathophysiology, and microbiology concepts to the role as a Surgical Technologist.
- Understand and correlate the elements, action, and use of medications and anesthetic agents used during the perioperative experience.
- Implement safe practice techniques during perioperative routines, patient transportation, positioning, and emergency procedures.
- Integrate principles of surgical asepsis as part of the perioperative experience.
- Apply knowledge and skills of a professional Surgical Technologist to address the biopsychosocial needs of the surgical patient.
- Display professionalism, continue educational growth, and value the professional attributes of the Surgical Technologist.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Theatre (AA)
Associate of Arts

Transfer Program
Interest Areas:
Arts, Comm., and Humanities

This program is designed for students who want to emphasize the theatre arts in the planning of their undergraduate degree. Emphasis is placed on the theatre arts as a valuable study for a wide range of career choices. Theatre arts at NIC are not restricted to those who would like to make theatre a profession. Rather, through the study of communication; critical thinking; problem solving; literary, physical, technical, and psychological/emotional skills, theatre prepares students for success in many different professions. There are no program prerequisites. Previous experience is helpful. Scholarships are available. Participation in theatre requires some evenings and weekends.

Contact Information:
Communication & Fine Arts Division
Boswell Hall, Room 144
Phone: (208) 769-3276

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>GEM 1</td>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3</td>
<td>Mathematical Ways of Knowing</td>
<td>3-5</td>
</tr>
<tr>
<td>GEM 4</td>
<td>Scientific Ways of Knowing</td>
<td>8</td>
</tr>
<tr>
<td>GEM 5</td>
<td>Humanistic and Artistic Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>GEM 6</td>
<td>Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7</td>
<td>Institutionally Designated</td>
<td>4-6</td>
</tr>
<tr>
<td></td>
<td><strong>Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>THEA-101</td>
<td>Introduction to the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA-102</td>
<td>Stage Makeup</td>
<td>3</td>
</tr>
<tr>
<td>THEA-103</td>
<td>Theatre Technology: Scenery, Lighting, and Sound</td>
<td>3</td>
</tr>
<tr>
<td>THEA-114</td>
<td>Theatre Technology: Costume Construction</td>
<td>3</td>
</tr>
<tr>
<td>THEA-115</td>
<td>Basics of Performance I</td>
<td>3</td>
</tr>
<tr>
<td>THEA-116</td>
<td>Basics of Performance II</td>
<td>3</td>
</tr>
<tr>
<td>THEA-190</td>
<td>Theatre Practice</td>
<td>1</td>
</tr>
<tr>
<td>THEA-201</td>
<td>Scene Design I</td>
<td>3</td>
</tr>
<tr>
<td>THEA-271</td>
<td>Play Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Elective Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Courses 100-level or higher</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>61-65</td>
</tr>
</tbody>
</table>

Recommended Elective Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-103</td>
<td>Oral Interpretation</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE Passport
- AAS Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Define and apply theatre terminology in relation to script analysis, technical elements, and acting.
- Identify various processes involved in the creation of theatrical productions as well as the historical, cultural, and contemporary theatrical trends.
- Demonstrate the skills of the discipline required to be a successful member of a theatrical team.
- Identify, communicate and assess the elements necessary for successful productions.
- Participate in the theatrical arts and utilize creative, analytic, and critical processes to communicate ideas artistically.

In addition to the program outcomes, students will meet the North Idaho College General Education (GEM) Requirements.
Virtual Administrative Assistant (ITC)

Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
   Business Admin. and Management

The Virtual Administrative Assistant certificate is designed for students to develop administrative support skills that can be delivered virtually. These skills include in-depth computer applications, emerging office technology, transcription, and other general clerical skills. Graduates of this program have opportunities to work as employees who telecommute or are independent contractors providing much-needed administrative support skills to a wide variety of organizations.

Contact Information:
Business & Professional Programs Division
Hedlund Building, Room 101
Phone: (208) 769-3226
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=80)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BLDR-120</td>
<td>Financial Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>BUSA-101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-115</td>
<td>Outlook</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-120</td>
<td>Word Processing/Word I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-121</td>
<td>Word Processing/Word II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-122</td>
<td>Word Processing/Word III</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-140</td>
<td>Database/Access I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-164</td>
<td>Computer Fundamentals for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-166</td>
<td>Living Online for Technical Programs</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-183</td>
<td>Business Editing and Proofreading</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAOT-130</td>
<td>Spreadsheets/Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-131</td>
<td>Spreadsheets/Excel II</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-132</td>
<td>Spreadsheets/Excel III</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-150</td>
<td>PowerPoint</td>
<td>1</td>
</tr>
<tr>
<td>CAOT-184</td>
<td>Records Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-205</td>
<td>Business Document Formatting/Transcription</td>
<td>2</td>
</tr>
<tr>
<td>CAOT-210</td>
<td>Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-220</td>
<td>Administrative Support Internship I</td>
<td>3</td>
</tr>
<tr>
<td>CAOT-250</td>
<td>Office Skills Capstone</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

Course Key

- GEM
- Passport
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in an entry-level virtual office position.
- Use integrated computational skills to solve a variety of business applications such as inventory, payroll, calculating interest, and budget monitoring.
- Describe the changing work environment and the skills needed by the Administrative Assistant to function in a changing work environment.
- Organize and prioritize time and tasks within a business environment.
- Examine planning and leadership skills and characteristics and evaluate the role they play in organizational success.
- Use problem solving, interpersonal, and collaborative skills to complete work independently or in a team in an ethical and professional manner.
- Utilize business terminology and vocabulary to communicate in both written and oral forms following rules of confidentiality.
- Develop, edit, format, and proofread, correspondence that meet acceptable business standards.
- Develop and apply project management, records management, and organizational skills to complete office tasks and projects.
- Use a variety of computer applications to produce multiple documents required in a variety of office settings.
- Conduct internet searches to locate business information; analyze and evaluate its useful in given business scenarios.
- Demonstrate the ability to use innovative technologies (such as teleconferences, webinars, blogs, social media, web pages, cloud-based platforms, etc.) in an office environment.
- Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.
The Wastewater Treatment Plant Technology Program is a multifaceted program that utilizes many areas of mechanics including electronics, automation, computers, hydraulics, programmable logic controllers, electrical systems, and mechanical systems. The program is designed to prepare students for employment as entry-level wastewater treatment plant technicians and emphasizes extensive practical experience in both theory and laboratory settings using mock-up equipment and assemblies similar to those found in the industry. Instruction advances many of the concepts learned in the Industrial Mechanics/Millwright and Mechatronics programs and includes theory, troubleshooting, and hands-on application in mechatronics, programmable logic controllers, pneumatics, AC and DC electrical systems, hydraulics, and motor control.

Successful completion of each semester and/or permission of the instructor is required for acceptance into the next semester. Placement in specific English and math courses is determined by the college assessment test.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448

Program Outcomes
Upon completion of the program, students will be able to:

- Adhere to safety, health, and environmental rules and regulations.
- Selection and safe use of hand and power tools.
- Accurately use precision measurement tools.
- Ability to install, troubleshoot, and test components in a basic hydraulic circuit.
- Ability to perform machine maintenance procedures.
- Ability to perform systems troubleshooting methodologies.
- Ability to install and test AC and DC electrical motors.
- Ability to install and test electro-fluid power components and circuits.
- Ability to perform installation, troubleshooting, and maintenance on PLC's.
- Ability to perform basic welding procedures.
- Ability to perform mechanical drive systems repair procedures.
- Ability to perform equipment installation and alignment.
- Ability to perform maintenance on seals, pumps, and bearings.
- Ability to perform advanced electrical motor control repair.
Welding Technology (AAS)
Associate of Applied Science

Career-Technical Program
Interest Areas:
   Manufacturing and Trades

This program is designed to prepare students for entry-level employment as a welder. The program complies with national standards established by the American Welding Society (AWS). It combines theory and applied shop practice designed to develop welding skills. Students receive instruction on welding processes including OAC (oxy-acetylene cutting), SMAW (shielded metal arc welding), GMAW (gas metal arc welding), and GTAW (gas tungsten arc welding), as well as blueprint reading, layout procedures, metallurgy, and safety.

Successful completion of each semester and/or permission of the instructor is required for acceptance into the next semester. Placement in specific English and math courses is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=82)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-105</td>
<td>Welding Theory</td>
<td>2</td>
</tr>
<tr>
<td>WELD-112</td>
<td>Safety and Leadership</td>
<td>2</td>
</tr>
<tr>
<td>WELD-121</td>
<td>Blueprint Reading for Welders</td>
<td>2</td>
</tr>
<tr>
<td>WELD-187L</td>
<td>SMAW Practical</td>
<td>4</td>
</tr>
<tr>
<td>WELD-188L</td>
<td>Advanced SMAW Practical</td>
<td>1</td>
</tr>
<tr>
<td>WELD-197L</td>
<td>Oxy/Fuel Cutting Lab</td>
<td>1</td>
</tr>
<tr>
<td>GEM 3 - A.A.S. Mathematical Ways of Knowing</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15-17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-106</td>
<td>Welding Theory II</td>
<td>2</td>
</tr>
<tr>
<td>WELD-131</td>
<td>Advanced Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>WELD-182L</td>
<td>Welding Lab II</td>
<td>6</td>
</tr>
<tr>
<td>ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-225</td>
<td>Advanced Welding Theory</td>
<td>3</td>
</tr>
<tr>
<td>WELD-226</td>
<td>Layout/Mechanical Drawing</td>
<td>2</td>
</tr>
<tr>
<td>WELD-281L</td>
<td>Shielded Metal Arc Welding</td>
<td>7</td>
</tr>
<tr>
<td>COMM-101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>A.A.S. Institutionally Designated</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

Course Key

- GEM
- WICHE
- AAS
- Institutionally Designated
- Gateway
- Milestone

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate and apply the proper safety requirements for set-up and operation of welding and fabrication equipment per industry standards and specifications.
- Demonstrate proper welding techniques in SMAW, GMAW, FCAW, OFC, CAC-A and PAC processes on structural steel.
- Interpret and create welding blueprints and shop drawings that are used in the welding industry and in the lab environment.
- Interpret and apply AWS welding symbols and non-destructive symbols that are standard to the welding industry.
- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in the welding industry.
- Demonstrate the proper welding techniques in SMAW, FCAW, GMAW, GTAW, OFC, and CAC-A processes on pipe.
- Apply common principles and practices of welding metallurgy and its effects in the welding, heating, and cooling of different metals.
- Describe the concept of quality, and be able to produce quality welds per industry standards per quality control documents and codes.

In addition to the program outcomes, students will meet the following North Idaho College General Education (GEM) Requirements: Written and Oral Communication; Mathematical Ways of Knowing; Social and Behavioral Ways of Knowing; and an additional program-designated or selected course from any of the GEM requirements.
Welding Technology (ATC)
Advanced Technical Certificate

Career-Technical Program
Interest Areas:
Manufacturing and Trades

This program is designed to prepare students for entry-level employment as a welder. The program complies with national standards established by the American Welding Society (AWS). It combines theory and applied shop practice designed to develop welding skills. Students receive instruction on welding processes including OAC (oxy-acetylene cutting), SMAW (shielded metal arc welding), GMAW (gas metal arc welding), and GTAW (gas tungsten arc welding), as well as blueprint reading, layout procedures, metallurgy, and safety.

Successful completion of each semester and/or permission of the instructor is required for acceptance into the next semester. Placement in specific English and math courses is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=82)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-105</td>
<td>Welding Theory</td>
<td>2</td>
</tr>
<tr>
<td>WELD-112</td>
<td>Safety and Leadership</td>
<td>2</td>
</tr>
<tr>
<td>WELD-121</td>
<td>Blueprint Reading for Welders</td>
<td>2</td>
</tr>
<tr>
<td>WELD-187L</td>
<td>SMAW Practical</td>
<td>4</td>
</tr>
<tr>
<td>WELD-188L</td>
<td>Advanced SMAW Practical</td>
<td>1</td>
</tr>
<tr>
<td>WELD-197L</td>
<td>Oxy/Fuel Cutting Lab</td>
<td>1</td>
</tr>
<tr>
<td>MCTE-106</td>
<td>Technical Mathematics for Industrial Mechanic/</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Millwright; HVAC; Welding</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-106</td>
<td>Welding Theory II</td>
<td>2</td>
</tr>
<tr>
<td>WELD-131</td>
<td>Advanced Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>WELD-182L</td>
<td>Welding Lab II</td>
<td>6</td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing or Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>or ENGL-101</td>
<td></td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-225</td>
<td>Advanced Welding Theory</td>
<td>3</td>
</tr>
<tr>
<td>WELD-226</td>
<td>Layout/Mechanical Drawing</td>
<td>2</td>
</tr>
<tr>
<td>WELD-281L</td>
<td>Shielded Metal Arc Welding</td>
<td>7</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Course Key

GEM   WICHE   AAS   Institutionally Designated

Program Outcomes

Upon completion of the program, students will be able to:

- Demonstrate and apply the proper safety requirements for set-up and operation of welding and fabrication equipment per industry standards and specifications.
- Demonstrate proper welding techniques in SMAW, GMAW, FCAW, OFC, CAC-A and PAC processes on structural steel.
- Interpret and create welding blueprints and shop drawings that are used in the welding industry and in the lab environment.
- Interpret and apply AWS welding symbols and non-destructive symbols that are standard to the welding industry.
- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in the welding industry.
- Demonstrate the proper welding techniques in SMAW, FCAW, GMAW, GTAW, OFC, and CAC-A processes on pipe.
- Apply common principles and practices of welding metallurgy and its effects in the welding, heating, and cooling of different metals.
- Describe the concept of quality, and be able to produce quality welds per industry standards per quality control documents and codes.
Welding Technology (ITC)
Intermediate Technical Certificate

Career-Technical Program
Interest Areas:
    Manufacturing and Trades

This program is designed to prepare students for entry-level employment as a welder. The program complies with national standards established by the American Welding Society (AWS). It combines theory and applied shop practice designed to develop welding skills. Students receive instruction on welding processes including OAC (oxy-acetylene cutting), SMAW (shielded metal arc welding), GMAW (gas metal arc welding), and GTAW (gas tungsten arc welding), as well as blueprint reading, layout procedures, metallurgy, and safety.

Successful completion of each semester and/or permission of the instructor is required for acceptance into the next semester. Placement in specific English and math courses is determined by the college assessment test.

Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.

Contact Information:
Trades & Industry Division
Parker Technical Education Center
7064 West Lancaster Road
Rathdrum, ID 83858
Phone: (208) 769-3448
Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=82)

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-105</td>
<td>Welding Theory</td>
<td>2</td>
</tr>
<tr>
<td>WELD-112</td>
<td>Safety and Leadership</td>
<td>2</td>
</tr>
<tr>
<td>WELD-121</td>
<td>Blueprint Reading for Welders</td>
<td>2</td>
</tr>
<tr>
<td>WELD-187L</td>
<td>SMAW Practical</td>
<td>4</td>
</tr>
<tr>
<td>WELD-188L</td>
<td>Advanced SMAW Practical</td>
<td>1</td>
</tr>
<tr>
<td>WELD-197L</td>
<td>Oxy/Fuel Cutting Lab</td>
<td>1</td>
</tr>
<tr>
<td>MCTE-106</td>
<td>Technical Mathematics for Industrial Mechanic/ Millwright; HVAC; Welding</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>15</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD-106</td>
<td>Welding Theory II</td>
<td>2</td>
</tr>
<tr>
<td>WELD-131</td>
<td>Advanced Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>WELD-182L</td>
<td>Welding Lab II</td>
<td>6</td>
</tr>
<tr>
<td>ATEC-117</td>
<td>Occupational Relations and Job Search</td>
<td>2</td>
</tr>
<tr>
<td>ECTE-100</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL-101</td>
<td>Writing and Rhetoric I</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>31</strong></td>
<td></td>
</tr>
</tbody>
</table>
COURSE OFFERINGS

Requisite Types

Co-requisite
A course that must be taken concurrently with another course or courses unless it was previously completed with a required minimum grade.

Pre-requisite
A requirement that must be met before a student can enroll in a course. This may include, but is not limited to: completion of other courses, sophomore standing, instructor permission, placement scores, or acceptance in certain programs.

Recommended
An identified course in which skill levels are established and will assure success completion. Recommendations should be carefully considered, but are not required.

Course Numbers

<table>
<thead>
<tr>
<th>Course Numbers</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>001 - 099</td>
<td>Courses are non-transferrable and do not apply toward academic degrees. They may be required for some A.A.S. degrees.</td>
</tr>
<tr>
<td>100 - 199</td>
<td>Lower division courses primarily for freshman.</td>
</tr>
<tr>
<td>200 - 299</td>
<td>Lower division courses primarily for sophomores.</td>
</tr>
<tr>
<td>300 - 399</td>
<td>Upper division courses in select disciplines for undergraduates.</td>
</tr>
</tbody>
</table>

Special Course Numbers

203 - Workshop
Certain courses that are of a short duration are typically called workshops. They are conducted by qualified NIC faculty members or other authorities in a particular field. Six credits maximum may be applied toward graduation. Instructor permission required.

097- or 197- Special Topic
Semester length courses dealing with unique subject or timely topics conducted by qualified faculty or authorities in a particular field.

290 - Internship
An off-campus experience directed by an on-site supervisor, but overseen by a faculty member designated to provide the student with an opportunity to observe and/or participate in a job-related activity that falls within the student’s field of study. Six credits maximum may be applied toward graduation. Instructor permission required.

297 - Professional Development
Non-credit professional development courses for K-12 certified teachers offered at a set cost that may be taken by NIC faculty toward professional development workshop hours.

298 - Practicum
An out-of-classroom experience designed to give the student an opportunity to apply principles learned in academic course work to specific community-related or employment-related situations. Practicums are overseen by a faculty member. Eight credits maximum may be applied toward graduation. Instructor permission required.

299 - Independent Study
An individual study involving reading or a project that is offered on demand only. Six credit maximum may be applied toward graduation. Sophomore standing and instructor permission required.

Directed and Independent Study Courses

Directed Studies
Courses in which the content is identical to courses outlined in the catalog. A student must demonstrate that the course is required for graduation or program purposes and that taking the course through directed study is the only option available to them. Directed study courses must be approved by the instructor, appropriate division chair, dean, and the Vice President for Instruction. Students may register for directed study classes during the first two weeks of the semester or the first week of Summer Session.

Independent Studies
Courses which are available in most academic disciplines in which the course content, learning, and evaluative criteria are developed primarily by the student with the guidance of an instructor. Independent studies may include readings and a project and must be approved by the instructor, appropriate division chair, dean, and Vice President for Instruction. These courses are open to students with a 3.0 GPA who have successfully completed 30 semester credits.

Students may not enroll in more than three credits of independent study per semester or six credits per year. Credits earned may not be used to fulfill associate’s degree core requirements. Students may register for independent study classes during the first two weeks of the semester or the first week of summer session. Contact Cardinal Central for more information.
ACCT-110 Small Business Accounting
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course introduces students to accounting procedures for individual proprietorship businesses. Emphasis is placed on the accounting cycle, double-entry accounting, payroll, and procedures for handling transactions associated with both service and merchandising businesses. Students will practice proper accounting procedures manually and/or on spreadsheet software. It is also helpful to those who want to upgrade business skills for improved employability. Students may not receive duplicate credit for ACCT-110 and ACCT-201.

ACCT-111 Small Business Accounting II
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of ACCT-110 with an introduction to accounting procedures for partnerships and corporations. Emphasis will include asset valuation, inventory valuation, and financial statement analysis for small businesses.
Prerequisites: ACCT-110 or ACCT-201

ACCT-113 Payroll Accounting
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an in-depth study of payroll procedures. Included are a discussion of employees and independent contractors, how to calculate gross wages for hourly and salaried employees, mandatory and voluntary withholdings, employer taxes, recording payroll, and state and federal record keeping requirements. Current tax rates and current tax forms will be used. Some emphasis will be placed on computerized payroll accounting. Completion of a payroll practice set is required.
Prerequisites: ACCT-110 or ACCT-201

ACCT-140 QuickBooks
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction to computerized accounting using QuickBooks. The course will focus on accounting for service and merchandising businesses with emphasis on sales and receivables, purchases and payables, general accounting, payroll accounting, and end-of-period procedures. A manual accounting system versus a computerized system will also be discussed.
Prerequisites: ACCT-110 or ACCT-201

ACCT-142 QuickBooks Online Computerized Accounting
1 Credit
Lecture: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course will introduce students to the concepts of computerized accounting using QuickBooks Online software. The course will review basic accounting principles used in accurate accounting records.
Pre/Corequisites: ACCT-110 or ACCT-201

ACCT-150 10-Key Skill Building
1 Credit
Lab: 1 hour per week
Offering: Fall and Spring Only, All Years
This course is a self-paced course provided by online delivery. It is intended to introduce the methods used for 10-key data entry and calculators using a computer program and number key pad. Students must master the correct keystrokes and a minimum speed of 9,000 keystrokes per hour with no mistakes for minimum successful completion (a passing grade of C).
Recommended Prerequisites: Some keyboarding proficiency.

ACCT-201 Principles of Accounting
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is an introduction to contemporary financial accounting. It emphasizes basic terminology and concepts, the theoretical framework of double entry accounting, and descriptions and derivation of the primary financial statements prepared by accountants. Upon completion of ACCT-201, students may not receive credit for ACCT-110 and/or ACCT-111.

ACCT-202 Managerial Accounting
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is a continuation of ACCT-201 with emphasis on accounting theory and procedures relating to corporations. Manufacturing accounting and accounting for managerial decision making, including analysis and interpretations of financial statements and introduction to cost behavior, is emphasized.
Prerequisites: ACCT-201

ACCT-242 Cost Accounting
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is designed to meet the needs of students preparing for a career in financial or cost accounting. Upon completion of this course, students will apply cost concepts and will demonstrate an understanding of cost behavior and accounting cost techniques used in manufacturing, merchandising, and service businesses.
Prerequisites: ACCT-111 or ACCT-202

ACCT-243 Accounting Ethics Fraud Examination
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course will introduce students to the concepts of ethical reasoning, integrity, objectivity, social responsibility, core philosophies, and professional issues in accounting. Students will apply the concepts and theories to accounting cases. Students will learn how and why accounting fraud is committed, how to assess where an organization is at the greatest risk for fraud, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved.
Pre/Corequisites: ACCT-111 or ACCT-202
ACCT-244 Credit and Collections
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an introduction to credit and its role in the economy. Topics to be covered will include understanding consumer and business credit, management and analysis of consumer and business credit, international trade credit, and collection management and control. Focus will be on decision making in granting credit and collection policies and procedures including current laws affecting collections.
Pre/Corequisites: ACCT-111 or ACCT-202

ACCT-246 Current Business Taxes
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides necessary information to bookkeepers and business owners about local, state, and federal taxes that are currently paid by area businesses. The course will examine business licenses, property tax, sales and use tax, income tax on corporations, and payroll related taxes. Other federal compliance reports will also be discussed. Current tax rates and current tax forms will be used. Guest speakers will explain the history, current taxing environment, and benefits related to particular taxes.
Prerequisites: ACCT-111 or ACCT-202

ACCT-248 Accounting Internship
4 Credits
Lecture: 1 hour per week, Internship: 9 hours per week
Offering: Fall and Spring Only, All Years
This course is the capstone course for the Accounting Assistant program and should be taken after the completion of all required accounting courses. This course consists of on-campus meetings, as well as 135 hours of an off-campus internship which allows for the practical application of concepts learned throughout the program. Emphasis will be on accounting records of an existing business, records management, efficient telephone use, employee/employer relations, customer service, resumes, cover letters, interview techniques, and stress/time management.
Prerequisites: ACCT-140, ACCT-244, ACCT-246
Pre/Corequisites: ACCT-113
Allied Health (ALTH)

ALTH-107 Communication for Health Professionals
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, All Years
This course provides allied health students the opportunity to develop communication skills necessary for effective helping and teamwork relationships.

ALTH-108 Infection Prevention
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is an introduction to concepts regarding infection/prevention and control with major emphasis on the bloodborne pathogens HIV and Hepatitis B. Modes of transmission, prevention and OSHA standards for bloodborne pathogens, basic pathophysiology of HIV and Hepatitis B, and current treatments will be defined. Legal and ethical issues about these diseases will also be discussed.

ALTH-110 Over the Counter Herbal Medications
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course provides an overview of the significance of over-the-counter (OTC) and herbal drug therapy in our society. The role of the pharmacy technician in selling and providing information about OTC and herbal therapy will be reviewed. Therapeutic drug classifications, indications, dosage forms, major ingredients, common side effects, and significant drug interactions will be covered for OTC drugs. For herbal medications, students will learn to associate the names of herbal medications with common uses, recognize potential adverse effects, and be aware of potential drug interactions between herbs and conventional medication. Federal regulation of OTC and herbal medications will be reviewed.

ALTH-130 Nursing Assistant (CNA)
5 Credits
Lecture: 4 hours per week, Lab: 4 hours per week
Offering: Fall, Spring, and Summer, All Years
Nursing Assistant (CNA) serves as an introduction to health care as a provider. The course prepares students to provide basic physical and environmental care for individuals in a variety of health care and home care settings. The course is designed as competency-based education, meaning that students will be required to demonstrate the knowledge and skills they have acquired. At the completion of this course, the students will be eligible to take the state mandate written and clinical skills exams. Successful completion of the state exams meets all the requirements of P.L. 100-203, Omnibus Budget Reconciliation Act (OBRA), of 1987.
American Indian Studies (AIST)

AIST-101 American Indian Studies
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides a general overview of American Indian history, culture, philosophy, religious practices, music, art, literature, tribal law, government, and sovereignty. The course will focus on both traditional and contemporary cultures with an emphasis on issues in American Indian life. The course will also cover the origins and development of content and method in American Indian studies, focusing on patterns of persistence and change in American Indian communities, especially political, linguistic, social, legal, and cultural change.

AIST-225 Native People of North America
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course offers an examination of who the North American Indians are and who they were. Various facets of Indian culture are explored, including hunting, religion, art, living styles, foods, and relationships between the Native American tribes both now and in the past. AIST-225 is an interesting course for students curious about Native Americans and their relationship with the environment. This course is the same as ANTH-225.
Recommended Prerequisites: ANTH-100

AIST-240 American Indian History
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a historical overview of post-contact Indian and non-Indian relations and their effect on Indian culture, including reactions, adaptations, and conflicts in social, political, and economic systems. Some emphasis will be placed on prominent Indian personages and geographical groups, their migrations and intertribal and U.S government relationships, including federal Indian policy. Students will gain a deeper sense of "nations" and an understanding of the importance of tribal heritage and identify from a historical perspective. This course is the same as HIST-240.
Prerequisites: ENGL-101

AIST-250 American Indian Sovereignty and Federal Policy
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a critical overview of American Indian Sovereignty as it relates to citizenry, history, governance, culture, ideology, tribal case law, practices, literature, tribal law, treaty rights, tribal gaming, and environmental (land and water) rights. The course will focus on the cultural and political relationship of indigenous communities and the United States by drawing upon decolonization methods and critical race theory with an emphasis on issues in American Indian experience. The course will also cover the contemporary case law affecting indigenous communities in the Pacific Northwest, specifically political, linguistic, social, legal, and cultural shifts.
Prerequisites: AIST-101

AIST-285 American Indian Literature
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores traditional American Indian world views and belief systems as reflected in myths and legends, as well as contemporary poetry, short stories, and novels by Native Americans. The difference between American Indian and Eurocentric world views and the implications of these differences will be considered, as illustrated in literature. The course will also explore political, sociological, and psychological effects on American Indians of U.S. governmental policies and actions taken in regard to various tribes. This course is the same as ENGL-285.
Prerequisites: ENGL-101
Recommended Prerequisites: ENGL-175
American Sign Language (ASL)

ASL-101 Elementary American Sign Language I
5 Credits
Lecture: 5 hours per week
Offering: Fall Only, All Years
This course is an introduction to American Sign Language. It creates a visual-gestural environment that introduces ASL grammar and vocabulary without presenting English equivalents. This course includes interactive activities, cultural awareness education, and individual feedback. Emphasis is on appropriate language use in common communication settings. ASL-101 will prepare students for ASL-102.

ASL-102 Elementary American Sign Language II
5 Credits
Lecture: 5 hours per week
Offering: Spring Only, All Years
This course is designed for students continuing from ASL-101. It creates a visual-gestural environment that introduces ASL grammar and vocabulary without presenting English equivalents. This course includes interactive activities, cultural awareness education, and individual feedback. Emphasis is on appropriate language use in common communication settings. ASL-102 will prepare students for intermediate ASL classes at other colleges/universities to satisfy cultural diversity and/or foreign language requirements (depending on the institution).
Prerequisites: ASL-101

ASL-126 Introduction to the Signing Professions
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an introduction to, and overview of, career possibilities for students who pursue the ASL Studies program at North Idaho College. This course emphasizes various career options and paths within the signing professions and the cultural and professional requirements for such careers. It includes an explanation of the ASL Studies program at NIC as well as requirements and transfer options. This course also introduces concepts about the various signed systems in the United States and the Deaf community.

ASL-184 Open Door ASL I
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course is an 8-week, 2-credit class intended to be taken before ASL-185. This course focuses on the needs of those who are, or will be, working in the community in occupations where a basic knowledge of American Sign Language (ASL) and Deaf culture is needed. This course is ideal for non-degree seeking students and non-ASL Studies majors. The course is not designed as an alternative to the traditional ASL-101, 102, 201, 202 sequence, but will focus on the special vocabulary, basic grammatical structures, and cultural insights needed to effectively serve the ASL using community. Special emphasis is placed on sign proficiency as it related to various real-world applications. This one-semester course does not satisfy the prerequisite for ASL-102. It will be taught primarily in English.

ASL-185 Open Door ASL II
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course is a continuation of ASL-184. ASL-185 will continue to focus on the special vocabulary, basic grammatical structures, and cultural insights needed to effectively serve the ASL using community. Special emphasis is placed on sign proficiency as it related to various real-world applications.
Prerequisites: ASL-184

ASL-201 Intermediate American Sign Language I
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course is designed for students continuing from ASL-102. It continues the learning process in visual-gestural environment and enforces linguistic/grammatical principles in the use of the target language. The English Glossing and Transcription systems will be introduced to help accelerate vocabulary acquisition. This course includes interactive activities, cultural awareness education, and individual feedback. Emphasis is on appropriate language use in common and uncommon communication settings.
Prerequisites: ASL-102

ASL-202 Intermediate American Sign Language II
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course is a continuation of ASL-201. ASL-202 Intermediate American Sign Language II continues the learning process in visual-gestural environment and enforces linguistic/grammatical principles in the use of the target language. The English Glossing and Transcription systems will be introduced to help accelerate vocabulary acquisition. This course includes interactive activities, cultural awareness education, and individual feedback. Emphasis is on appropriate language use in common and uncommon communication settings.
Prerequisites: ASL-201

ASL-205 Intermediate ASL Conversation
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is for students who wish to further their conversational skills in American Sign Language (ASL) at the intermediate level. The emphasis is on the development of expressive and receptive discourse skills as well as the acquisition of cultural and linguistic knowledge related to specific ASL-using communities. This course is conducted entirely in ASL.
Prerequisites: ASL-102

ASL-207 Deaf Culture and Community
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course examines the works of prominent people and events that support the history and evolution of Deaf culture. Comparisons are drawn from broader, parallel, fundamental studies on language and culture. Materials emphasize current issues relating to language study and minority group dynamics. This course will also address dynamics within family groups and/or educational institutions, cross-cultural issues, culturally appropriate behavior in the Deaf community, and the structure and development of the Deaf community.
Prerequisites: ASL-101 or ASL-184
Recommended Prerequisites: ENGL-101
ASL-210 Linguistics of ASL
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is designed to examine the linguistic properties of ASL, including phonology, morphology, syntax, semantics, and how signed languages differ and are similar to spoken languages. Students will be introduced to the linguistic and culturally based communication issues that impact the process between Deaf and hearing persons.
Prerequisites: ASL-102
Recommended Prerequisites: ENGL-101

ASL-225 Introduction to the Interpreting Profession
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course introduces students to the interpreting profession and discusses theories and models of interpreting, history, and terminology within the profession. It emphasizes employment options and common work settings, sign systems, and ethical considerations as related to stakeholders within the interpreting field.
Prerequisites: ASL-101

ASL-260 Creative Sign Language
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is performance based and introduces sign language students to enhanced forms of signing beyond conversation. Features of ASL are integrated with common forms of literature performed in the community. Subjects include pantomime, storytelling, poetry, and songs of Deaf and hearing artists.
Prerequisites: ASL-201
Recommended Prerequisites: ASL-207, ENGL-101
Anthropology (ANTH)

ANTH-100 Introduction to Anthropology
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides a basic understanding of the four subfields of anthropology: biological anthropology, archaeology, linguistics, and sociocultural anthropology. The course introduces foundational concepts, theories, and methods used by anthropologists to examine human cultural and biological variation through time and space. Emphasis is placed upon how the science of anthropology can be applied to help understand and solve contemporary problems.

ANTH-102 Cultural Anthropology
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a detailed overview of cultural anthropology. The course examines foundational concepts, methods, and theories used by anthropologists to examine the diversity of cultural practices and beliefs that exist throughout the world. Topics include: language, kinship, religion, magic, witchcraft, political systems, gender, and inequality among others. Emphasis is placed upon the comparative study of indigenous communities and how the science of cultural anthropology can be applied to help understand and solve contemporary problems.

ANTH-225 Native People of North America
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides a general overview of North American Indian cultures. The course includes foundational concepts and methods used by anthropologists to better understand the diversity of indigenous beliefs and practices historically and today. This includes the examination of language, religion, subsistence, political systems, kinship, political systems, and contemporary issues among others. Emphasis is placed upon understanding and solving contemporary issues. This course is the same as AIST-225.

Recommended Prerequisites: ANTH-100

ANTH-230 Introduction to Archaeology and World Prehistory
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides a detailed overview of world prehistory through archaeology. The course introduces foundational concepts, methods, and theories used by archaeologists to examine human biological and cultural diversity in prehistory. This includes the examination of the origin of humans, evidence of first stone tools, artifact analysis, dating techniques, origins of agriculture, and the rise of early states. Emphasis is placed upon how knowledge gained from past human experiences can help us to understand and solve contemporary problems.

Recommended Prerequisites: ANTH-100

ANTH-251 Introduction to Biological Anthropology
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a detailed overview of biological anthropology. The course comprises foundational concepts, methods, and theories used by anthropologists to better understand human biological diversity across time and space. This includes the examination of evolutionary theory, genetics, comparative anatomy, primate studies, and key archaeological finds to evaluate where, when, how, and why humans have evolved to be the organisms that we are today. Emphasis is placed upon how the science of biological anthropology can be applied to help understand and solve contemporary problems.

Recommended Prerequisites: ANTH-100
Applied Technology (ATEC)

ATEC-110 Successful Job Search
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, All Years
This course serves as an introduction to the fundamental techniques necessary to gain entry-level employment. Its underlying assumption is that it is better to teach someone how to find his or her own job, than to find one for that person. Techniques include identifying skills, resumes, interviewing, and conducting a successful job search.

ATEC-117 Occupational Relations and Job Search
2 Credits
Lecture: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is designed to expose students to a variety of skills for workplace success. Topics to be discussed include learning styles, change, communications, conflict, work teams, leadership, and attitude. Students will also explore the fundamental techniques necessary to get a job, such as matching skills to job requirements, writing resumes and cover letters, and learning strategies for successful interviewing.
Art (ART)

ART-100 Introduction to Art
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is designed to create a greater aesthetic understanding and appreciation of the various visual arts. Emphasis will be on painting, sculpture, architecture, and related art forms. When appropriate, gallery tours, films, and visiting artists will be included. A basic understanding of visual art coordinates with the principles emphasized in studio art classes. This course is appropriate for both non-art students and art majors who wish to view art with greater awareness and respond to and evaluate art with approaches that are both objective and critically subjective.

ART-101 Art History from Caves to Cathedrals
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course offers a historical survey of visual art from prehistoric societies to the 12th century. Through study of significant works of visual art, including architecture, sculpture, and painting, students develop aesthetic awareness along with an understanding of the societies and cultural contexts pivotal to the development of European and non-European art. This process enables the student to make connections to contemporary society and culture. No prior course or experience with art or history is required.

ART-102 Art History from Da Vinci to Digital
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course offers a historical survey of visual art from the 1300s to the present. Through study of significant works of visual art, including architecture, sculpture, painting, and current digital arts, the course emphasizes the struggle to find a universal visual language for a world of changing values, new institutions, and unprecedented diversity. This course develops students' understanding of the interconnections of visual art within diverse societies and cultural contexts. Students learn how creative expression and visual communication relate to contemporary society and culture. No prior course or experience with art or history is required.

ART-111 Drawing I
2 Credits
Lecture/Lab: 4 hours per week
Offering: Fall and Spring Only, All Years
This course offers instruction in the use of basic art fundamentals as they relate to three-dimensional problems. ART-111 helps students to channel conceptual thinking and to organize and master skills of the basic elements of art. The course is necessary for the artist/designer in all fields.

ART-112 Drawing II
Lecture/Lab: 4 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of ART-111 with an emphasis on personal artistic expression and imagery. Students will be exposed to a variety of drawing mediums and approaches to the picture plane. Traditional, as well as contemporary trends in drawing, will be explored.
Prerequisites: ART-111

ART-121 2-D/Design Foundations I
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall Only, All Years
This course offers instruction in the design process with consideration of abstract/concrete and intangible/tangible elements. These design elements are explored through various media in two-dimensional problems. ART-121 helps students to channel conceptual thinking and to organize and master skills of the basic elements of art. The course is necessary for the artist/designer in all fields.

ART-122 3-D/Design Foundations II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Spring Only, All Years
This course offers instruction in the use of basic art fundamentals as applied to three-dimensional art work and the creative concepts evolving from these properties. This course helps students to channel conceptual thinking and organize and master skills of the basic elements of art as they relate to three-dimensional expression. Design II is important for artists and designers in all fields.

ART-217 Life Drawing I
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course offers an exploration of various media to develop an artistic understanding of the human form. Emphasis will include both anatomical analysis and interpretive drawing of the undraped and draped model. ART-217 helps to develop eye/hand coordination that is important for careers in applied arts and fine arts.
Pre/Corequisites: ART-112

ART-218 Life Drawing II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Spring Only, All Years
This course is an exploration in the artistic expression of the draped and undraped human form. Included will be drawing in various media from the model with an emphasis on personal interpretation. ART-218 offers a basis for development in any of the visual arts. The course equally accommodates the gestural artist and the technical illustrator.
Prerequisites: ART-111, ART-112
ART-231 Beginning Painting I
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course develops competence with the oil paint medium through specific assignments designed to emphasize composition and the fundamentals of painting and color. Attention is given to visual thinking, exploration, exposure to materials, and technical procedures. The course is structured around individual instruction and group critiques. ART-231 helps develop ideas and competence with a creative medium. It promotes the articulation of feelings and objectives through a descriptive visual vocabulary. Class supplies are to be purchased by the student.

ART-232 Beginning Painting II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course offers additional instruction in the knowledge and understanding of the paint medium with special emphasis on personal development. The course is structured around personal instruction and group critiques. Beginning Painting II encourages divergent thinking and different approaches with the medium through the presentation of abstract concepts. Class supplies are to be purchased by the student.

ART-241 Sculpture I
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course provides an introduction to ideas and materials designed to facilitate the student's response to three-dimensional forms. Emphasis is on concepts of modeling, carving, and constructing. This course promotes confidence for the three-dimensional artist through technical fundamentals.

ART-242 Sculpture II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of Sculpture I. The course explores problems of greater complexity through both technical and personal involvement. The course further develops the necessary skills for three-dimensional work.

ART-245 Intermediate Painting I
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course is structured to meet students' needs and interests with an emphasis on creative expression and exploration beyond the visual image. The course includes individual instruction and group critiques. It promotes an appreciation for the complexity of the medium and the range of possibilities associated with it. It is intended for the intermediate student who has a firm understanding of the properties and fundamentals of this studio discipline. Class supplies are to be purchased by the student.
Prerequisites: ART-231, ART-232

ART-246 Intermediate Painting II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of ART-245. The course focuses on developing students' greater understanding of personal intent, continuing creative expression, and exploration beyond the visual image. The course offers individual instruction and group critiques. Class supplies are to be purchased by the student.
Prerequisites: ART-231, ART-232

ART-251 Printmaking I
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall Only, All Years
This course explores the relief printmaking processes of woodcut, linocut, wood engraving, and collagraph. Emphasis is on developing compositional and design skills using the various methods, techniques, and exploration of materials. Additional focus will be placed on the historical influence of each medium and its relationship to other artistic expressions. The course is structured around individual instruction, group critiques, lectures/slides, and studio time.

ART-252 Printmaking II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall Only, All Years
This course provides additional exploration of the relief printmaking process. While concentrating on linocuts and one other medium of choice, the course explores various techniques and methods of printmaking. Focus is on developing compositional and design skills, using color, and developing personal expression. The course is structured around individual instruction, group critiques, lectures/slides, and studio time.

ART-261 Ceramics I
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course introduces the student to wheel-thrown and handbuilt clay forming techniques, ceramic design concepts, and glaze experimentation. Emphasis is on the development of fundamental skills and understanding the creative potential of clay. This course helps develop sensitivity of design and aesthetics for the clay objects used daily. The course enhances an appreciation for the creative process and establishes the student as a designer/craftsperson.

ART-262 Ceramics II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of Ceramics I and is structured to develop the creative potential of the student using the medium of clay as a vehicle of communication. The course focuses on continued development of fundamental skills and expressive use of materials. Additional emphasis is placed on establishing individual design criteria and expanding awareness of aesthetic qualities of ceramics as art forms or as utilitarian vessels. This may be repeated for a total of 12 credits.
Prerequisites: ART-261
ART-281 Watercolor I
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course introduces the student to a water-based medium that includes the application of visual and tactile elements and the functions of design. Emphasis will be on visual thinking, exploration, exposure to materials, and technical approaches. Individual instruction and group critiques are utilized. ART-281 helps to develop an appreciation for complexities and the potential for creative expression. Class supplies are to be purchased by the student.

ART-282 Watercolor II
3 Credits
Lecture/Lab: 5 hours per week
Offering: Fall and Spring Only, All Years
This course offers additional instruction in watercolor design to increase student awareness, knowledge, and understanding of the medium's potential. This course introduces mixed media for the purpose of combining with the watercolor medium. Individual approaches are encouraged and personal development is emphasized. This course helps to develop different approaches and divergent thinking through the presentation of abstract concepts. Class supplies are to be purchased by the student.

ART-285 Professional Practices
3 Credits
Lecture/Lab: 3 hours per week
Offering: Spring Only, Even Years
This course provides instruction in the business of art, guides in the development of portfolios, and requires a final exhibition of students' work. Art students transferring to colleges and universities will prepare portfolios, artist statements, and resumes. Moreover, students will learn about the business of fine art and design and its career options. Each student is expected to conduct both traditional and field research, to select from among artwork completed in previous classes for a strong portfolio, to write an essay that articulates the artwork's focus, and to show selected work in a group exhibition.
Automotive Technology (AUTO)

AUTO-102 Automotive Technology Fundamentals and Safety
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to the automotive industry including safety practices, shop equipment and tools, vehicle subsystems, service publications, professional responsibilities and basic automotive maintenance.
Corequisites: AUTO-119L

AUTO-111 Manual Drive Trains and Axles
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course discusses the theory and operation of current, manually-shifted transmissions, transaxles and transfer cases, as well as the theory and operation of drive shafts, axles and differentials as used with passenger cars and light trucks and SUVs.
Corequisites: AUTO-119L
Recommended Corequisites: AUTO-118

AUTO-118 Electrical Systems
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course will cover basic electrical theory, wiring diagrams, test equipment, diagnosis, repair, replacement of electrical components, including battery, starting, charging, and lighting systems. Upon successful completion, the student should be able to properly use wiring diagrams and test equipment to diagnose, test, and repair wiring and lighting in accordance with Automotive Service Excellence (ASE) standards.
Corequisites: AUTO-119L
Recommended Prerequisites: AUTO-111

AUTO-119L Automotive Lab I
7 Credits
Lab: 14 hours per week
Offering: Fall Only, All Years
This course is designed to apply the theory and practices discussed in the corequisite lecture courses through hands-on tasks. Lab activities include, but are not limited to, demonstrations by instructor, assigned tasks utilizing tools, equipment on various mock up and live vehicles and components. Other lab activities may include familiarization of system operation, research of service information, service and repair procedures, as well as component and system diagnosis.
Corequisites: AUTO-111, AUTO-118

AUTO-124 Brakes, Suspension and Steering
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course discusses the theory, operation, diagnosis, adjustment and repair of current braking, steering, and suspension systems as used on current automobiles, light trucks and SUVs. Anti-lock braking systems, stability control systems, tire pressure monitoring systems, tire service and wheel alignment will also be covered.
Prerequisites: AUTO-111, AUTO-118, AUTO-119L
Corequisites: AUTO-129L
Recommended Corequisites: AUTO-127

AUTO-127 Engine Repair
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course will cover the theory, construction, inspection, diagnosis, and repair of internal combustion engines and related systems. Topics include fundamental operating principles of engines and diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon successful completion, a student should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures and service information in accordance with Automotive Service Excellence (ASE) standards.
Prerequisites: AUTO-111, AUTO-118, AUTO-119L
Corequisites: AUTO-129L
Recommended Corequisites: AUTO-124

AUTO-129L Automotive Lab II
7 Credits
Lab: 14 hours per week
Offering: Spring Only, All Years
This course is designed to apply the theory and practices discussed in the corequisite lecture courses through hands-on tasks. Lab activities include, but are not limited to, demonstrations by instructor, assigned tasks utilizing tools, equipment on various mock up and live vehicles and components. Other lab activities may include familiarization of system operation, research of service information, service and repair procedures, as well as component and system diagnosis.
Prerequisites: AUTO-111, AUTO-118, AUTO-119L
Corequisites: AUTO-124, AUTO-127

AUTO-231 Engine Performance I
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course discusses the theory, operation, diagnosis and repair of the mechanical, electrical/electronic, fuel, induction, exhaust and emission systems of the modern internal combustion engine as related to current automobiles, light trucks and SUVs.
Prerequisites: AUTO-111, AUTO-118, AUTO-119L, AUTO-124, AUTO-127, AUTO-129L
Corequisites: AUTO-235L
Recommended Corequisites: AUTO-233
AUTO-233 Electrical Systems II and HVAC
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course discusses the theory, operation, diagnosis and repair of advanced electrical systems and electronic systems, as related to current automobiles, light trucks and SUVs. This course also includes the theory, diagnosis, service practices and repair of the current automotive air conditioning and automatic temperature control systems used with current automobiles, light trucks and SUVs.
Prerequisites: AUTO-111, AUTO-118, AUTO-119L, AUTO-124, AUTO-127, AUTO-129L
Corequisites: AUTO-235L
Recommended Corequisites: AUTO-231

AUTO-235L Advanced Automotive Lab III
7 Credits
Lab: 14 hours per week
Offering: Fall Only, All Years
This course is designed to apply the theory and practices discussed in the corequisite lecture courses through hands-on tasks. Lab activities include, but are not limited to, demonstrations by instructor, assigned tasks utilizing tools, equipment on various mock up and live vehicles and components. Other lab activities may include familiarization of system operation, research of service information, service and repair procedures, as well as component and system diagnosis.
Prerequisites: AUTO-111, AUTO-118, AUTO-119L, AUTO-124, AUTO-127, AUTO-129L
Corequisites: AUTO-231, AUTO-233

AUTO-241 Automatic Transmissions/Transaxles
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course discusses the theory, operation, diagnosis and repair of current, electronically controlled automatic transmissions and transaxles.
Corequisites: AUTO-245L
Recommended Corequisites: AUTO-243

AUTO-243 Engine Performance II
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course focuses on advanced drivability issues that affect engine performance. Emphasis will be on diagnostic strategies. Discussions will involve the function, diagnosis and repair of current automobile systems that affect engine performance and emissions utilizing the diagnostic equipment available. This course is designed for students to prepare for the ASE L1 - Advanced Level Engine Performance Certification test.
Corequisites: AUTO-245L
Recommended Corequisites: AUTO-241

AUTO-245L Advanced Automotive Lab IV
7 Credits
Lab: 14 hours per week
Offering: Spring Only, All Years
This course is designed to apply the theory and practices discussed in the corequisite lecture courses through hands-on tasks. Lab activities include, but are not limited to, demonstrations by instructor, assigned tasks utilizing tools, equipment on various mock up and live vehicles and components. Other lab activities may include familiarization of system operation, research of service information, service and repair procedures, as well as component and system diagnosis.
Corequisites: AUTO-241, AUTO-243
Bacteriology (BACT)

BACT-250 General Microbiology

4 Credits

Lecture: 3 hours per week, Lab: 3 hours per week

Offering: Fall, Spring, and Summer, All Years

This course is an introductory survey of microorganisms emphasizing bacteria as examples of all microorganisms and as models for all living organisms/cells in regard to structure, physiology, and reproduction. This is a fairly rigorous lab course requiring attendance to cover various lab skills of media use, culturing, slide-staining, use of lab materials, and processes relating to microorganisms. This course has applications to programs in life sciences, the medical health field, health sciences, agriculture, food industries, pharmaceutical industries, environmental science, and laboratory research.

Corequisites: BACT-250L

Recommended Prerequisites: BIOL-100 or BIOL-115, CHEM-101
Biology (BIOL)

BIOL-100 <AAS> Concepts of Biology
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides a general overview of evolution, the five kingdoms, DNA, cell structure, genetics, and human systems. BIOL-100 is designed to give non-biology majors a better understanding and appreciation of the living world. It is not intended as a preparation for BIOL-115 or BIOL-175.
Corequisites: BIOL-100L

BIOL-101 Forestry Orientation
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is an introduction to forestry and related natural resources management professions. Students will explore various career opportunities in natural resource management.

BIOL-115 <AAS> Introduction to Life Sciences
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction to the fundamental principles that govern living organisms, including molecular biology, cell biology, homeostasis, reproduction, genetics, and evolution.
Corequisites: BIOL-115L

BIOL-170 Introductory Foods
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course will cover the composition of food and the chemical and biological changes that occur in food preparation.

BIOL-170L Introductory Foods Lab
1 Credit
Lab: 2 hours per week
Offering: Spring Only, All Years
This course is a lab setting to explore the composition of food and the chemical and biological properties that occur in food preparation.

BIOL-174 Human Biology Recitation
1 Credit
Lecture: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction and practical study techniques essential for academic success in Human Biology (BIOL-175). This course emphasizes note-taking, scientific writing, vocabulary skills, and utilizing online and traditional resources to prepare for taking human biology exams. Activities and assignments will occur in class and online.
Corequisites: BIOL-175, BIOL-175L

BIOL-175 <AAS> Human Biology
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides a general overview of the structure, function, healthy maintenance, and common diseases of the human body. BIOL-175 is designed to give the non-biology major a better understanding and appreciation of the human body.
Corequisites: BIOL-175L

BIOL-207 Concepts in Human Nutrition
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course offers instruction in basic nutrition concepts, current nutritional controversies, and food selection for individual needs. Topics covered include carbohydrates, fats, proteins, vitamins, minerals, energy balance, vegetarian diets, product labels and additives, life cycle needs, and diets for athletes. Individual dietary habits will be closely examined through a self-evaluation of personal diet studies. BIOL-207 provides important basic knowledge in making personal dietary decisions.

BIOL-221 Forest Ecology
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course is an introduction to the relationships among living and non-living components in the environment, including an examination of the processes which influence the distribution of plant and animal communities. This course exposes students to fundamental principles of ecology used in careers in natural resource management. This course is the same as BIOL-231.
Prerequisites: BIOL-115
Corequisites: BIOL-221L

BIOL-227 <AAS> Human Anatomy and Physiology I
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course offers a homeostatic approach to the study of the human body from the level of the cell to organ systems with emphasis on normal structure and function, as well as selected physiological imbalances. Systems covered include integument, skeletal, muscular, and nervous. It is designed primarily for students enrolled in health-related fields. Human Anatomy and Physiology will give students a strong background in the fundamentals of structure and function of the body. Aspects of life processes will be covered for students wishing to take a science elective, as well as those in the health-related areas. The laboratory sessions require preserved specimen dissection. In addition, identification of anatomical structures on a prosected cadaver will be required.
Corequisites: BIOL-227L
Recommended Prerequisites: BIOL-100 or BIOL-175
BIOL-228 Human Anatomy and Physiology II With Cadaver
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of BIOL-227. Systems covered include cardiovascular, digestive, urinary, respiratory, and reproductive, as well as the sense organs and metabolism. It is designed for students enrolled in health-related fields. This course gives students a strong background in the fundamentals of the structure and function of the body. Aspects of life processes will be covered for students wishing to take a science elective, as well as those in the health-related areas. The laboratory sessions require preserved specimen dissection. In addition, identification of anatomical structures on a prosected cadaver will be required.
Prerequisites: BIOL-227
Corequisites: BIOL-228L

BIOL-231 General Ecology
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course shows relationships between living and non-living components of the environment. It examines the processes which influence the distribution of plant and animal communities. It provides an exposure to the fundamental principles of ecology in natural resource management. This course is designed for forestry and biology majors with applications for pre-agriculture, zoology, environmental science, and botany disciplines. This course is the same as BIOL-221.
Prerequisites: BIOL-100 or BIOL-115
Corequisites: BIOL-231L

BIOL-251 Principles of Range Resources Management
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, Odd Years
This course studies the development of range use, range resource management, rangeland vegetation types, current management issues, and the relationship of grazing use with other land uses and values.
Prerequisites: BIOL-100 or BIOL-115

BIOL-260 Human Cadaver Prosection I
2 Credits
Lab: 3 hours per week
Offering: Fall Only, All Years
This course includes supervised cadaver dissections that will follow the sequence of gross anatomy studies observed in BIOL-227 and BIOL-228. Dissections for the semester will begin with a review of previous cadaver dissections. Cadaver dissection sequencing will follow this general outline: torso, upper extremity, lower extremity, ventral cavities, head and neck, and finish with the dorsal cavities. Fall semester students will present a review of the muscle anatomy to the BIOL-227 students. This course is designed to improve competency in human gross anatomy.
Prerequisites: BIOL-227 with a grade of C or better and permission of the instructor.

BIOL-261 Human Cadaver Prosection II
2 Credits
Lab: 3 hours per week
Offering: Spring Only, All Years
This course includes supervised cadaver dissections that will follow the sequence of gross anatomy studies observed in BIOL-227 and BIOL-228. Dissections will begin with a review of previous cadaver dissections. Cadaver dissection sequencing will follow this general outline: torso, upper extremity, lower extremity, ventral cavities, head and neck, and finish with the dorsal cavities. Spring semester students will present a review of the vascular anatomy to the BIOL-228 students. This course is designed to improve competency in human gross anatomy.
Prerequisites: BIOL-227 with a grade of C or better and permission of the instructor.

BIOL-290 Principles of Wildlife Biology
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, Even Years
This course introduces the principles of wildlife ecology including such topics as basic ecological laws, wildlife biology, and management of wildlife populations.
Prerequisites: BIOL-100 or BIOL-115
Recommended Prerequisites: ZOOL-202 or BTNY-203
Botany (BTNY)

BTNY-203 General Botany
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course is an introduction to the plant kingdom starting with the bluegreen algae or cyanobacteria and progressing in an evolutionary fashion through gymnosperms and angiosperms. When possible, each group is related to the higher plants. The course is designed for individuals pursuing a degree in biology, botany, agriculture, or forestry, and for others interested in a survey of the plant kingdom.
Corequisites: BTNY-203L
Recommended Prerequisites: BIOL-100 or BIOL-115

BTNY-241 Systematic Botany
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course offers instruction in plant identification focusing on local gymnosperms and spring angiosperms using a recognized botanical key. The course includes field trips and a plant collection. It is designed for students pursuing a degree in biology, botany, or forestry and for those interested in the identification of local plants.
Corequisites: BTNY-241L
Recommended Prerequisites: BIOL-100 or BIOL-115
Business Administration (BUSA)

BUSAT-100 Digital Literacy in Business
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides the tools required to use technology in the workplace. Students will gain proficiency in commonly used business programs such as databases and spreadsheets, as well as word processing and presentation software. Students will examine management information software (MIS) and its impact on organizational management. This course emphasizes business computer terminology, and the use of computer hardware, networking, and Internet concepts in business. The ethical implications of computing, such as security, privacy, identity theft, and the social implication of information sharing will be given particular consideration.

BUSAT-101 Introduction to Business
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is an introductory overview of the organization, functions, and activities of business in contemporary society. Emphasis is placed on the terminology necessary to understanding business principles and practices. This course also includes an exploration of business environments, human resources, management, marketing management, finance, management information tools, and international marketing. Focus is on critical factors essential to understanding the interdependence between different facets of business operations. This course is useful for those who are considering a career in business or who want an overview of what the study of business encompasses.

Recommended Prerequisites: MATH-025

BUSAT-180 Personal Finance
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course is designed to empower students to analyze and develop their own personal financial plan. Students will be challenged to develop solid financial management skills through effective tax and savings strategies. Various financing options for large purchases such as automobiles and housing will also be discussed, along with developing techniques for controlling consumer credit. Students will learn how to evaluate different insurance options including life, health, and disability insurance. This course will also include some basic stock market strategies, including the choice to invest in stocks, mutual funds, or bonds.

BUSAT-211 Principles of Management
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is designed to provide an overview of theories and practices of management. Topic areas include the evolution and scope of management and the universal functions of management including planning, organizing, directing, staffing, controlling, coordinating, and delegating. Emphasis is also placed on the art of negotiating, leadership skills, team performance and productivity, and creative problem solving. This course fosters an awareness of the operational skills and administrative activities of managers, and it also helps in upgrading management skills.

BUSAT-221 Principles of Marketing
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This is an introductory course designed to provide an overview of marketing segments and environments, and marketing mixes. Issues relating to product, promotion, pricing, and distribution are discussed. This course promotes an awareness of the operational and administrative activities of marketing managers; it also helps in upgrading marketing skills. This is a required course in the Resort/Recreation Management program. Prior completion of other courses is not required.

BUSAT-234 Ethical Conduct in Business
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course introduces basic business ethical concepts, principles, and examples. Topics focus on solving moral dilemmas and introduce the stakeholder and issues management methods as a strategic and practical way for applying ethical reasoning in the workplace. Emphasis is placed on establishing solid decision criteria, moral creativity, and responsibility in ethical reasoning. This course also fosters an awareness of corporate responsibility in advertising, product safety and liability, and the environment. Timely ethical issues such as globalization, discrimination, sexual harassment, and whistle-blowing will be discussed as they relate to the workplace.

BUSAT-240 Computer Systems Business Applications
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides applied instruction using computer systems and Microsoft Office suite application software within the business environment. The course includes both lecture and hands-on learning and emphasizes practical concepts of file management; the creation of documents using word processing, spreadsheets, databases, and presentation software; use of the Internet to access and retrieve data; and how various software components work together efficiently and effectively. This course is based on hardware and software that uses the Windows operating system.

Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.

Recommended Prerequisites: BUSA-100 or CS-100
BUSA-251 Business Statistics
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course introduces techniques used to describe and analyze data through the framework of business problems and applications. The course focuses on correct use of statistical terminology, descriptive statistics, basic sampling methods, probability and sampling distributions, interval estimates, hypothesis testing, analysis of variance, correlation and regression analysis. Software is used to analyze business problems and emphasis is placed on the interpretation and critical evaluation of the output.
Prerequisites: GEM 3 MATH Course

BUSA-265 Legal Environment of Business
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides an introduction to the areas of law including contracts and torts which apply most closely to businesses.
Business Leadership (BLDR)

BLDR-105 Customer Service
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course will give participants the foundations for the skills and knowledge necessary to work effectively with customers. Covered topics are customer behavior, use of technology, diversity in customers, managing stress and time, ways to encourage customer loyalty, and how to communicate effectively with customers.

BLDR-110 Supervisory Management
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides participants with an understanding of the management functions supervisors must perform at work. Participants will receive the knowledge and skills they will need to help their organization meet today’s challenges and create value for their employees.

BLDR-120 Financial Business Applications
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course will lead to the development of effective financial business concepts with emphasis on 10-key computations, banking concepts, payroll, retail computation, and time value of money.
Prerequisites: MATH-015 or an appropriate score on a placement test.

BLDR-122 Leadership
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course will give students the skills and tools necessary to begin or enhance his or her role as an effective leader. Students will learn how to motivate staff, implement mission and core values, demonstrate ethical behavior, identify personal leadership style and examine ways to manage change. Students will also learn how to facilitate employee development, coach others and deal with conflict.

BLDR-132 Employee Benefits Compensation
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course focuses on the various components that make up a total employee compensation package. Base pay, merit pay, and variable pay programs are covered. Students examine benefits including government regulation, group welfare plans, pension plans, and flexible benefit plans. Students will also explore the impact of current trends.
Business Management (BMGT)

BMGT-256 Problem Solving Through Team Dynamics
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course explores the creation of teams and their utilization to solve problems. Team dynamics and strategies, brainstorming, information gathering methods, interpersonal communication, interdependence, and synergy are examined. Prior completion of other courses is not required.

BMGT-260 Human Resource Management
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction to human resource management. It is designed to give students an overview of the challenges faced by an organization in using employees in a legal and ethical manner. Emphasis will be placed on the legal issues and ethical dilemmas faced by business on a daily basis. This course will be useful to any students contemplating a career in business, as well as others who are interested in managing human resources.
Pre/Corequisites: BLDR-132, HRA-210
Cardinal Learning Commons (CLC)

CLC-100 College Transition
1 Credit
Lecture: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course is designed to provide the student with a general introduction and transition to the college experience. It will assist students in developing a meaningful education plan in accordance with their personal values, needs, and career goals. Specifically, this class will orient students to the processes, resources, and multiple services available at North Idaho College.

CLC-101 Designing Your NIC Experience
2 Credits
Lecture: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is designed to promote the academic success and personal development of all students by equipping them with strategies and life skills they will use throughout college and beyond. Through a holistic, student-centered approach, students will identify their strengths and weaknesses, adopt new learning strategies, and utilize resources available to them at NIC.

CLC-102 Designing Your Life and Career
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course employs a method called “design thinking” to help students from any program develop a constructive and effective approach to finding and designing their vocation after college. Through seminar-style discussions, role-playing, writing assignments, guest speakers, and individual mentoring and coaching, this course teaches students to use design thinking to explore many of life’s major challenges, such as pursuing careers they love and finding personal fulfillment.

CLC-105 College Study Skills
2 Credits
Lecture: 2 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction on how to use powerful study skills to consistently achieve academic goals and experience success. This course emphasizes learning styles and preferences, managing time, memory coding and recall, taking notes, reading textbooks efficiently, strengthening listening skills, and preparing for and taking exams.

CLC-106 College Internet Skills
1 Credit
Lecture: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course covers the basics of taking an interactive course via the Internet. The student will learn how to use NIC’s learning management system for Internet classes. This involves developing skills concerning the use of email, online discussion boards, world wide web access, equipment needs, and navigating an online course. Additionally, the student will analyze the difference between online and traditional courses to evaluate his or her learning style in order to develop good academic skills to succeed in online classes. This class provides an excellent opportunity to learn how to navigate classes for future Internet course work.

CLC-108 Tutoring Skills
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course will provide students interested in tutoring or teaching an introduction to learning theories, styles, and techniques as related to tutoring. The topics will include active listening, effective questioning, diversity awareness, implementation of tutoring strategies and assessment of learning styles and study skills. Participatory classroom activities will be included to develop communication, critical thinking and problem solving skills. This course will provide participants with leadership and communication skills that may be applied throughout their college experience and career. Students do not need to be a Peer Tutor to be enrolled in this course.

CLC-112 Student Leadership Development
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course is designed to prepare students for their role as leaders on campus. Strengths-based curriculum will help students identify their personal strengths in order to increase proficiency and confidence as leaders. Experiential learning activities will be used to develop leadership styles, communication skills, diversity awareness, and etiquette. Students will learn how these skills are an essential part of competent leadership on campus and in the community.

CLC-113 Resident Assistant Training
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, All Years
This course focuses on student development theory and its application in a college residence hall setting. The course provides an emphasis on the development of leadership styles, peer counseling techniques, crisis intervention, and interpersonal communication skills.

CLC-114 Career Development
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides students with the skills necessary to make informed career decisions including identifying and assessing individual interests, skills and abilities, values, and preferred job characteristics. Students will also examine the world of work, job search strategies, and current and future work trends.
Carpentry (CARP)

Carpentry (CARP) - Introduction to Carpentry and Construction
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Summer Only, All Years
This course is an introduction to the carpentry trade and its application as a career in the construction industry. Basic building materials and construction methods are thoroughly covered in preparation for the carpentry program's construction of NIC's "Really Big Raffle" house. Classroom emphasis is on construction-related math, reading and interpretation of both commercial and residential plans and blueprints, applicable building codes, building layout, and sustainable green construction methods. This course has a laboratory component that applies classroom curriculum to assigned shop projects, includes appropriate local field trips, and begins site preparation and layout for the fall and spring semester's class project house.
Corequisites: CARP-142

Carpentry (CARP) - Safe and Savvy Tool Use
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Summer Only, All Years
This course introduces and emphasizes safe and proper use of the tools of the carpentry trade. Shop and job-site safety issues are thoroughly covered, including developing a class safety plan for the year's construction of NIC's "Really Big Raffle" house. Hand tools, hand held power tools, and shop-based bench power tools are covered. The laboratory component of CARP-142 includes assigned projects in the shop as well as activities on-campus or on-site. Laboratory projects are designed to require use of all tools and procedures covered in the classroom.

Carpentry (CARP) - Residential Construction Lab I
2 Credits
Lab: 4 hours per week
Offering: Fall Only, All Years
This course is an on-site, hands-on laboratory application of all student learning outcomes from previous and co-requisite carpentry courses. There is heavy and frequent tool and equipment use, climbing of scaffolds and ladders, caring for lumber and other building materials, and working in any kind of weather. Safety issues and OSHA standards are practiced daily. Students will build the Carpentry Program's annual project house and may include other smaller projects benefitting the NIC campus and the local community. Emphasis is placed on real-world construction industry demands for critical thinking, problem solving, positive work ethic, and teamwork. Carpentry students work alongside hired professional subcontractors also working on the house through its construction stages, starting with site preparation and excavation, through concrete footings and foundation, ending the term with a framed house.
Prerequisites: CARP-141, CARP-142
Corequisites: CARP-160, CARP-161, CARP-162, CARP-163, CARP-164

Carpentry (CARP) - Introduction to Residential Print Reading
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is an introduction to residential print reading. Classroom topics include reading and interpreting residential blueprints, construction terminology and materials, construction methods, dimensions, symbols, and estimating. Note: This class is open to all students with instructor permission.
Corequisites: CARP-161, CARP-162, CARP-163, CARP-164, CARP-165L

Carpentry (CARP) - Jobsite Safety
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is an introduction to safety on the jobsite. Classroom topics include OSHA 10 standards related to the construction industry. Note: This class is open to all students with instructor permission.
Corequisites: CARP-160, CARP-162, CARP-163, CARP-164, CARP-165L

Carpentry (CARP) - Residential Building Codes I
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is an introduction to residential building codes utilizing the International Residential Code (IRC). Classroom topics will also include residential code amendments and deletions adopted by state and local jurisdictions as they pertain to building in Idaho. Note: This class is open to all students with instructor permission.
Corequisites: CARP-160, CARP-161, CARP-163, CARP-164, CARP-165L

Carpentry (CARP) - Footings and Foundations
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is intended to give students the skills and knowledge to construct standard forms for footings, foundation walls, flatwork, and stairs. Also covered is material estimating, steel reinforcement, concrete masonry units (CMUs), insulated concrete forms (ICFs), and decorative concrete products. Skills and methods taught in class are practiced as students construct the required concrete forms for the Carpentry Programs project house as part of CARP-165L - Residential Construction Lab I.
Prerequisites: CARP-161, CARP-162
Corequisites: CARP-160, CARP-161, CARP-162, CARP-163, CARP-164, CARP-165L
Carpentry courses. There is heavy and frequent tool and equipment use, climbing of scaffolds and ladders, caring for lumber and other building materials, and working in any kind of weather. Safety issues and OSHA standards are practiced daily. Students will begin construction of the Carpentry Program’s annual project house and may include other smaller projects benefitting the NIC campus and the local community.

**Prerequisites:** CARP-141, CARP-142

**Corequisites:** CARP-160, CARP-161, CARP-162, CARP-163, CARP-165L

### CARP-166 Building Science

**2 Credits**

**Lecture:** 1 hour per week, **Lab:** 2 hours per week

**Offering:** Spring Only, All Years

This course considers and studies building structures as complete systems that can be built to perform predictably. Classroom topics will cover issues surrounding building science, including but not limited to types and strengths of construction materials, insulation, ventilation, energy efficiency, indoor air quality (IAQ), and green building. Special attention is paid to construction techniques as they apply to the carpentry program’s project house. A laboratory component will reinforce classroom building science theory with activities that center on the building envelope including air infiltration sealing.

**Prerequisites:** CARP-160, CARP-161

**Corequisites:** CARP-167, CARP-168, CARP-169, CARP-170L

### CARP-167 Residential Building Codes II

**1 Credit**

**Lecture:** 1 hour per week

**Offering:** Spring Only, All Years

This course builds on the students’ knowledge from CARP 162 in regards to the International Residential Code (IRC). Classroom topics will continue to include residential code amendments and deletions adopted by state and local jurisdictions as they pertain to building in Idaho. Discussions will also include construction career pathways as a building inspector. Note: This class is open to all students with instructor permission.

**Prerequisites:** CARP-162

**Corequisites:** CARP-166, CARP-168, CARP-169, CARP-170L

### CARP-168 Exterior Finish Carpentry

**1 Credit**

**Lecture:** 1 hour per week

**Offering:** Spring Only, All Years

This course covers the knowledge and skills to install exterior finish materials. Classroom topics include, material estimating, types of exterior siding, proper flashing, window installation, exterior trim, roofing, concrete flatwork forms, and decks. Skills, methods, and techniques taught in the classroom are applied on the construction of the Carpentry Program’s project house as a part of CARP-170L - Residential Construction Lab II.

**Prerequisites:** CARP-160, CARP-161, CARP-162, CARP-163, CARP-164, CARP-165L

**Corequisites:** CARP-166, CARP-167, CARP-169, CARP-170L

### CARP-169 Interior Finish Carpentry

**1 Credit**

**Lecture:** 1 hour per week

**Offering:** Spring Only, All Years

This course will teach students finish carpentry as it applies to the Carpentry Program’s project house. Class room topics include interior finish material estimating, types of interior finish materials, hanging doors, installing trim, and finish carpentry techniques. Skills, methods, and techniques taught in the classroom are applied on the construction of the Carpentry Program’s project house as a part of CARP-170L - Residential Construction Lab II.

**Prerequisites:** CARP-160, CARP-161, CARP-162, CARP-163, CARP-164, CARP-165L

**Corequisites:** CARP-166, CARP-167, CARP-168, CARP-170L

### CARP-170L Residential Construction Lab II

**10 Credits**

**Lab:** 20 hours per week

**Offering:** Spring Only, All Years

This course is an on-site, hands-on laboratory application of all student learning outcomes from previous and co-requisite carpentry courses. There is heavy and frequent tool and equipment use, climbing of scaffolds and ladders, caring for lumber and other building materials, and working in any kind of weather. Safety issues and OSHA standards are practiced daily. Students will be completing construction of the Carpentry Program’s project house and may include other smaller projects benefitting the NIC campus and the local community.

**Prerequisites:** CARP-160, CARP-161, CARP-162, CARP-163, CARP-164, CARP-165L

**Corequisites:** CARP-166, CARP-167, CARP-168, CARP-170L
Carpentry (CARP)

CARP-171L Residential Construction Lab II
3 Credits
Lab: 6 hours per week
Offering: Spring Only, All Years
This course is an on-site, hands-on laboratory application of all student learning outcomes from previous and co-requisite carpentry courses. There is heavy and frequent tool and equipment use, climbing of scaffolds and ladders, caring for lumber and other building materials, and working in any kind of weather. Safety issues and OSHA standards are practiced daily. Students will be completing construction of the Carpentry Program's annual project house and may include other smaller projects benefitting the NIC campus and the local community. Emphasis is placed on real-world construction industry demands for critical thinking, problem solving, positive work ethic, and teamwork. Carpentry students work alongside hired professional subcontractors through the project house's finishing construction stages, starting with final "pick-up" framing early in the spring semester. This relationship continues through siding, exterior finishing, interior finish carpentry. The term ends with a completed house.
Prerequisites: CARP-160, CARP-161, CARP-162, CARP-163, CARP-164, CARP-165L
Corequisites: CARP-166, CARP-167, CARP-168, CARP-169


Chemistry (CHEM)

CHEM-100  Concepts of Chemistry
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction to chemistry as it relates to modern technological society. It is designed for non-science majors who would like to learn about chemistry in the context of their everyday lives. Upon completion of CHEM-101, CHEM-100 will count as elective science credits only and will not satisfy core lab science credits.
Corequisites: CHEM-100L

CHEM-101  Introduction to Chemistry
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is a survey of the basic concepts of inorganic chemistry that includes quantitative concepts and development of problem solving methods. This course is designed for general education majors. It can be used by students as preparation for CHEM-111. It also satisfies chemistry requirements for allied health majors.
Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.
Corequisites: CHEM-101L

CHEM-102  Essentials of Organic and Biochemistry
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a general overview of inorganic, organic, and biological chemistry topics with a health care emphasis. CHEM-102 is designed to provide necessary chemistry background for subsequent courses in the health care field.
Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.
Corequisites: CHEM-102L

CHEM-111  General Chemistry I
5 Credits
Lecture: 4 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is a study of matter and its interactions, including properties of matter, changes that it undergoes, and energy changes that accompany these processes. Emphasis is on concepts and problem solving; however many applications are examined. Students entering CHEM-111 are expected to have some chemistry background. This may be satisfied by completing CHEM-101, CHEM-102, achieving an AP-Chemistry score of 3 or higher, and MATH-108 or equivalent.
Prerequisites: CHEM-101 or CHEM-102, MATH-108 or an appropriate score on a placement test.
Corequisites: CHEM-111L

CHEM-112  Principles of General College Chemistry II
5 Credits
Lecture: 4 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of a study of matter and its interactions, including properties of matter, changes that it undergoes, and energy changes that accompany these processes. Emphasis is on concepts and problem solving; however, many applications are examined.
Prerequisites: CHEM-111
Corequisites: CHEM-112L

CHEM-253 Quantitative Analysis
5 Credits
Lecture: 3 hours per week, Lab: 6 hours per week
Offering: Fall, Spring, All Years
This course is the first course in the study of analytical chemistry for scientists. Students who are majoring in the physical or life sciences may take this course as an introduction to the basic concepts of quantitative analysis.
Prerequisites: CHEM-112
Corequisites: CHEM-253L

CHEM-275 Carbon Compounds
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course introduces students to aspects of organic chemistry important to life sciences. The course covers the structure, nomenclature, and physical properties of organic compounds.
Prerequisites: CHEM-101 or CHEM-111

CHEM-277 Organic Chemistry I
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is the first course in the study of organic chemistry emphasizing the properties, structure, synthesis and reactions of organic compounds.
Prerequisites: CHEM-112
Recommended Corequisites: CHEM-278

CHEM-278 Organic Chemistry I Lab
1 Credit
Lab: 3 hours per week
Offering: Fall, Spring Only, All Years
This course is the laboratory that accompanies CHEM-277. It is an introduction to organic laboratory techniques and spectroscopy, including organic compound synthesis.
Pre/Corequisites: CHEM-277

CHEM-287 Organic Chemistry II
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is the second course in the study of organic chemistry. It is a comprehensive study of the principles and theories of organic chemistry emphasizing the properties, structure, synthesis and reactions of organic compounds.
Prerequisites: CHEM-277
Recommended Corequisites: CHEM-288
CHEM-288 Organic Chemistry II Lab

1 Credit

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course is the laboratory that accompanies CHEM-287. It is a continuation of organic synthesis and spectroscopy.

Prerequisites: CHEM-278

Recommended Pre/Corequisites: CHEM-287
Child Development (CHD)

CHD-110 Child Health, Safety and Nutrition
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces students to best practices in nutrition, health, and safety for young children, prenatal through age eight. Students will explore equipment and environment safety, prevention of infectious diseases and injuries, nutrition planning and preparation, physical and mental health issues, and available community resources. Emphasis is placed on establishing and maintaining a healthy, safe early learning/home environment, planning nutritious meals and snacks for young children, and educating young children on a wide variety of health, safety, and nutrition topics.

CHD-134 Infancy Through Middle Childhood
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides an introductory overview of human development from conception through middle childhood. Physical, cognitive, and social-emotional development of typically and atypically developing children will be examined in the context of biological, historical, cultural, and familial influences.

CHD-150 Professional Partnerships - Families, Schools, and Community
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course will cover the essentials for professionally managing an effective early care and education program or classroom by developing partnerships among staff, family, and community members. Topics include the design and implementation of contracts and policies, record keeping, communication strategies, family involvement, professional affiliations, and the importance of collaboration to supporting typically and atypically developing children and their families. Students will become aware of the impact personal attitudes and philosophies have on building partnerships, solving problems, and resolving conflicts. Students will become familiar with the NAEYC Code of Ethical Conduct and its practical application.

CHD-165 CDA Professional Portfolio Development
1 Credit
Lecture: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course is designed as the final step for individuals working in early childhood programs who are preparing to apply for their national Child Development Associate (CDA). Participants will be guided through the development of the final requirements for the Child Development Associate (CDA) credential, including: professional portfolio completion, collection of required resources, writing of six reflective statements of competence, administration/summary/reflection of parent questionnaires, and development of a professional philosophy statement as outlined by the CDA application requirements. Students will also prepare for their CDA verification visit, online exam and will finalize their application to the National Council for Professional Recognition.
Pre/Corequisites: CHD-110, CHD-134, CHD-150

CHD-171 Early Childhood Curriculum
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course will examine the critical role of curriculum in meeting the physical, social, emotional, and cognitive needs of all children from birth through age 8. Strategies for creating a child-centered approach to curriculum will be practiced including the use of space, materials, relationships, and routines. Self reflection and hands-on learning are vital components of this course. This course is required for the Academic Certificate in Child Development, as well as the A.S. in Child Development.
Prerequisites: CHD-134
Corequisites: CHD-198

CHD-198 Child Development Practicum I
3 Credits
Lecture: 1 hour per week, Lab: 4 hours per week
Offering: Fall and Spring Only, All Years
This course offers a supervised experience working with young children in the NIC Children’s Center. It is required for the Academic Certificate in Child Development, and is the first of two practicum experiences for students in the A.S. Child Development program. Students gain practical experience working with mentor teachers, observing and assessing classroom environments, and learning how to meet the individual needs of children with varying abilities. Students will use information gained in the co-requisite course CHD-171: Early Childhood Curriculum to complete their guided experiences in this course.
Prerequisites: CHD-134
Corequisites: CHD-171

CHD-235 Observation and Assessment
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
Students will investigate the interrelatedness of all domains of development with current theory and practice in early childhood in order to understand the value of both formal and informal observations. Students will utilize the knowledge gained from class lecture to complete weekly observations of children, record and analyze their observations, then collect documentation, with the purpose of completing a child study portfolio that assesses the development and learning of a child. Students will spend time observing children in early childhood classrooms in order to complete assignments.
Prerequisites: CHD-134
Corequisites: CHD-171

CHD-235 Observation and Assessment
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
Students will investigate the interrelatedness of all domains of development with current theory and practice in early childhood in order to understand the value of both formal and informal observations. Students will utilize the knowledge gained from class lecture to complete weekly observations of children, record and analyze their observations, then collect documentation, with the purpose of completing a child study portfolio that assesses the development and learning of a child. Students will spend time observing children in early childhood classrooms in order to complete assignments.
Prerequisites: CHD-134
Corequisites: CHD-171

CHD-243 Early Childhood Education
3 Credits
Lecture: 4 hours per week
Offering: Fall and Spring Only, All Years
This course introduces students to the field of early childhood education. Developmentally appropriate practices for programs serving both typically and atypically developing children birth to age eight are examined. Topics include curriculum, play theory, literacy, behavior guidance, early care, education programs in the U.S. and internationally, primary grade education, and working with families.
CHD-254 Child Guidance Theory

3 Credits

Lecture: 2 hours per week, Lab: 2 hours per week

Offering: Spring Only, All Years

This course introduces students to brain-based social learning theories that build resilience in children, families, teachers and schools. Students will explore strategies and skills necessary for connecting child development to appropriate expectations, designing responsive and supportive learning environments, and promoting pro-social behavior by helping children gain important social skills such as self-regulation, problem-solving, negotiation, understanding conflict as learning opportunity, and building respectful relationships with self, peers, and adults. Additional focus on children with unique needs and chronic behavior issues will be explored as well as the importance of early intervention. Students will be required to participate in field experience assignments in an early childhood setting to gain practical application through direct participation with children.

Recommended Prerequisites: CHD-134

CHD-298 Child Development Practicum II

4 Credits

Lecture: 1.5 hours per week, Lab: 5 hours per week

Offering: Fall and Spring Only, All Years

This course offers students an opportunity to continue their child development practical experience working directly with young children in a supervised setting, such as in the NIC Children’s Center, NIC Head Start program, or other approved setting. During practicum, lab students will continue to practice skills in team teaching, curriculum development, guidance techniques, and working with young children of varying abilities. Practicum 298 seminars will focus on professional roles and responsibilities in early childhood education as well as local, national, and global issues facing early childhood education today.

Prerequisites: CHD-134, CHD-171, CHD-198
Cinema Arts (CINA)

CINA-126  Film and Culture  3 Credits
Lecture: 1 hour per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course presents films as artifacts of culture and history, examines North American and foreign films, and evaluates selected critical readings to promote meaningful comparative analysis. It focuses on becoming more critically aware of the rich and diverse forms of cinematic expression, developing an appreciation for responses to visual imagery, and using basic concepts of film theory and cultural analysis to enrich the viewing experience. The concepts and methods introduced have applications to careers in broadcasting, graphic design, public relations, journalism, and corporate communications. This course is the same as HUMS-126.
Corequisites: CINA-126L
Coeur d'Alene Language (CDA)

CDA-101 Elementary Coeur d'Alene Language I
5 Credits
Lecture: 5 hours per week
Offering: Fall Only, All Years
This course is an introduction to an American Indian language designed for students with no previous foreign language study. The course will include specialized methods of working with an unwritten language and emphasize pronunciation, beginning grammar, vocabulary-building, and an introduction to Coeur d'Alene Tribal culture.

CDA-102 Elementary Coeur d'Alene Language II
5 Credits
Lecture: 5 hours per week
Offering: Spring Only, All Years
This course is the second semester of an introduction to the native language of the Coeur d'Alene Tribe. It completes the outline of the major grammatical systems of the language.
Prerequisites: CDA-101

CDA-201 Intermediate Coeur d'Alene Language
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course provides training in conversational proficiency in an American Indian language. It features detailed discussion of grammar knowledge gained in CDA-101 and CDA-102 and insights into Coeur d'Alene culture revealed in the traditional oral literature.
Prerequisites: CDA-102
Collision Repair Technology (ACRR)

ACRR-161 Exterior and Interior Renovation
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course offers classroom introduction to basic automotive refinishing and primarily covers automotive detailing. Automotive finishes, products used, and techniques will be covered. Emphasis will be placed on prewash, exterior polish, and interior renovation of "live" customer vehicles. Health and safety issues will also be covered.

ACRR-162 Fundamentals of Collision Repair
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course offers classroom introduction and discussion related to the fundamentals of collision repair, welding, trim and hardware, and exterior panel repair for automobiles. Vehicle construction and terminology, collision energy management, automotive fasteners, and bolt-on replacement parts will also be covered. Health and safety issues will also be covered.

ACRR-163 Damage Analysis and Small Dent Repair
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course offers classroom introduction and discussion to automotive refinishing related to straightening and repairing steel, body fillers and application techniques, analysis of damage and appropriate repair strategies. Health and safety issues will also be covered.

ACRR-164 Introduction to Paint Refinishing
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course offers classroom introduction and discussion related to automotive corrosion protection and application, and introduction to automotive painting fundamentals. Surface preparation, masking, finish identification, primers, and fundamentals of paint chemistry will also be covered. Health and safety issues will also be covered.

ACRR-165L Collision Repair Lab I
6 Credits
Lab: 12 hours per week
Offering: Fall Only, All Years
This course features hands-on shop experience in all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized. Health and safety practices are promoted.

ACRR-166L Collision Repair Lab II
5 Credits
Lab: 10 hours per week
Offering: Fall Only, All Years
Collision Repair Lab II is a continuation of the hands-on concepts covered in ACRR 165L which includes all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized.

ACRR-171 Paint Refinishing Fundamentals
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course offers classroom introduction and discussion related to safety and the environment, refinish equipment, and color theory, application, tinting, and blending. MSDS, environmental laws, and material mixing will also be covered. Health and safety issues will also be covered.

ACRR-172 Damage Analysis and Estimating
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course offers classroom introduction and discussion related to vehicle construction and vehicle identification numbers (VIN), collision repair estimates, crash manuals, damage analysis, and introduction to measuring. Damage reporting, cooling systems, air conditioning, and interior analysis will also be covered. Health and safety issues will also be covered.

ACRR-173 Measurement and Structural Analysis
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course offers classroom introduction and discussion related to damage conditions, point-to-point measuring and three-dimensional measuring, and structural steel parts. Frame sectioning, and vehicle body assembly will also be covered. Health and safety issues will also be covered.

ACRR-174 Surface Prep and Adhesive Bonding
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, All Years
This course offers classroom introduction and discussion related to adhesive bonding, panel removal and installation will also be covered. Health and safety issues will also be covered.

ACRR-175L Collision Repair Lab III
5 Credits
Lab: 10 hours per week
Offering: Spring Only, All Years
This course features hands-on shop experience in all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized. Health and safety practices are promoted.

ACRR-176L Collision Repair Lab IV
5 Credits
Lab: 10 hours per week
Offering: Spring Only, All Years
This course features hands-on shop experience in all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized. Health and safety practices are promoted.
Communication - Journalism (COMJ)

COMJ-100 The Sentinel
1-2 Credits
Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a practical working environment to apply journalism theory and techniques in a variety of disciplines for The Sentinel, NIC's national award-winning student news organization. Sentinel students distribute newsworthy content concerning the campus community across print, online and social media platforms. Students must contribute in one or more of the following areas: reporting, editing, design, photography, illustrations, comics, website maintenance, mobile applications, and/or advertising. The course may be repeated for a total of 10 credits. Previous or concurrent news writing, photo, design, art, business and/or web page experience advised in area(s) of interest. Leadership/travel opportunities available.
Recommended Prerequisites: COMJ-121

COMJ-121 Introduction to Media Writing
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides an introduction to the principles of writing and organizing stories for publication in print and electronic mediums. Students will develop and compose news stories, learn and adhere to industry-standard style guidelines, conduct meaningful and appropriate research, and understand how the ethics, laws, and culture of journalism influence media coverage. Basic media-writing skills will enhance a student's ability to procure employment in print, broadcast, public relations, and corporate communication professions.
Pre/Corequisites: ENGL-101

COMJ-140 Mass Media in a Free Society
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course examines the development, successes and failures of today's American media. Students will learn to become media literate consumers of books, magazines, newspapers, film, television, the Internet and other modern formats. Media theories, public relations and advertising will also be discussed.

COMJ-222 Modern Reporting and Podcasting
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides practical experience learning and working with modern technologies to enhance news coverage and reporting skills on a variety of platforms. Students learn to create and post multimedia and print content that adheres to journalistic standards and practices. Students will build and maintain a blog, engage with multimedia platforms, and complete podcasting and video editing assignments. Students will gain skills that prepare them for advancement to upper division journalism coursework or careers in publishing content on a variety of platforms.

COMJ-298 Journalism Practicum
2 Credits
Practicum: 2 hours per week
Offering: Fall and Spring Only, All Years
Journalism Practicum provides on-the-job training and experience through averaging a four hour weekly internship in a media related workplace. Developed as a "contract" agreement between the student intern and a "host" organization with permission of the instructor, this practicum offers practical work experience supporting preparation for upper division college studies or career entry. Students seeking clarification of career direction or "real world" experience will benefit. This course may be repeated for a total of 8 credits.
North Idaho College

Communication - Speech (COMM)

COMM-101 Fundamentals of Oral Communication
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces students to what communication is and how it affects human interaction. Emphasis is on public speaking with attention to audience analysis, organizational, and delivery skills. The controlled and supportive classroom environment is an ideal setting for students to practice and perfect those communication skills of effective speaking and critical listening valued in all professions, the community, and personal relations. It is, however, a complex discipline of reading, writing, research, and performance.
Prerequisites: An appropriate score on a placement test.

COMM-103 Oral Interpretation
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Even Years
This course makes literature come alive through effective reading. Interpreting is the goal of this course. Students will learn to select, analyze, and perform literary pieces including stories, plays, poems, and famous orations.

COMM-111 Interview Techniques
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course provides practical experience in the development of interviewing techniques for a variety of settings and career applications. The process is analyzed and practiced, including setting up, conducting, and assessing the interview. Students learn to design and carry out effective interviews through study and practice of the practical "do's and don'ts" for several types of interviews. Skills gained are helpful to those pursuing careers in journalism, communications, law enforcement, psychology, oral history, and counseling.

COMM-207 Dynamics of Social Media
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores emerging and established social media communication platforms and their impact on human interaction. Topics discussed and explored include: social media history, structure, and functions; virality; and persuasion and marketing via new media.

COMM-209 Argumentation
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is an introduction to the principles and practices of argumentation as a form of communication. Analysis, reasoning, evidence, and refutation skills are stressed. It provides skills in reasoned argumentation and is useful for pre-law, business, and careers where logical analysis and structured reasoning is stressed.
Recommended Prerequisites: COMM-101 and strong college-level reading and writing skills

COMM-212 Nonverbal Communication
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction to the basic concepts in the study of body language, symbols, and various means of communicating without using spoken language. The study of nonverbal communication will help students better understand how people communicate in relationships at work and at home, and may create an awareness of the students' own nonverbal communication style.

COMM-220 Introduction to Intercultural Communication
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is an introduction to cultural differences and their effects on communication. The course attempts to help students become more sensitive to the needs of people from other cultures with whom we interact. With more diversity in our country, and to create and maintain positive relationships with minimal hostility and friction, an understanding of how to communicate across cultures will prove to be a considerable asset. Communication competence with people of other cultures calls for a repertoire of communication skills rarely taught in any other college course.

COMM-233 Interpersonal Communication
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is an introduction to the skills and concepts that impact how people deal on a one-to-one level within interpersonal relationships. Emphasis is on self-examination and understanding how “I communicate with others” and how that can be improved. Students will develop an understanding of how perception, identity and gender influence our communication. This is an excellent course for developing skills necessary for everyday life where relationships must be developed and maintained.

COMM-236 Small Group Communication
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is designed to present the fundamentals of small group communication in such a way that the student actually experiences the small group process and evaluates his/her own and other's behaviors for success. The course will combine theory and practical application.
Computer Aided Design Technology (CADT)

CADT-141 Introduction to CAD Technology
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course introduces the student to the basic principles of 2D CAD (2-dimensional computer aided design) commands. Typical applications of 2D CAD are presented with basic drafting and design concepts. Basic working drawings are emphasized including plan views, elevations, sections, wall details and stair details.

CADT-142 Introduction to 3D Residential Design
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course introduces the student to residential design focusing on composition, conceptual design and principles of organization and 3D development. Students will develop skills using 3D CAD (3-dimensional computer aided design) software.

CADT-143 Introduction to 3D Commercial Design
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course introduces the student to commercial design focusing on composition, conceptual design and principles of organization and 3D development. Students will develop skills using 3D CAD (3-dimensional computer aided design) software.

CADT-151 Advanced 3D Residential Design
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course introduces the student to advanced residential design focusing on floor plan development and elevation development. Emphasis will be placed on using floor plans and elevations in creating other various working drawings needed to complete a set of drawings for construction.
Prerequisites: CADT-143

CADT-152 Advanced 3D Commercial Design
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course introduces the student to advanced commercial design focusing on floor plan development and elevation development. Emphasis will be placed on using floor plans and elevations in creating other various working drawings needed to complete a set of drawings for construction.
Prerequisites: CADT-143

CADT-153 Commercial Building Design Integration
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course introduces the student to the MEP (mechanical, electrical, and plumbing) systems of a commercial building. Concepts of commercial design are integrated with the development of basic drafting/design concepts and applications.
Prerequisites: CADT-151, CADT-152

CADT-201 Architectural Print Reading and Estimating
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to print reading and interpretation, layout, terminology, materials, construction methods, dimensions, symbols, building codes, estimating techniques, and methods of preparing estimates.

CADT-202 Residential Architecture II
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course focuses on residential architectural standards, fixtures, floor plans, sections, elevations, stairs, roofs, foundations, and building codes. Primary focus is on wood construction techniques, terminology, and materials. Various architectural CAD software applications will be utilized.
Prerequisites: CADT-131

CADT-203 Commercial Architecture II
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course focuses on commercial construction techniques including materials, equipment, fixtures, and building codes. Development of various working drawings will be included. Various architectural CAD software applications will be utilized.
Prerequisites: CADT-133

CADT-204 Residential Architecture III
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course focuses on advanced residential architectural standards, fixtures, floor plans, sections, elevations, stairs, roofs, foundations, and building codes. Development of various working drawings will be included. Various architectural CAD software applications will be utilized.
Prerequisites: CADT-202

CADT-205 Commercial Architecture III
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course focuses on advanced commercial construction techniques including materials, equipment, fixtures, and building codes. Development of various working drawings will be included. Various architectural CAD software applications will be utilized.
Prerequisites: CADT-203

CADT-207 Building Design Integration
2 Credits
Lecture: 1 hour per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course focuses on building design with the integration of design principles, structural components and the mechanical, electrical and plumbing systems. Development of various working drawings will be included. Various architectural software applications will be utilized.
Prerequisites: CADT 204, CADT-205
CADT-250 SolidWorks I
2 Credits
Lecture: 1 hour per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to SolidWorks and presents fundamental principles towards feature-based parametric modeling and design. Emphasis will be on using basic tools towards the creations of parts, assemblies, and drawings.

CADT-252 SolidWorks II
2 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course is a continuation of CADT-250 and presents more in-depth knowledge with feature-based parametric modeling and design. Emphasis will be on parts, assemblies, and drawings.
Prerequisites: CADT-250
Computer Applications & Office Technology (CAOT)

CAOT-115 Outlook
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course will introduce the functions used in Microsoft Outlook including email messages, calendar, contacts, tasks, journals, and notes. This course is based on hardware and software that uses the Windows operating system.

CAOT-120 Word Processing/Word I
1 Credit
Online: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course will lead to proficiency using word processing software to create and format documents according to current business standards. This course is a continuation of CAOT-120. This course provides additional word processing fundamentals in a hands-on environment with business-oriented examples. It includes creating, storing, retrieving, editing, printing, formatting paragraphs and documents, and tables. This is a valuable course for those who want to learn how to use word processing software. In addition, students will demonstrate keyboarding proficiency of 25 wpm/95% accuracy on a three-minute timing. This course is based on hardware and software that uses the Windows operating system.

CAOT-121 Word Processing/Word II
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course will lead to proficiency using word processing software to create and format documents according to current business standards. This course is a continuation of CAOT-120. This course provides additional word processing functions, including graphics, themes and building blocks, merging, styles, templates, and developing multi-page documents. In addition, students will demonstrate keyboarding proficiency of 35 wpm/95% accuracy on a three-minute timing. This course is based on hardware and software that uses the Windows operating system.

Pre/Corequisites: CAOT-120

CAOT-122 Word Processing/Word III
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course will lead to proficiency using word processing software to create and format documents according to current business standards. This course is a continuation of CAOT-121. This course provides instruction in advanced word processing functions including integrating Word with other programs, creating templates and macros, forms, master documents, collaboration, and customizing Word. This course is based on hardware and software that uses the Windows operating system.

Pre/Corequisites: CAOT-120, CAOT-121

CAOT-130 Spreadsheets/Excel I
1 Credit
Online: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course is an introduction to spreadsheet fundamentals. This is a hands-on class that includes basic spreadsheet construction and formatting, formulas and functions, charts, and basic data analysis. Some computer knowledge and basic math skills are recommended. This course is based on hardware and software that uses the Windows operating system. Students may enroll and complete these courses during the same semester.

Pre/Corequisites: CAOT-130

CAOT-131 Spreadsheets/Excel II
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course is a continuation of CAOT-130. This course provides additional spreadsheets functions including managing workbook data, using tables, analyzing table data, automating worksheet tasks, enhancing charts, sharing files, and incorporating web information. This course is based on hardware and software that uses the Windows operating system. Students may enroll and complete these courses during the same semester.

Pre/Corequisites: CAOT-130, CAOT-131

CAOT-140 Database/Access I
1 Credit
Online: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course is an introduction to database management fundamentals. This is a hands-on course that includes basic skills for designing and manipulating a database, building and using queries, sorting and editing records, using forms and reports, and introduces database relationships. This course is based on hardware and software that uses the Windows operating system.

CAOT-150 PowerPoint
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course provides an introduction to presentation software fundamentals using PowerPoint. A hands-on course that uses business-oriented examples, it includes planning, creating, storing, retrieving, editing, formatting, and viewing presentations. This course is based on hardware and software that uses the Windows operating system. Recommended: Some keyboarding proficiency.
CAOT-162 Introduction to Computer Applications
2 Credits
Online: 2 hours per week
Offering: Fall Only, All Years
This course is a rich interactive learning experience designed to give students the basic tools and aptitudes they need to meet today's technology challenges. This course explores how computers and their peripheral devices work and the capabilities of software to meet the needs of the user. Emphasis is placed on the use of computers to manage information for personal and professional uses. Software applications in word processing, spreadsheets, and databases are used during the semester. Lab assignments using software applications are a major portion of the course requirement.

CAOT-164 Computer Fundamentals for Technical Programs
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course covers basic computer concepts including computer hardware, computer software, and using an operating system. Emphasis will be placed on current industry-recognized business applications. Students will become familiar with the basic operations and performance of personal computers. This course is based on hardware and software that uses the Windows operating system.

CAOT-165 Productivity Software for Technical Programs
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course covers productivity software based on Microsoft Office including common program functions, word processing functions, spreadsheet functions, and presentation software functions. Emphasis will be placed on current industry-recognized business applications. This course is based on hardware and software that uses the Windows operating system.

CAOT-166 Living Online for Technical Programs
1 Credit
Online: 1 hour per week
Offering: Fall and Spring Only, All Years
This course covers the basics of the Internet, including networks and the Internet, electronic mail, using the Internet, and the impact of computing and the Internet on society. Emphasis will be placed on current industry-recognized business applications. This course is based on hardware and software that uses the Windows operating system.

CAOT-168 Integrated Medical Office Software
3 Credits
Online: 3 hours per week
Offering: Fall Only, All Years
This course presents the use of an integrated medical practice management and electronic health record system (PM/EHR) in a medical office setting. Students first learn the conceptual framework both for medical billing and for the use of electronic health records in medical documentation and patient management. By working through exercises of increasing difficulty that simulate use of a PM/EHR, students develop transferable skills needed to manage the required software tasks across the total patient encounter. Concepts learned in this course are general enough to cover most integrated medical software packages, and students who complete this course should be able to use other brands of software with minimum training.

CAOT-179 Medical Terminology
2 Credits
Lecture: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is a comprehensive introduction to terminology used in the medical field. Taking a body systems approach, emphasis is placed on anatomy and physiology, abnormal conditions, diagnostic and surgical procedures, as well as medical roots, prefixes, and suffixes. Skill emphasis is placed on defining medical terms and abbreviations, understanding basic human anatomy, and spelling of medical terms.

CAOT-183 Business Editing and Proofreading
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course deals with the principles of English grammar, punctuation, sentence structure, and usage necessary for preparation of all business communications with an emphasis on proofreading, spelling, and editing documents. It is also useful for students who need to apply correct rules or the mechanics of our language to written communications.

CAOT-184 Records Systems Management
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in the management of manual and electronic records. The life cycle of records from creation through disposal or permanent retention is covered. Emphasis is placed on the classification of records, application of the ARMA filing rules, the organization and management of manual and electronic information, types of records storage facilities, the importance of records retention programs, and the necessity of providing for the safety and security of information. The use of manual, mechanical, and automated methods of information storage and retrieval including micrographic and optical disk storage is also discussed.
Prerequisites: CAOT-140
CAOT-186 Medical Coding
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is designed to help learners master the complexity of medical coding. Using the Current Procedural Terminology (CPT) and the International Classification of Diseases - Clinical Modification (ICD-CM) coding books, students will transform written descriptions of diseases, injuries, and procedures into numeric designations. Exercises will cover all medical specialties including dermatology, cardiology, primary care, and orthopedics and addresses the common coding problems encountered in the real world. Skill emphasis is placed on knowledge of coding theories and practical coding applications.
Prerequisites: CAOT-179

CAOT-191 Medical Receptionist Internship
3 Credits
Internship: 9 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides supervised training in medical receptionist skills through workplace experience in a medical-related office. It provides a practical application of medical receptionist skills as part of the learning process.
Prerequisites: CAOT-168, CAOT-179, CAOT-205

CAOT-204 Career Leadership
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course is designed to allow students to explore character traits and to discover the characteristics that are needed to become an effective leader. Students are given an opportunity to apply the knowledge they gain of character and leadership through the planning and implementation of a community service project. Students will be encouraged to participate in service learning and/or leadership activities. Students will demonstrate project management, teamwork, problem solving and time management.

CAOT-205 Business Document Formatting/Transcription
2 Credits
Lecture: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction to machine transcription and document formatting including formatting business documents such as letters, memos, reports, agendas, itineraries, and news releases. Students prepare documents by listening to recorded dictation and transcribing the dictation using word processing software. Development of good listening skills is stressed. Emphasis is placed on developing proofreading and editing skills to produce mailable documents.
Prerequisites: CAOT-120, CAOT-183

CAOT-210 Office Procedures
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is designed to provide students with the information necessary to be successful in today's rapidly changing office environment. In addition to providing students with opportunities to practice and use previously learned skills and abilities, topics include office technology; the global economy; increased diversity in the workplace; career planning and preparation; the importance of interpersonal, oral, and written communication skills; teamwork; critical thinking skills; ethical issues in the work environment; learning and applying effective telephone techniques; handling office callers; scheduling appointments, meetings, and conferences; making travel arrangements; handling the office mail; and stress and time management.
Prereq/corequisites: CAOT-120

CAOT-220 Administrative Support Internship I
3 Credits
Internship: 9 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides supervised training in administrative skills through on-the-job experience in a business office. It provides a practical application of administrative office skills as a part of the learning process and involves approximately nine hours per week of in-office work.

CAOT-221 Administrative Office Management Technology Internship
3 Credits
Internship: 9 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides practical application and supervised training in advanced administrative office management technology skills through workplace experience in an office setting. Instructor permission required.
Prerequisites: 30 credits (level 100 or higher)

CAOT-224 Medical Administrative Assistant Internship
3 Credits
Internship: 9 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides supervised training in administrative medical office skills through on-the-job experience in a medical-related office. It provides a practical application of administrative medical office skills as part of the learning process. The student must demonstrate a minimum of entry-level competence for a Medical Administrative Assistant as determined by the internship supervisor and must document 135 hours at the internship site.
Prerequisites: CAOT-168
CAOT-225 Medical Billing Specialist Internship I
4 Credits
Internship: 11 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides supervised training in medical accounts receivables/insurance billing through on-the-job experience in a medical facility. It provides practical application of medical accounts receivables/insurance billing as part of the learning process. The student must demonstrate a minimum of entry-level competence for a Medical Billing Specialist as determined by the internship supervisor and must document 176 hours at the internship site.
Prerequisites: ACCT-110, CAOT-186

CAOT-226 Medical Billing Specialist Internship II
4 Credits
Internship: 11 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is a continuation of CAOT-225 and provides supervised training in medical accounts receivables/insurance billing through on-the-job experience in a medical facility. It provides practical application of medical accounts receivables/insurance billing as part of the learning process. The student must demonstrate a minimum of entry-level competence for a Medical Billing Specialist as determined by the internship supervisor and must document 176 hours at the internship site.
Prerequisites: CAOT-225

CAOT-250 Office Skills Capstone
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course is an application-oriented capstone assessment of students' proficiency in Computer Application and Office Technology (CAOT), Paralegal (PLEG), or Accounting Assistant skills.
Computer Information Technology (CITE)

CITE-104 Systems Administration I
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course covers the fundamentals of implementing, managing, maintaining, and provisioning services and infrastructure in a server-based network environment. This course covers the initial implementation and configuration of core networking services, such as IP networking, file storage, Directory Services, user and group management, file and print services, and virtualization.

CITE-105 Systems Administration I Projects
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course utilizes projects in teaching the fundamentals of implementing, managing, maintaining, and provisioning services and infrastructure in a server-based network environment. This course covers the initial implementation and configuration of core networking services, such as IP networking, file storage, Directory Services, user and group management, file and print services, and virtualization.

Corequisites: CITE-104

CITE-116 Desktop Operating System Support
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course concentrates on supporting desktop and mobile operating systems in an enterprise computing environment. It examines installation, configuration, networking, remote access, resource access, secure wireless network access, security issues and their resolution.

CITE-118 Computer Information Technology Essentials
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, and the responsibilities of an IT professional. Additional topics include mobile operating systems, OS X, Linux, and client-side virtualization. Expanded topics include Microsoft Windows operating systems, cybersecurity concepts, networking, and troubleshooting.

CITE-119 Computer Information Technology Essentials Projects
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course presents a comprehensive advanced exposure to computer operating systems and hardware. Students working through hands-on activities and labs gain skills in assembling components, install, configure and maintain devices, PCs and software, understand the basics of networking and security/forensics, laptops, printers and properly diagnose, document, resolve common hardware and operating system software issues while applying troubleshooting skills. Students also gain understanding of appropriate customer support; understand the basics of virtualization, desktop imaging, and deployment. Additional topics include mobile operating systems, OS X, Linux, and client-side virtualization. Expanded topics include Microsoft Windows operating systems, cybersecurity concepts, networking, and troubleshooting.

Corequisites: CITE-118
Recommended Prerequisites: CITE-118 and CITE-127

CITE-121 Network Support I
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides students with the knowledge of the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of LAN concepts, media, and operations are introduced to provide a foundation for students.

Corequisites: CITE-122
Recommended Pre/Corequisites: CITE-118 and CITE-119

CITE-122 Network Support I Projects
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Fall and Spring Only, All Years
This course provides students with the knowledge of the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of LAN concepts, media, and operations are introduced to provide a foundation for the student to be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes and troubleshoot network issues.

Corequisites: CITE-121
Recommended Prerequisites: CITE-118 and CITE-119

CITE-127 Desktop Commodity Operating System Support Projects
2 Credits
Lecture: 0.5 hours per week, Lab: 4.5 hours per week
Offering: Fall Only, All Years
This course utilizes projects in supporting commodity desktop and mobile operating systems in an enterprise computing environment. It examines installation, configuration, maintenance, remote access, resource access, secure wireless network access, security issues and their resolution. In addition configuring backups and restoring data, installing patches and updates, and networking are examined.

Corequisites: CITE-116
CITE-140 Introduction to Cybersecurity

3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Fall Only, All Years
This course is designed to provide the fundamental concepts of cybersecurity. These concepts include cybersecurity theory and basic techniques for optimizing security on personal computers and small networks. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security.
Recommended Pre/Corequisites: CITE-118, CITE-121, CITE-122

CITE-142 Information Security Fundamentals

3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course is an introduction to network security and overall security processes and offers in-depth coverage of the risks and threats to an organization's data, combined with a structured way of addressing the safeguarding critical assets. The course provides a foundation for those new to security practices as well as those responsible for protecting network services, devices, traffic, and data.
Recommended Prerequisites: CITE-213 and CITE-215

CITE-145 Cybersecurity Law Ethics

3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course presents the student with issues of law and ethics in cyberspace. Cyber Ethics provides a framework for making ethical decisions that computer professionals are likely to encounter. This course examines ethical and legal issues as they apply to information systems.

CITE-152 Networking Essentials

3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course provides instruction in the fundamentals of networking and allows a student to develop a foundational understanding of network's high-level architecture and operational capacity. Topics explore various ways to interface with networks, including how to build, configure, test, name, and troubleshoot them. Students will learn how devices communicate on a network, and the services they can provide.

CITE-155 Linux Essentials

3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course will provide students with the fundamental concepts of Linux operating systems. The course covers such topics as the Linux file system, commands, utilities, text editing, shell programming, and text processing utilities. Students will learn command line syntax and features of the popular Linux shells, including filename generation, redirection, pipes, and quoting mechanisms. The course is designed to help students prepare for professional careers in the information technology and cybersecurity fields. It also helps prepare individuals seeking to pass Linux-based industry certification.

CITE-165 Linux System Administration

3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course introduces the student to the intermediate level of system administration using Linux operating systems. Additionally, the course provides the broad-based knowledge necessary to prepare students for further study in other specialized security fields and will also appeal to Microsoft professionals seeking to gain Linux experience.
Recommended Prerequisites: CITE-155

CITE-206 Systems Administration II

3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course covers the administration tasks necessary in maintaining a network server in a business infrastructure. Topics include deploying images, managing users and groups in a directory database, managing policies, securing data, remote access, monitoring, and update management.
Prerequisites: CITE-104

CITE-207 Systems Administration II Projects

3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Fall Only, All Years
This course uses projects to teach the skills necessary to maintain network servers in a business infrastructure. Projects include deploying images, managing users and groups using a directory database, management policies, securing data, configuring remote access, monitoring, and configuring update management.
Corequisites: CITE-206

CITE-208 Systems Administration III

3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course covers advanced administration tasks necessary in supporting enterprise network infrastructures. Topics include deploying an enterprise network infrastructure, advanced user and group management, advanced networking services, cross vendor network integration, identity management, designing for fault tolerance, and disaster recovery.
Prerequisites: CITE-206

CITE-209 Systems Administration III Projects

3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course uses projects to teach the skills necessary to support enterprise network infrastructures. Projects include deploying an enterprise network infrastructure, implementing advanced user and group management, implementing advanced networking services, supporting cross vendor network integration, supporting identity management, designing for fault tolerance and disaster recovery.
Corequisites: CITE-208
CITE-213 Network Support II
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with virtual LANs and inter-VLAN routing in both IPv4 and IPv6 networks.
Prerequisites: CITE-121
Corequisites: CITE-215

CITE-215 Network Support II Projects
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Fall and Spring Only, All Years
This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with virtual LANs and inter-VLAN routing in both IPv4 and IPv6 networks.

CITE-217 Network Support III
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality and troubleshoot routers and switches and resolve common issues with routing and switching protocols in IP networks. Students will also develop the knowledge and skills needed to implement remote access operations in a complex network.
Prerequisites: CITE-213

CITE-219 Network Support III Projects
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality and troubleshoot routers and switches and resolve common issues with routing and switching protocols in IP networks. Students will also develop the knowledge and skills needed to implement remote access operations in a complex network.
Corequisites: CITE-217

CITE-235 Network Security Fundamentals
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Fall Only, All Years
This course prepares students for entry-level security specialist careers by developing an in-depth understanding of network security principles and the tools and configurations needed to secure a network. Students will have hands-on experience with network implementation, network security, firewall implementation and maintenance and server hardening techniques.
Recommended Pre/Corequisites: CITE-142

CITE-237 Ethical Hacking and Systems Defense
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course combines an ethical hacking methodology with the hands-on application of security tools to better help students understand securing systems. Students are introduced to common countermeasures that effectively reduce and/or mitigate attacks. Students will also practice using structured knowledge bases to discover vulnerabilities and recommend solutions for tightening network security and protecting data from potential attackers. Focus is on penetration-testing tools and techniques to protect computer networks.
Prerequisites: CITE-235

CITE-239 Network Forensics Incident Response
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course explores security incidents and intrusions, including identifying and categorizing incidents, responding to incidents, log analysis, network traffic analysis, various tools, and creating an incident response team.
Prerequisites: CITE-235

CITE-243 Command Line and Scripting Fundamentals
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course teaches the fundamental skills necessary for working in a command line environment of today’s common operating systems such as Microsoft DOS and PowerShell and the Linux Bash environment. This course is intended for technical professionals wanting to advance their skills and for students preparing for a technology-related career. It also offers an introduction to scripting languages including basic data types, control structures, regular expressions, input/output, and textual analysis.

CITE-258 Cyber Operations
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course teaches knowledge and skills needed to successfully handle the tasks, duties, and responsibilities of an associate-level Cybersecurity Analyst working in a Security Operations Center (SOC). Students are exposed to the knowledge required to detect, analyze, and escalate basic cybersecurity threats. Numerous opportunities are offered to a student to practice the necessary skills using common open-source tools.
CITE-275 Intrusion Detection/Prevention Systems Fundamentals
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Fall Only, All Years
This course is designed to allow students to gain a thorough foundation in the design, implementation, and administration of Intrusion Detection Systems and Intrusion Prevention Systems, as well as practical, hands-on experience working with these systems. In addition, students analyze various attack signatures and the network traffic these systems collect.
Corequisites: CITE-235

CITE-289 Cyber Competitions
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course prepares the student to participate in various cybersecurity competitions. It covers topics in the major areas of concentration for the competitions, and students will participate in practice competitions. Participating in a competition teaches students practical techniques for securing a network or personal data. This course provides an in-depth understanding of how to effectively protect computer networks. Students will learn the tools and penetration testing methodologies used by ethical hackers. In addition, the course provides a thorough discussion of what and who an ethical hack is and how important they are in protecting corporate and government data from cyber attacks. Students will learn updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also covered is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking.

CITE-295 Computer Information Technology Internship
4 Credits
Lecture: 1 hour per week, Internship: 9 hours per week
Offering: Spring Only, All Years
This course involves a working partnership in which the sophomore students of the CITE program join with area employers in a structured, real-life relationship. Students will gain insight and on-the-job work experience doing projects that would normally be assigned to the employer’s entry-level support staff. During this supervised experience, students will be evaluated on their performance of course competencies. Students are responsible for finding an appropriate internship site and permission of the instructor is required. This course may be used to substitute for ATEC-117.
Prerequisites: 26 credits (level 100 or higher)

CITE-296 Cybersecurity Internship
3 Credits
Internship: 9 hours per week
Offering: Fall and Spring Only, All Years
This course involves a working partnership in which the sophomore students of the Network Security Administration program join with area employers in a structured, real-life relationship. Students will gain insight and on-the-job work experience doing projects that would normally be assigned to the employer’s entry-level support staff. During this supervised experience, students will be evaluated on their performance of course competencies. Students are responsible for finding an appropriate internship site and permission of the instructor is required. This course may be used to substitute for ATEC-117 or CITE-289 Cybersecurity Competitions in the Network Security Administration program. Students must be sophomore status or have instructor permission to enroll in CITE-296.
Computer Science (CS)

CS-100 Introduction to Computers and Computer Science
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction to computers and computer science for non-computer science majors. Prior experience with computers, such as using a graphical user interface and a word processor, is recommended. Students with no prior experience will be expected to attend out-of-class labs to learn the basics of a computer. Topics include an historical perspective, evolving hardware and software, using the Internet, creating web pages, social implications, and using a modern programming language. Problem solving and algorithm development are important themes of the class. The course involves substantial use of microcomputers outside of class and the possible use of minicomputers and alternative operating systems.
Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.

CS-107 Introduction to Robotics Programming
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides an introduction to programming using RobotC programming language. No prior programming experience is expected. The course is appropriate for any student interested in learning how to program in C along with the hands-on experience of making the NXT Robot run on the programs designed in class. It provides an introduction to fundamentals of programming basics of RobotC programming language an hardware NXT design. Students will program robots and learn how to control a robot’s direction and speed. Student will also learn how robots use feedback from sensors (touch, light, sound) to interpret the world around them. Students will apply their knowledge to create obstacle courses challenges that the programmed robot will run autonomously.
Recommended Prerequisites: CS-100

CS-115 Introduction to Problem Solving and Programming
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides an introduction to computational thinking and problem solving. Students will be able to apply elementary computing concepts including variables, loops, functions, lists, conditionals, concurrency, data types, simple object oriented concepts, I/O, events, syntax, and structured programming. Basic concepts of computer organization and editing, and the influence of computers in modern society will be explored. NOTE: CS-115 carries no credit if taken after successful completion of higher numbered computer science courses.
Prerequisites: MATH-108 or an appropriate score on a placement test.

CS-150 Computer Science I
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course offers an introduction to the field of computer science using a current programming language. Central themes of the class include an introduction to computer organization; algorithmic problem solving; structured and object oriented program design; and the societal and professional context in which computer science exists. Fundamental data types including arrays and structures will be explored and concepts such as complexity, invariants, abstract data types, pointers, and linked lists will be introduced.
Prerequisites: CS-115, MATH-144, MATH-147 or an appropriate score on a placement test.
Corequisites: CS-150L

CS-151 Computer Science II
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course provides continuing experience in problem solving and software design methods. The exploration of recursion is continued and the entire software-design cycle is considered in greater depth. Introduction to abstract data types and fundamental data structures will cover topics: writing code to generate, use, and maintain complex dynamic structures, including linked lists, pointers, stacks, queues, sorts, searches, and trees. Other topics include a continued development of skills in the analysis of algorithms, dynamic memory use, and the use of external files.
Prerequisites: CS-150
Corequisites: CS-151L
Pre/Corequisites: MATH-187

CS-155 Computer Organization and Assembly Language
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course covers topics including digital logic, machine-level representation of data, and processor architecture covering the ALU, control unit, assembly language, memory organization, addressing methods, I/O and interrupts.
Prerequisites: CS-150
Pre/Corequisites: MATH-187

CS-210 Programming Languages
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course develops fundamental concepts of major programming languages, with primary emphasis on language features and their role in designing code and software. Students will study the constructs of programming language design including a conceptual study of procedural, data-flow, functional, and object-oriented languages.
Prerequisites: CS-151
CS-213 Languages of Computer Science: Java
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an introduction to the programming language Java. The course will include the features of Java such as objects, classes, wrappers, constructors, inheritance, method overloading, threads, error handling with exceptions, applets, java.awt (the Abstract Windows Toolkit) and possibly other Java packages. Recommended: High level language programming class such as C++ or permission of the instructor.

CS-240 Digital Logic
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Spring Only, Even Years
This course includes the following topics: digital logic concepts, logic design, Karnaugh maps, combinational and sequential networks, state tables, state machines, and programmable logic arrays. Laboratory activities use basic lab equipment, logic analyzers, and digital oscilloscopes.
Prerequisites: MATH-170 or MATH-187
Corequisites: CS-240L

CS-241 Computer Operating Systems
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an overview of operating systems and operating system principles. It includes sections on concurrency, scheduling and dispatch, memory management, net-centric computing, OS security, and process management. Concurrent programming using threads is also explored.
Prerequisites: CS-151, CS-155
Pre/Corequisites: CS-228 or CS-270

CS-270 System Software
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is designed to provide an introduction to the UNIX operating system and variants (such as Linux) as well as system programming concepts. Programming productivity tools will be introduced such as making, debugging, linking, and loading tools. Shell programming and scripting languages will also be used. System programming tools include process management and interprocess communication, exception handling, network concepts, and network programming.
Prerequisites: CS-151
Construction Management (CMGT)

CMGT-210 Construction Materials and Methods
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an introduction to construction vocabulary and knowledge. Identification of construction materials, elements, and systems.

CMGT-220 Introduction to Construction Management
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course studies construction management in a global environment. Topics include organizational environments, contract delivery methods, the design and construction process, basic estimating, and basic scheduling.

CMGT-245 Drawings, Specifications, and Codes
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
Reading and interpretation of construction drawings. Introduction to and practice in how orthographic views and pictorial drawings are used to represent objects. Organization, vocabulary and meaning of construction specifications and building codes.

CMGT-250 Construction Communications
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
Preparation of effective oral presentations and written documents and correspondence related to common construction industry scenarios. Consideration of ethical, professional, and civil behavior in both written and oral communication for construction project administration and management.
Credit for Prior Learning (CPL)

CPL-121 Introduction to Credit for Prior Learning
1 Credit
Lecture: 1 hour per week
This course is designed to introduce students to credit for prior learning. Students will summarize prior learning experiences, request and review outlines for applicable courses, develop goal statements, and write a detailed work history.

CPL-122 Credit for Prior Learning Portfolio Development
2 Credits
Lecture: 2 hours per week
This course is designed to instruct students in methods utilized to summarize and document prior learning experiences. Students will describe skills, competencies and areas of knowledge that may have been attained outside of a traditional classroom environment. Students will write, edit and build a portfolio.
Prerequisites: CPL-121

CPL-123 Portfolio Credit Assessment
1-15 Credits
Portfolio Review
A team comprised of a minimum of three people including program instructors, the Division Chair, and the Dean will evaluate portfolio requests for credit. It is the student's responsibility to provide sufficient information about previous learning experiences and how they have applied the learning in the specific profession.
Prerequisites: CPL-121, CPL-122
Criminal Justice (CJ)

CJ-103 Introduction to Criminal Justice
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is an introduction to the American criminal justice system and is intended to provide an overview of the Criminal Justice field. Students examine each of the three primary components of the justice system: policing (law enforcement and its agencies), adjudication (the court system and its actors), and the corrections (theory and practice). Each component will examine the social and legal relationships between individual rights and societal rights.

CJ-201 Policing In America
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course will examine the challenges of police and the community in American society. By integrating theory, research, and policy, this course will provide a foundation on the history of police and community relationships, police work, police culture/behavior, police discretion, and related topics such as law enforcement and social polarization.
Prerequisites: CJ-103

CJ-202 Corrections in America
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course includes a survey of the historical, philosophical, and legal bases of correctional procedures and institutions and an examination of current problems and innovations.
Prerequisites: CJ-103

CJ-205 Criminal Procedures
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course includes an examination of the procedural aspects of criminal law. It will include specific applications of procedures by actors in the criminal justice process including police, prosecutors, defense attorneys, judges, and corrections officials. This examination will provide a basic understanding of state and local legal codes, as well as current applications of law in both arrest and search and seizure.

CJ-245 Introduction to Criminology
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course introduces students to the study of criminology by exploring a broad range of issues related to crime and criminal behavior. The course reviews the theoretical foundations and relevant research for understanding the causes of crime, criminal behavior, and systems of punishment within society. This course is the same as SOC-245.
Recommended Prerequisites: SOC-101 or SOC-102

CJ-290 Criminal Justice Internship
3 Credits
Internship: 9 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides students with an opportunity to work in an agency related to their academic interest and early career goals. The Criminal Justice Internship Program is intended to reinforce academic concepts through practical work experience, to familiarize students with the rigor of the workplace, and to assist students in making future career choices complementary to their abilities. It involves 135 hours (approximately nine hours each week for 15 weeks) of on-the-job-training with a qualified supervisor. It is graded on a satisfactory/unsatisfactory basis.
Prerequisites: CJ-103
Recommended Prerequisites: CJ-205, CJ-202, CJ-245 and POLS-101
CUL-111 Food Safety and Sanitation
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides a clear understanding of daily procedures required to ensure that food is handled safely, avoiding contaminants that cause serious food-borne illnesses. Students will prepare for the ServSafe Managers Examination, earning a certification with a score of 75% or higher. This course is the same as HOSP-111.

CULA-120 Professional Kitchen I
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to the professional kitchen. Students will explore the history of the professional kitchen and its organization. An overview of food safety and sanitation, nutrition, menu and recipes, kitchen staples and equipment identification, and kitchen equipment use will be presented. Skills development will include knife skills, basic cooking methods and techniques, and calculation of recipe conversions, total recipe cost, and cost per portion.

CULA-120L Professional Kitchen Lab I
4 Credits
Lab: 12 hours per week
Offering: Fall Only, All Years
This course will apply the knowledge and skills taught in Professional Kitchen I theory while operating Emery’s, the college restaurant. Emphasis is placed on practical experiences to enhance skills in food safety and sanitation; use of equipment; knife skills, basic cooking methods, and techniques; and recipe conversions, recipe costs, and costs per portion.

CULA-121 Professional Kitchen 2
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course integrates the fundamental culinary and baking principles learned in Professional Kitchen I with an emphasis on more advanced concepts, including poultry, seafood, and meat cookery; advanced garde manger; advanced custards; fruit desserts and garnishes; basic cake and icings; and churned/still frozen desserts.

CULA-121L Professional Kitchen Lab 2
4 Credits
Lab: 12 hours per week
Offering: Spring Only, All Years
This course will provide students practical application of the skills learned from theory courses through the exploration of more advanced menu offerings while operating Emery’s Restaurant.
Prerequisites: CULA-120L

CULA-123 Food Science
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course covers the chemical and physical changes in foods that occur with cooking, handling, and processing. Topics include heat transfer and its effect on color/flavor/texture, emulsification, protein coagulation, leavening agents, viscosity, and gel formation. Upon completion, students should be prepared to demonstrate an understanding of these principles as they apply to food preparation in a lab setting.

CULA-130 Menu Planning and Procurement
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course is an introduction to the fundamentals of menu construction. Emphasis is placed on the importance of the menu in creating a successful business. Students will examine and analyze various menu models and learn how changes to the menu can drastically increase/decrease sales, create interest, satisfy individual tastes and nutritional needs, and be used as an important sales and marketing tool. Principles of purchasing and the effect on profitability of hospitality operations will be explored.
Prerequisites: CULA-165

CULA-165 Introduction to Customer Service
3 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course will focus on the basics of customer service. Quality customer service will be at the center of all discussions. Special attention will be placed on front-end restaurant and dining service procedures. Students will apply principles learned in class during the "on-the-job" lab in the college restaurant. A skills development log and completion of written assignments will be required.

CULA-165L Introduction to Customer Service Lab
0 Credits
Lab: 3 hours per week
Offering: Fall Only, All Years
This course is an on-the-job training lab to be taken in conjunction with CULA-165. Principles taught in CULA-165 will be applied in this lab.

CULA-166 Restaurant Customer Service Operations
3 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course will explore advanced customer service relations, dining room procedures, and internal customer service. Students will learn and experience a variety of front-end positions including service supervisor. Special service situations will be addressed as well as standards for industry communications. Students will apply principles learned in class during the "on-the-job" lab in the College restaurant. A skills development log and completion of written assignments will be required.
Prerequisites: CULA-120, CULA-165
Corequisites: CULA-121, CULA-130
CULA-166L Restaurant Customer Service Operations Lab
0 Credits
Lab: 3 hours per week
Offering: Spring Only, All Years
This course is an on-the-job training lab to be taken in conjunction with CULA 166. Principles taught in CULA 166 will be applied in this lab.

CULA-176 Culinary Arts Internship
2 Credits
Internship: 6 hours per week
Offering: Spring Only, All Years
This course provides supervised training in culinary arts through "on-the-job" experience in a restaurant or related facility. It provides a practical application of culinary skills as part of the learning process.
Prerequisites: CULA-120, CULA-165

CULA-211 Culinary Nutrition
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to the basic elements of nutrition. Nutritional menu planning, development of healthy recipes, and marketing nutrition in the food service industry will be discussed. The characteristics, functions, and food sources of the major nutrients and the procedures used to maximize nutrient retention in food preparation and storage will be examined. Students will learn the principles of nutrient needs throughout the life cycle as they apply to menu planning and food production.
Prerequisites: CULA-120, CULA-120L, CULA-121, CULA-121L

CULA-222 Professional Kitchen 3
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course will continue to build upon the fundamental techniques of culinary and baking/pastry skills, recipe/menu planning, culinary nutrition, and international and American regional cuisines.
Prerequisites: CULA-120, CULA-120L, CULA-121, CULA-121L

CULA-222L Professional Kitchen Lab 3
3 Credits
Lab: 9 hours per week
Offering: Fall Only, All Years
This course will continue to build upon the fundamental techniques of culinary and baking/pastry learned throughout the first two rotations with an emphasis on advanced savory and baking pastry skills, recipe/menu planning, culinary nutrition, international and American regional cuisines. Students are required to synthesize information given during demonstration, lecture, and daily production to form classic and unique dishes involved in "a la carte" menu items.
Prerequisites: CULA-120, CULA-120L, CULA-121, CULA-121L

CULA-223 Professional Kitchen 4
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course focuses on professional development with an emphasis on marketing, accounting and cost controls, and supervision/personnel management. Previous management strategies discussed will be compiled into a working philosophy that students can apply to managing/running a food service operation (preparing students for management roles within food service).
Prerequisites: CULA-222, CULA-222L

CULA-223L Professional Kitchen Lab 4
3 Credits
Lab: 9 hours per week
Offering: Spring Only, All Years
This course is the capstone or culmination of all theory and skills learned throughout the previous three semesters of study. Students will apply managerial strategies as well as advanced culinary and baking/pastry techniques into daily production at Emery's Restaurant, the student-operated restaurant. Students will also serve as mentors, guiding first-year students through rotation in both front and back of the house operations.
Prerequisites: CULA-222, CULA-222L

CULA-265 Restaurant Supervision
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course features comprehensive, applications-based coverage of all aspects of developing, opening, and running a restaurant. This includes topics such as staffing, legal and regulatory concerns, cost control and general financing, marketing and promotion, equipment and design, the menu, sanitation and concept.
Prerequisites: CULA-165, CULA-166

CULA-266 Restaurant Entrepreneurship
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course features comprehensive, applications-based coverage of all aspects of developing, opening, and running a food operation in the capacity of management and/or owner.
Prerequisites: CULA-165, CULA-166

CULA-267 Purchasing/Cost Controls
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course addresses the fundamentals of selection, procurement, storage, receiving, and cost controls used by food service establishments. Principles of purchasing and management cost controls will be examined for their effect on profitability of food service operations.
Prerequisites: CULA-165, CULA-166
CULA-268 Introduction to Wine, Beer and Spirits

2 Credits

Lecture: 2 hours per week
Offering: Spring Only, All Years

This course provides an introduction to wine, beer and spirits. Along with a history of each type of beverage, this course also covers how these beverages are produced and manufactured, beverage varieties and styles, and food pairings. Cost, pricing, merchandising, marketing, storing, and table service are also reviewed.

Prerequisites: CULA-165, CULA-166
Dance (DANC)

DANC-111 Dance Forms and Styles
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course will explore the many different forms of dance, from the Charleston to the waltz to jazz. It also covers different periods of history, styles, and rhythms. This course may be repeated for a total of four credits.

DANC-112 Social/Swing Dance
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course will teach the East Coast Swing dance, a popular couple dance. Single, double, and triple rhythm will be covered, along with both 6-count and Lindy Hop 8-count step versions. Other related dances (West Coast Swing, Jive, Foxtrot) may be introduced depending on the students' interests and skill level. Students will get a moderate intensity workout that improves endurance, agility, coordination, balance, and posture. This course may be repeated for a total of four credits. A special activity fee may be required.

DANC-113 Jazz Dance I
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to the movements and styles of today's jazz dancer. It emphasizes exercises and combinations of steps and explores theatrical, lyrical, and "funk" styles set to popular music. This course is a fun alternative to sports and helps develop an appreciation for the art form, music, rhythm awareness, and coordination. It also provides physical conditioning through strength and flexibility. This course may be repeated for a total of four credits.

DANC-114 Jazz Dance II
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is a continuation of DANC-113, exploring movements and styles of today's jazz dancer. It emphasizes exercise, combination steps, and explores theatrical, lyrical, and "funk" styles to popular music. This course provides an alternative to sports and helps develop an appreciation for the art form, music, rhythm awareness, and coordination. It also provides physical conditioning through strength and flexibility. This course may be repeated for a total of four credits.

DANC-115 Modern Dance: Beginning I
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is a discovery of dance movement through the physical and mental discipline techniques of Graham and Cunningham. It includes an insight into how dances are created through improvisation, and by analyzing these movements, students will explore choreography. This course provides a creative outlet and physical conditioning of strength and flexibility. It also develops coordination and an appreciation of the art form. This is an excellent course for theatre and performing arts students. This course may be repeated for a total of four credits.

DANC-117 Ballet: Beginning I
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course focuses on basic technique, body alignment, and the development of step combinations. It includes related terminology and history of the art form. DANC-117 helps improve flexibility, muscle strength and control, and mental discipline over the body and promotes the aesthetic understanding and appreciation of classical ballet. This course may be repeated for a total of four credits.

DANC-118 Ballet: Beginning II
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is a continuation of DANC-117 for beginners and concentrates on technique, alignment, and progressions. The student is introduced to more complex steps through faster-paced instruction. The course increases flexibility, muscle strength and control, and mental discipline over the body and enhances an appreciation of the art form as technique improves. This course may be repeated for a total of four credits.

DANC-120 Latin Social Dance
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course will teach popular and exciting Latin couple dances, with an emphasis on Salsa and Cha Cha. Students will learn steps, techniques, and Latin motion style particular to these social dances. Other Latin dances may be introduced (Rumba, Samba, and Merengue) depending on the student's interest and skill level. This course may be repeated for a total of four credits. A special activity fee may be required.

DANC-121 Tap Dance: Beginning I
1 Credit
Lab: 2 hours per week
Offering: Fall Only, All Years
This course is a basic class in standard tap dance technique. The course will focus on an introduction to the history of American tap dance. Students will be given exposure to fads and current styles which are popular in the tap technique syllabus. This includes classical tap, stomp, step dance and clogging, and rhythm tap. This course may be repeated for a total of four credits.
Dental Hygiene (DENT)

**DENT-100 Dental Hygiene Pre-Clinic**
*3 Credits*
Lecture: 1 hour per week, Lab: 6 hours per week  
Offering: Spring Only, Odd Years  
This course is an introduction to the dental hygiene process of care with emphasis on professionalism, basic instrumentation skills and patient assessment processes.  
Corequisites: DENT-110, DENT-115, DENT-120

**DENT-110 Head, Neck, Oral, and Dental Anatomy**
*4 Credits*
Lecture: 3 hours per week, Lab: 3 hours per week  
Offering: Spring Only, Odd Years  
This course presents the anatomy of the human facial structures and comprehensive study of the anatomy of the head and neck as well as the surrounding hard and soft tissues. The dental hygiene student will develop a firm foundation in the anatomy of the head, neck, and oral structures. Topics presented include the formation of the face, development and growth of the jaws, and the origin and stages of tooth and root formation and development. This course presents an in-depth coverage of the anatomy of the teeth and surrounding soft tissues.  
Corequisites: DENT-110, DENT-115, DENT-120

**DENT-115 Oral Health Education**
*2 Credits*
Lecture: 2 hours per week  
Offering: Spring Only, Odd Years  
This course instructs dental hygiene students in the methods used to prevent oral disease, modify behaviors, and educate patients. Students will apply preventative oral health concepts and develop individualized oral health care plans in clinical dental hygiene and community health environments.  
Corequisites: DENT-100, DENT-115, DENT-120

**DENT-120 Oral Radiography**
*3 Credits*
Lecture: 2 hours per week, Lab: 3 hours per week  
Offering: Spring Only, Odd Years  
This course will cover historical background, terminology, concepts and principles of x-radiation, x-ray generation, radiologic health and safety measures, normal radiographic dental anatomy, and radiographic legalities. Film technique including critiquing, exposing, processing, and mounting will also be explored. Laboratory work provides skills in dental radiographic exposure on mannequins as well as processing techniques. Through combined lecture and laboratory sessions, students will gain experience in digital radiography, intraoral photography and extraoral radiography.  
Corequisites: DENT-100, DENT-110, DENT-115

**DENT-125 Embryology, Histology, and Morphology**
*2 Credits*
Lecture: 2 hours per week  
Offering: Fall Only, Odd Years  
This course will enable the dental hygiene student to develop a basic understanding of the microscopic structure of the primary and dental tissue groups of the human body. Gained knowledge enables the student to relate embryonic development to the normal and abnormal structures of the head and oral cavity, preparing the student to differentiate between normal and abnormal clinical manifestations in subsequent courses.  
Prerequisites: DENT-100, DENT-110, DENT-115, DENT-120  
Corequisites: DENT-130, DENT-150, DENT-151

**DENT-130 Periodontology I**
*2 Credits*
Lecture: 2 hours per week  
Offering: Fall Only, Odd Years  
This course provides a detailed study of the various periodontal diseases, with emphasis on histological and clinical recognition as well as treatment of the diseases.  
Prerequisites: DENT-100, DENT-110, DENT-115, DENT-120  
Corequisites: DENT-125, DENT-150, DENT-151

**DENT-150 Dental Hygiene Clinic I**
*3 Credits*
Lab: 9 hours per week  
Offering: Fall Only, Odd Years  
In this course, the dental hygiene student acquires basic clinic competencies in patient assessments, radiographic techniques, patient education techniques, and delivery of preventative and therapeutic services. Additional topics include evaluation of the effectiveness of therapy and attainment of patients' goals.  
Prerequisites: DENT-100, DENT-110, DENT-115, DENT-120  
Corequisites: DENT-125, DENT-130, DENT-151

**DENT-151 Dental Hygiene Theory I**
*3 Credits*
Lecture: 3 hours per week  
Offering: Fall Only, Odd Years  
This course builds foundations for the dental hygiene preclinic/labs through focus on the elements of the complete process of care. Topics include risk assessments; patients with medical, physical and psychological conditions; and emphasizing treatment modifications for medically and physically compromised patients. A firm foundation in infection control procedures, client assessment, fluoride therapies, and disease prevention is highlighted. Students examine management of medical emergencies, OSHA regulations, the blood-borne pathogen standard, the hazard communication standard, and CDC guidelines. Instrumentation principles, sharpening, ergonomic standards, the preparation for the delivery of educational and therapeutic patient services, preventive counseling, and ultrasonic instrumentation also are addressed.  
Prerequisites: DENT-100, DENT-110, DENT-115, DENT-120  
Corequisites: DENT-125, DENT-130, DENT-150
DENT-200 Dental Hygiene Clinic II
4 Credits
Lecture: 12 hours per week
Offering: Spring Only, Even Years
This course continues to provide an application of the dental hygiene process of care with emphasis on comprehensive care planning, case presentation, clinical decision making, advanced instrumentation, and improved time utilization.
Prerequisites: DENT-125, DENT-130, DENT-150, DENT-151
Corequisites: DENT-201, DENT-215, DENT-230, DENT-235

DENT-201 Dental Hygiene Theory II
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, Even Years
This course builds foundations for the dental hygiene pre-clinic/labs through focus on the elements of the complete process of care. Topics include risk assessments; patients with medical, physical and psychological conditions; and emphasizing treatment modifications for medically and physically compromised patients. A firm foundation in infection control procedures, client assessment, fluoride therapies, and disease prevention is highlighted. Students examine management of medical emergencies, OHSAs, regulations, the blood-born pathogen standard, the hazard communication standard, and CDC guidelines. Instrumentation principles, sharpening, ergonomic standards, the preparation for the delivery of educational and therapeutic patient services, preventative counseling, and ultrasonic instrumentation are also addressed.
Prerequisites: DENT-125, DENT-130, DENT-150, DENT-151
Corequisites: DENT-200, DENT-215, DENT-230, DENT-235

DENT-215 Oral Pathology/Immunology
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, Even Years
This course presents processes of inflammation, wound healing, repair, regeneration, and immunological responses. Topics include oral manifestations of systemic diseases and developmental anomalies of the oral cavity. In addition, commonly encountered diseases and disorders of the head and neck will be covered. Emphasis will be placed on recognizing the differences between pathological and normal tissues, and the study of all aspects of the immune system.
Prerequisites: DENT-125, DENT-130, DENT-150, DENT-151
Corequisites: DENT-200, DENT-201, DENT-230, DENT-235

DENT-230 Periodontology II
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, Even Years
This course provides continued study of the recognition and treatment of periodontal diseases with an emphasis on surgical components and advanced periodontal treatments related to dental hygiene practice.
Prerequisites: DENT-125, DENT-130, DENT-150, DENT-151
Corequisites: DENT-200, DENT-201, DENT-215, DENT-235

DENT-235 Pain Management
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, Even Years
This course covers current science, theories, and implementation of local anesthesia and nitrous oxide/oxygen conscious sedation. A review of anatomy, physiology, pharmacology, and emergency procedures associated with local anesthesia and nitrous oxide conscious sedation will be addressed. Students will learn foundational skill development in the administration of infiltration and block anesthesia in dental hygiene procedures and will gain laboratory and clinical experience in administration of local anesthesia and nitrous oxide.
Prerequisites: DENT-125, DENT-130, DENT-150, DENT-151
Corequisites: DENT-200, DENT-201, DENT-215, DENT-230

DENT-240 Community Dental Health
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, Even Years
This course introduces the history and principles of community dental health and healthcare delivery systems. Topics include the prevention of oral disease, development of public policy and implementation of community efforts to enlighten the public. Issues surrounding access to care, managed care, private practice, independent practice, as well as trends in dental insurance reimbursement are presented. In addition, students will gain insight into research design, statistical methods and evaluation by participating in a research project. Selected current topics in international healthcare are presented.
Prerequisites: DENT-200, DENT-201, DENT-215, DENT-230, DENT-235
Corequisites: DENT-245, DENT-250, DENT-260, DENT-270

DENT-245 Advanced Instrumentation
1 Credit
Lab: 3 hours per week
Offering: Fall Only, Even Years
This course is a continuation of learning experiences in advanced periodontal instrumentation and root instrumentation. The student will study the advanced techniques and technology used to treat moderate to advanced periodontal disease.
Prerequisites: DENT-200, DENT-201, DENT-215, DENT-230, DENT-235
Corequisites: DENT-240, DENT-250, DENT-260, DENT-270

DENT-250 Dental Hygiene Clinic III
4 Credits
Lab: 12 hours per week
Offering: Fall Only, Even Years
This course provides application of the dental hygiene process of care with emphasis on diverse populations. Students prepare for clinical practice using self-assessment, evaluation, time management awareness, and critical thinking skills.
Prerequisites: DENT-200, DENT-201, DENT-215, DENT-230, DENT-235
Corequisites: DENT-240, DENT-245, DENT-260, DENT-270
DENT-260 Dental Materials
3 Credits
Lecture: 1 hour per week, Lab: 6 hours per week
Offering: Fall Only, Even Years
This is the integrated lecture/laboratory course that introduces students to the dental laboratory environment. Students will learn to assist the dentist in restorative, fixed and removable prostheses. Included will be an introduction to restorative techniques with emphasis on posterior tooth anatomy, placement of amalgam restorations, rubber dam isolation, and matrix and wedge placement. Also included will be the etiology of the decay process, cavity classification, cavity preparation, properties of amalgam, and maintenance of proper occlusal relationships with restorative treatment.
Prerequisites: DENT-200, DENT-201, DENT-215, DENT-230, DENT-235
Corequisites: DENT-240, DENT-245, DENT-250, DENT-270

DENT-270 Dental Hygiene Review/Ethics and Law
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, Even Years
This course will begin with a review of healthcare principles used in dental hygiene to help identify, clarify, and support choices when faced with an ethical problem or dilemma. This course will also provide students with marketable job search techniques and skills. Students will review the dental hygiene content and take a simulation of the written Dental Hygiene National Board Examination.
Prerequisites: DENT-200, DENT-201, DENT-215, DENT-230, DENT-235
Corequisites: DENT-240, DENT-245, DENT-250, DENT-260
Diesel Technology (DSLT)

DSLT-104 Safety and Introduction to Shop Practices
2 Credits
Lecture: 1 hour per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course will cover the theory and application of shop safety, tool and equipment usage, precision measuring, basic welding, and oxyacetylene skills.

DSLT-117L Diesel Lab
2 Credits
Lab: 6 hours per week
Offering: Summer Only, All Years
This course provides students with hands-on exposure in a shop setting on the subjects covered in the DSLT-123 theory class. Instruction utilizes a variety of mock-ups, training aids, components, and limited live customer work. Primary emphasis will be placed on suspension system and steering diagnostics and repair.

DSLT-123L Diesel Engines/Electrical Systems Lab
6 Credits
Lab: 12 hours per week
Offering: Fall Only, All Years
This course will give students hands-on exposure in a shop setting to those subjects covered in the DSLT-123 theory class. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

DSLT-124 Powertrain/Brake Systems
5 Credits
Lecture: 3 hours per week, Lab: 6 hours per week
Offering: Spring Only, All Years
This course will teach students the operation, construction, service, and repair of heavy-duty clutch systems, manual transmissions, drivelines, universal joints, single and two-speed differentials, as well as axles and bearings. This course will also teach students the operation, construction, service, and repair of heavy truck and equipment air systems, foundation air brake systems, foundation hydraulic brake systems, as well as wheels and seals.
Corequisites: DSLT-124L

DSLT-124L Powertrain/Brake Systems Lab
6 Credits
Lab: 12 hours per week
Offering: Spring Only, All Years
This course will give students hands-on exposure in a shop setting to those subjects covered in the DSLT-124 theory class. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.
Corequisites: DSLT-124

DSLT-125 Diesel Engines
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course will include instruction on the basics of how to identify, repair, rebuild, and/or replace diesel engines. Students will learn two-stroke and four-stroke combustion engine theory as well as engine performance criteria. Instruction will include the operation and basic principles of various diesel engine components and their respective systems.

Corequisites: DSLT-223L
Recommended Prerequisites: DSLT-133

DSLT-126 Electrical Systems
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course will cover troubleshooting and repair procedures for heavy-duty electrical systems, including electrical principles as they relate to the components used in trucks and heavy equipment, writing schematics, and lighting along with the associated testing and repair procedures for each system. Topics include basic electricity fundamentals, starting, and charging systems, batteries, troubleshooting, and lighting systems.

DSLT-133 Introduction to Electrical
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course will cover fundamental electrical theory concepts and basic electrical system formulas.

DSLT-137 Suspension/Steering and A/C
2 Credits
Lecture: 2 hours per week
Offering: Summer Only, All Years
This course teaches students the operation, components, and repair of various truck and heavy equipment suspension systems. Instruction also covers the theory, operation, components, and repair of mobile air conditioning systems.
Corequisites: DSLT-117L

DSLT-203 Basic Hydraulic Systems
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course covers basic hydraulic system principles and hydraulic components. Exposure to simple hydraulic formulas will also be covered.

DSLT-223 Advanced Tune-Up/Computerized Engines
4 Credits
Lecture: 2 hours per week, Lab: 6 hours per week
Offering: Fall Only, All Years
This course will teach students how to troubleshoot, adjust, repair, or replace components associated with tune-up procedures for diesel engines. Exhaust emissions and other environmental issues pertaining to diesel engines will also be discussed. Students will also learn the operation, construction, and repair techniques associated with diesel fuel systems and induction systems. The course will provide students with the opportunity to become aware of the principles of theory for control devices, governors, and other controls related to diesel engines. This course will also teach students how to test, troubleshoot, adjust, repair, or replace components associated with computerized engines. Students will also learn the operation, construction, and theory of computerized engine controls.
Corequisites: DSLT-223L

DSLT-230 Basic Automotive Diagnosis and Repair
4 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course will cover the theory, application, and repair of automotive systems, including computerized engine systems and related diagnostic testing. Students will learn how to perform basic electrical system formulas.
DSLT-223L Advanced Tune-Up/Computerized Engines Lab  
**6 Credits**  
**Lab:** 12 hours per week  
**Offering:** Fall Only, All Years  
This course will give students hands-on exposure in a shop setting to those subjects covered in DSLT-223 theory class. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.  
**Corequisites:** DSLT-223  
**Recommended Prerequisites:** DSLT-123L, DSLT-133

DSLT-224 Undercarriage/Powershift Transmissions And Hydraulics  
**4 Credits**  
**Lecture:** 2 hours per week, **Lab:** 6 hours per week  
**Offering:** Spring Only, All Years  
This course teaches students the operation, construction, and repair of heavy equipment undercarriages and heavy-duty power-shift transmissions. Instruction covers construction and repair of various power-train components used in the heavy equipment industry. Students will also gain an understanding of the operation, construction, and theory of torque converters and final drives. This course will also teach students the theory of operation, construction, adjustment, maintenance, and repair of heavy equipment hydraulic systems. Students will also learn how to design hydraulic systems and implement changes to existing hydraulic systems.  
**Corequisites:** DSLT-224L

DSLT-224L Undercarriage/Powershift Transmissions And Hydraulics Lab  
**6 Credits**  
**Lab:** 12 hours per week  
**Offering:** Spring Only, All Years  
This course gives students hands-on experience in a shop setting. It is designed to provide opportunities for application of subjects covered in the DSLT-224 theory class. Instruction will utilize a variety of mock-ups, training aid, components, and limited live customer work.  
**Corequisites:** DSLT-224
Economics (ECON)

ECON-201 Principles of Macroeconomics  
3 Credits  
Lecture: 3 hours per week  
Offering: Fall, Spring, and Summer, All Years  
This course is an introductory study of our national economy. This includes the tools of supply and demand, the measurement of inflation and employment, and discussion of the definition, role, and importance of national income and money and the banking system. The course also analyzes the role of government and the effects of international trade on the U.S. economy. Economic vocabulary and analysis of economic situations are emphasized.

ECON-202 Principles of Microeconomics  
3 Credits  
Lecture: 3 hours per week  
Offering: Fall, Spring, and Summer, All Years  
This course is an introductory study of the economic behavior of individual consumers and suppliers. It examines consumer response to price and income changes and levels of satisfaction, supplier response to costs, and business response to degree of competition. Economic vocabulary and analysis of economic situations are emphasized.  
Recommended Prerequisites: ECON-201
Education (EDUC)

EDUC-201 Introduction to Teaching
3 Credits
Lecture: 2 hours per week, Internship: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides an introduction to the world of teaching by focusing on teachers, learners, curriculum, and the social context in which teaching occurs. Insight and understanding will be facilitated through reflection and analysis of the students' observations and participation in 30 hours of field experience in public schools. This course is required for some education transfer degrees. Its goals are to assist students in making an educated decision about teaching as a career choice, develop communication and interpersonal skills, encourage creativity and critical thinking, and provide opportunities to examine personal values and beliefs about teaching. Recommended: College-level reading, oral and written English language, and computer skills.
Prerequisites: 30 completed credits (100-level or higher)

EDUC-297A Design Thinking At Gizmo
1 Credit
Lecture: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course equips educators with tools and strategies to organize and assess student-driven projects that are aligned to educational standards.
Engineering (ENGR)

ENGR-105 Engineering Graphics
2 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course provides instruction in computer aided engineering drafting with emphasis on visualization of points, lines, planes, and solids in space; freehand sketching; orthographic projection; isometric and oblique drawing; sectioning; dimensioning; descriptive geometry; and 3D modeling. It provides engineering students with beginning skills in computer aided engineering drawing, but is not intended to train AutoCAD technicians.
Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.
Corequisites: ENGR-105L
ENGR-123 Introduction to Engineering
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course allows students to explore careers and opportunities in engineering and technology. Topics covered include becoming an engineer, the history, opportunities and potential fields, and career paths in engineering. This course is conducted using lectures, discussions, research, projects, guest speakers, and at least one field trip. This course will also allow students to experience the design process and engineering problem solving, as well as graphical analysis, data analysis, and oral and written communication skills.
ENGR-210 Statics
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is a study of vector analysis, resolution of forces, free body diagrams, equilibrium, friction, centroids, moments of inertia and statics of rigid bodies, trusses, frames, machines, and cables. The course provides basic engineering skills in mechanics necessary for analysis of structures and dynamics of rigid bodies.
Prerequisites: MATH-170, PHYS-211
ENGR-214 Surveying
4 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall Only, Odd Years
This course presents theory and field applications of elementary surveying. It includes the use of instruments, error and precision, level circuits, running traverses, field calculations, boundary surveys, route surveys, construction surveys, triangulation, state coordinate systems, engineering astronomy, and photogrammetry. This course provides basic surveying skills that may help engineering students gain summer employment, but it is not intended as a preparation for direct entry into surveying occupations.
Prerequisites: MATH-147 or an appropriate score on a placement test.
Corequisites: ENGR-214L

ENGR-220 Dynamics of Rigid Bodies
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is the study of kinematics and kinetics of particles and rigid bodies. Topics include position, velocity, acceleration, relative velocity and acceleration, translation and rotation by Newton's 2nd Law, energy, momentum methods, collisions, and vibrations. It provides basic engineering skills that apply to all machines and other engineering bodies in motion.
Prerequisites: ENGR-210, MATH-175
ENGR-223 Engineering Analysis
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course introduces a combination of numerical analysis skills, problem solving and design techniques, and various computer software as they are utilized in basic engineering applications. Students will utilize oral and written communication skills in presenting their solutions.
Pre/Corequisites: MATH-175
ENGR-240 Circuits I
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course presents a study of Ohm's Law, analysis methods, network theorems, Ideal Operational Amplifiers, and energy storage elements. Students will be able to apply principles of electrical circuits using hands-on lab activities and computers.
Prerequisites: MATH-175
Corequisites: ENGR-240L
ENGR-241 Circuits II
4 Credits
Lecture: Offering: Spring Only, All Years
This course presents a study of power, three phase, transformers, filters, Fourier transforms, and Laplace transforms. Students will be able to apply principles of electrical circuits using hands-on lab activities and computers.
Prerequisites: ENGR-240
Corequisites: ENGR-241L
ENGR-295 Strength of Materials
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is the study of material strength, including elasticity, stress, strain, beam analysis, analysis of structural forms, torsion, deformation, modes of failure, and column analysis. The course provides a basic understanding of how structures and machines should be designed to prevent failure.
Prerequisites: ENGR-210, MATH-175
English (ENGL)

ENGL-101 Writing and Rhetoric I
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course prepares students for the demands of writing for a range of audiences, purposes, and contexts. Students will learn processes and strategies for writing and revising clear, precise, and accurate prose and will demonstrate their abilities in a series of academic essays, mainly expository. Students will also learn to read, analyze, synthesize, and respond to a wide range of written works.
Prerequisites: An appropriate score on a placement test.

ENGL-101P Writing and Rhetoric I
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is equivalent to ENGL-101 with the requirement of a corequisite lab course: ENGL-114C. These two courses prepare students for the demands of writing for a range of audiences, purposes, and contexts. Students will learn processes and strategies for writing and revising clear, precise, and accurate prose and will demonstrate their abilities in a series of academic essays, mainly expository. Students will also learn to read, analyze, synthesize, and respond to a wide range of written works.
Prerequisites: ECTE-100, ESL-101 or an appropriate score on a placement test.
Corequisites: ENGL-114C

ENGL-102 Writing and Rhetoric II
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in the research and writing skills and processes. Students will learn methods for gathering, evaluating, synthesizing, and documenting a range of sources in support of expository and argumentative essays. Emphasis is on critical thinking and writing clear, concise, and effective prose. The course is required for all transfer degree programs.
Prerequisites: ENGL-101, ENGL-101P or an appropriate score on a placement test.

ENGL-102P Writing and Rhetoric II
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is equivalent to ENGL-102 with the requirement of a corequisite lab course: ENGL-114D. This course provides instruction in the research and writing skills and processes. Students will learn methods for gathering, evaluating, synthesizing, and documenting a range of sources in support of expository and argumentative essays. Emphasis is on critical thinking and writing clear, concise, and effective prose.
Prerequisites: ENGL-101, ENGL-101P or ENGL-102 with grade of D+, D, D- or F
Corequisites: ENGL-114D

ENGL-114A Writing Across the Curriculum: APA Research and Documentation
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course provides focused instruction and practice in the writing process. Based on writing across the curriculum principles, sections are offered on specific topics that supplement courses, subject areas, or writing tasks, with some sections emphasizing research and documentation. This course is a hybrid, involving traditional classroom instruction, flexible-learning modules, Internet resources, and individual instruction in the Writing Center. This section involves further practice in research skills. Focusing on the American Psychological Association's style for documenting sources, the course will review the research process, from determining an appropriate research question to typing a final essay. Activities and assignments will occur in class, online, and in the Writing Center.

ENGL-114C Writing Across the Curriculum: Writing And Reading
1 Credit
Lecture: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course provides focused instruction and practice in the writing process. Based on writing across the curriculum principles, sections are offered on specific topics that supplement courses, subject areas, or writing tasks, with some sections emphasizing research and documentation. This course is a hybrid, involving traditional classroom instruction, flexible-learning modules, Internet resources, and individual instruction in the Writing Center. This section involves practice in the writing process, focusing on reading comprehension skills, including summarizing and responding to a variety of texts. Activities and assignments will occur in class, online, and in the Writing Center.
Corequisites: ENGL-101P

ENGL-114D Writing Across the Curriculum: The Writing Process
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course involves practice in the writing process, focusing on developing fluency through a series of prewriting, drafting, revising, and editing activities. Activities and assignments will occur in class, online, and in the Writing Center.
Corequisites: ENGL-102P

ENGL-175 Literature and Ideas
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces terminology and techniques necessary for analysis and explication of literary works from multiple genres. It is intended to provide students with basic experience in literary interpretation.
Prerequisites: ENGL-101 or an appropriate score on a placement test.
ENGL-195 Introduction to English Studies
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course introduces the disciplines that make up English studies: creative writing, English education, linguistics, literature, rhetoric and composition, technical communication, film studies, new media, and critical theory. Topics include the principles, theoretical underpinnings, methods, and practical applications of English studies.

ENGL-202 Technical Writing
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course offers instruction in the writing skills applicable to business and industry. This class emphasizes factual information in the form of writing instructions and describing mechanisms and processes. It includes the fundamentals of composing memos, letters, and reports. Technical Writing is designed for those interested in practical applications of technical writing principles. This class is required for some occupational programs and is a useful general elective for all programs in science and technology.
Prerequisites: 26 credits (100 level or higher)

ENGL-205 Interdisciplinary Writing
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course builds on writing skills gained from ENGL-101 and ENGL-102. In addition, the course enables students to make connections among many disciplines and instructs students to write effective papers in the sciences, social sciences, history, business fields, as well as in the humanities. Emphasis is placed on the student's own writing of essays and explications.
Prerequisites: ENGL-101 and ENGL-102

ENGL-207 Trestle Creek Review
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to small-press publishing. Students solicit and read manuscripts from NIC and the community and collaboratively determine the contents of Trestle Creek Review, an annual literary magazine. Through the publication of the magazine, students become conversant with contemporary literature written by budding and established writers and gain skills in literary design, editing, and criticism. Additionally, students learn about the North American literary industry, and they gain practical tools to advance their own writing and editing careers through involvement with national and international small magazines and presses. Students receive acknowledgment on the masthead of Trestle Creek Review as members of the editorial staff. This course may be taken twice for credit.
Recommended Prerequisites: ENGL-101

ENGL-210 Literary Analysis
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course introduces the basic methods and theories of literary analysis, research, and writing. The course provides the critical vocabulary, skills, and methodologies with which to understand not only what a literary (or visual) text means, but also how it means. The course emphasizes the development of the skills necessary for analytical writing about literature and the importance of composing clear, compelling, and valid arguments in the interpretation of a text.

ENGL-216 Mythology
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course surveys Greek mythology along with themes common to a range of mythologies, particularly those involving the hero quest. This course includes the study of a variety of stories, poems, plays, and films from ancient times to the present. Mythology creates an awareness and appreciation of mythological stories and themes at the foundation of traditions and cultures, expressed through philosophy, literature, and the arts.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-257 Literature of Western Civilization
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course examines significant literary works of Western Civilization from about 800 B.C. through Shakespeare. This course focuses on the values, traditions, themes, and ideas that have shaped Western culture and have influenced other disciplines such as art, psychology, and philosophy. This course helps link the basic concepts of early literature to the contemporary world.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-258 Literature of Western Civilization
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is the study of Western (European and North American) classics from the mid 1600s to the present. This course includes internationally acclaimed writers who are representative of the major literary movements (Enlightenment, Romantic, Realist, and Modernist traditions) and who are significant in shaping Western Civilization. ENGL-258 serves as a foundation to the humanities through an exploration of writers and works that comprise the core of our literary and philosophical tradition.
Prerequisites: ENGL-101 or an appropriate score on a placement test.
ENGL-267  Survey of English Literature
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, Odd Years
This course is a study of historical documents, poetry, fiction, drama, and essays illustrating the development of English literature from the Anglo Saxon period through the Eighteenth Century. This course enhances cultural literacy and awareness of pertinent issues in the humanities.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-268  Survey of English Literature
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is a study of historical documents, poetry, fiction, drama, and essays illustrating the development of English literature from the Romantic period to the present. This course enhances cultural literacy and awareness of pertinent issues in the humanities.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-271  Introduction to Shakespeare
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, Even Years
This course surveys major works of Shakespeare. Students will apply critical approaches to analysis of representative works among Shakespeare's poetry, tragedies, comedies, romances, and histories.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-272  Business Writing
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course offers discussion, practice, and instruction in the practical application of business writing principles. It includes business writing strategies for electronic messages and digital media, memos, letters, reports, and employment documents, and emphasizes audience analysis, content planning, language effectiveness, and message layout. ENGL-272 helps develop writing skills necessary for effective business correspondence and communication.
Prerequisites: ECTE-100, ENGL-101, ENGL-101P or an appropriate score on a placement test.

ENGL-277  Great American Writers I: Contact to Civil War
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course helps students trace the origins of some of American Literature's most well-known genres, including creation myths, captivity narratives, slave narratives, Gothic fiction, Romantic poetry, nature writing, and protest writing. Focusing on the development of American literature from the Colonial Period (1620) to the end of the Civil War (1865), the class illuminates the cultural and historical context of some of America's most revolutionary and lasting forms of literary expression.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-278  Great American Writers II: Civil War to Contemporary
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course helps students track the development of some of American Literature's most innovative genres and important literary movements, including magazine fiction, horror stories, Native American literature, modernist novels, imagist poetry, African American Literature, nature writing, postmodern fiction, and literature of the pandemic. Focusing on the development of American literature from the Civil War (1865) to the Contemporary (right up to 2020, or 'the year that wasn't'), the class illuminates the cultural and historical context of some of America's most revolutionary and surprising forms of literary expression.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-285  American Indian Literature
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Even Years
This course explores traditional American Indian world views and belief systems as reflected in myths and legends, as well as contemporary poetry, short stories, and novels by Native Americans. The difference between American Indian and Eurocentric world views and the implications of these differences will be considered, as illustrated in literature. The course will also explore political, sociological, and psychological effects on American Indians of U.S. governmental policies and actions taken in regard to various tribes. This course is the same as AIST-285.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-291  Creative Writing: Poetry
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course introduces the principles and techniques of poetry writing, examined through exercises and discussions of student and professional writing. This course helps develop a personal, advanced writing style and an appreciation of literary forms. An above average writing ability and some familiarity with literature are necessary.
Recommended Prerequisites: ENGL-101
ENGL-292 Creative Writing: Fiction
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course introduces the principles and techniques of fiction writing, examined through exercises and discussions of student and professional writing. This course helps develop a personal, advanced writing style and an appreciation of literary forms. Above average writing ability and some familiarity with literature are necessary.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-293 Creative Writing: Literary Nonfiction
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, Even Years
This course introduces the principles and techniques of literary nonfiction writing, examined through exercises and discussions of student and professional writing. This course helps develop a personal, advanced writing style and an appreciation of literary forms. Above average writing ability and some familiarity with literature are necessary.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-295 Contemporary US Multicultural Literature
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Odd Years
This course provides a study of fiction, nonfiction, poetry, and film across a diverse range of cultures in the United States. Selections each semester will include works from the 1960s to the present, including the perspective of women and men who may represent diverse races, ethnicities, social classes, religions, sexual orientations, ages and abilities. Since the Civil Rights movement, writers once marginalized are now published in the mainstream, expressing diverse themes in challenging, experimental styles.
Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-296 Major Figures
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course offers a comprehensive study of the works of a major figure and that figure's contributions to literature and culture. Repeatable only with a change of topic. Major figures will vary from year to year.
Prerequisites: ENGL-101 or an appropriate score on a placement test.
English Career and Technical (ECTE)

ECTE-100 Fundamentals for Writing

3 Credits

Lecture: 3 hours per week

Offering: Fall, Spring, and Summer, All Years

This course provides writing instruction that focuses on fluency, development, organization, revision, and editing/proofreading. As a part of this course, students will practice reading actively and critically, engaging in dialogues with texts, drafting essays in a format appropriate to purpose and audience, and utilizing a process approach to writing.

Prerequisites: An appropriate score on a placement test.
Entrepreneurship (ENTP)

ENTP-105 Entrepreneurship Skills
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides an overview of the role of entrepreneurial businesses in the United States and the impact of those businesses on the national and global economy. Students evaluate the skills and commitment necessary to successfully operate an entrepreneurial venture. Additionally, students review the challenges and rewards of entrepreneurship as a career choice, as well as the entrance strategies needed to accomplish such a choice. As a key component of this course, students will generate a prospective business idea that can be honed in future entrepreneurship courses. Integrated course content to include: marketing, management, operations, finance, and computer skills and literacy.

ENTP-125 Small Business Financial Management
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course includes a focused approach on the financial and accounting aspects of operating and growing a business. Students will learn about options for capital and how to manage credit. This course also examines the relationship of managerial accounting to control cash flow and the decision making functions of management. It includes a study of how costs are classified and analyzed for cost-volume-profit analysis (i.e. breakeven and target profit analysis). Students will also learn basic dual-entry accrual accounting theories, financial statement structure and cash flow projection. In addition, students will learn the basic tenets of establishing and evaluating budgets and the implementation of a strong internal control system.
Pre/Corequisites: ENTP-105

ENTP-135 Business Development and Planning
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is designed to enable students to manage and operate a small business. In this course, students will further develop and refine their business and marketing plans developed in ENTP-105 and/or ENTP-125 or the plans business owners are currently using while operating their businesses. Other areas covered in this course include securing financing, developing advertising and promotional materials, choosing a site location, and managing the business. This course is beneficial for those planning to start a business as well as those already operating a business.
Pre/Corequisites: ENTP-105
Recommended Pre/Corequisites: ENTP-125
Environmental Science (ENSI)

ENSI-119 Introduction to Environmental Science

- **Lecture:** 3 hours per week, **Lab:** 2 hours per week
- **Offering:** Fall and Spring Only, All Years

This course provides an excellent overview of many scientific disciplines including chemistry, biology and geology. Basic scientific principles are used to understand and address challenges faced in the environment including biodiversity loss, species extinction, the growth of human population, man's use of energy and water resources, toxicology, ocean acidification, global climate change and pollution of the environment.

**Prerequisites:** MATH-025, MATH-090 or an appropriate score on a placement test.

**Corequisites:** ENSI-119L

ENSI-225 International Environmental Issues

- **Lecture:** 3 hours per week
- **Offering:** Spring Only, All Years

This course will examine complex relationships between physical and social factors that contribute to unique regional variations and global significance of international environmental problems. The physical basis of major environmental issues including biodiversity, water resources and climate change will be discussed. In addition to physical and chemical factors, relationships of culture, demographics, geography, economics, history and politics will be explored as these factors may complicate a region's environmental problems. Students will be required to use spatial and analytical data to communicate multifaceted international environmental problems and defend the economic feasibility, social/political acceptability and scientific basis of potential solutions. This global perspective will allow students to analyze and defend adaptation and mitigation strategies for these topics.

**Recommended Pre/Corequisites:** ENSI-119
Fire Service Technology (FST)

**FST-100 Fire Service Technology**

*1-33 Credits*

**Lecture:**
This course will transcript the non-credit Idaho State Fire Fighters certification courses to 33 credits so they can be utilized as the technical skills courses for the Fire Service Technology A.A.S. degree. These courses are delivered through fire departments statewide. Fire Service-related courses such as the following are included in this transcription: Fire Fighter II, Technical Rescue, Hazmat, Rescue, Extrication, Fire Investigation, Paramedic, Wildland, Emergency Medical Technician, Building Construction, Incident Command System, Driver Operation, Fire Officer, and Instructor. For every 15 hours of theory/lecture training 1 credit will be awarded, and for every 30 hours of skills-based/lab training 1 credit will be awarded.

**FST-101 Fire Fighter 1**

*12 Credits*

**Lecture:** 8 hours per week, **Lab:** 8 hours per week

**Offering:** Spring Only, All Years

This course is designed to prepare students for the written and practical skills examinations for Idaho Fire Fighter 1 certification accredited by the International Fire Service Accreditation Congress (IFSAC). Instruction includes basic firefighting skills, hazardous materials and infection control for emergency responders. The academy offers students the opportunity to learn from and network with instructors from Coeur d’Alene Fire Department, Kootenai County Fire and Rescue, and Northern Lakes Fire District.
Foreign Language (FLAN)

FLAN-207 Contemporary World Cultures
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course examines a single national culture in terms of its historical background and expression in contemporary life, language, institutions, literature, art, music, and lifestyles. This course provides a basis for comparative cultural studies for students interested in multicultural or international scholarship. The national culture selected for study may change each semester, allowing students to repeat the course for elective credit.

FLAN-263 Many Spains: Historical Origins of Hispanic Civilization
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an in-depth study of the historical origins of Hispanic Civilization through the study of the history of the Iberian peoples. The class will consist of reading, discussion, lectures and media focusing on the social, cultural and historical forces that shaped the experience of the peoples that inhabit the Iberian peninsula. This course is the same as HIST-263.
Prerequisites: ENGL-101

FLAN-271 Civilization of Ancient Greece and Rome
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an in-depth study of the social, political, and cultural developments of the Mediterranean world during Greek and Roman times. The class will consist of reading, discussion, lectures and media focusing on the issues and forces contributing to the history and civilization of ancient Greece and Rome. This course is the same as HIST-271.
Prerequisites: ENGL-101
French (FREN)

FREN-101  Elementary French I
5 Credits
Lecture: 5 hours per week
Offering: Fall Only, All Years
This course includes the introductory study of vocabulary, grammar, and pronunciation. It emphasizes the development of proficiencies in speaking, reading, listening, and writing. Students will enhance their understanding of the language, culture, and geography of the Francophone world.

FREN-102  Elementary French II
5 Credits
Lecture: 5 hours per week
Offering: Spring Only, All Years
This course is a continuation of FREN-101, emphasizing further development of basic language fluency. A laboratory is included in the course.
Prerequisites: FREN-101

FREN-201 Intermediate French I
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course provides training in the acquisition and application of basic language skills and culture.
Prerequisites: FREN-102

FREN-202 Intermediate French II
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course provides additional training in the acquisition and application of basic language skills and culture.
Prerequisites: FREN-201
Geographic Information Science & Technology (GIST)

GIST-271 Introduction to Geographic Information Science and Technology Using GIS (Geographic Information Systems)

4 Credits

Lecture: 3 hours per week, Lab: 2 hours per week

Offering: Fall Only, All Years

This course will present fundamentals of Geographic Information Systems (GIS), including basic applications, procedures, and survey approaches to problem solving through the use of GIS. Emphasis is on data acquisition and techniques for computer-aided analysis utilizing Geographic Information Science across a variety of disciplines. Computer literacy in use of Excel spreadsheets and a basic understanding of Windows and file directory structures is recommended.

Corequisites: GIST-271L
Geography (GEOG)

GEOG-100  
Physical Geography  
4 Credits  
Lecture: 3 hours per week, Lab: 2 hours per week  
Offering: Fall, Spring, and Summer, All Years  
This course is an introduction to the Earth's physical systems and the interaction among the atmosphere, hydrosphere, biosphere, and lithosphere. It emphasizes the atmospheric sciences (weather and climate), landforms, water resources, and soils.  
Corequisites: GEOG-100L
Geology (GEOL)

GEOL-101 Physical Geology
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is the study of the origin and development of the earth. It includes the detailed study of the development of the Earth's crust, its minerals, rocks, volcanoes, glaciers, mountains, and continents. This course provides an understanding of the natural and physical processes of the planet Earth and an appreciation for the impact geology has on everyday life.
Corequisites: GEOL-101L

GEOL-102 Historical Geology
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to the principles and interpretation of geologic history. It emphasizes the evolution of the Earth's lithosphere (crust), atmosphere, and biosphere through geologic time. This course includes consideration of the historical aspects of plate tectonics, the geologic development of North America, and important events in biological evolution and the resulting assembly of fossils. GEOL-102 provides an appreciation for the vast extent of geologic time, the natural processes affecting change on the Earth, and the identification of common fossil types.
Corequisites: GEOL-102L

GEOL-123 Geology of Idaho and the Pacific Northwest
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course is the study of the geologic history of Idaho and the Pacific Northwest. It provides a comprehensive overview of the major geologic provinces of the region and their genesis through geologic time. Lithologic and structural controls on topographic features are emphasized, as are current scientific and social issues directly related to the geology of various localities. Field trips to extraordinary locales illustrate landscape development in response to geologic change.
Corequisites: GEOL-123L
Recommended Pre/Corequisites: GEOL-101

GEOL-255 Systematic Mineralogy
4 Credits
Lecture: 3 hours per week, Lab: 3 hours per week
Offering: Spring Only, Even Years
This is a study of the classification and determination of minerals by physical, chemical, and crystallographic and optical properties. It emphasizes occurrences, identification, and uses of the silicate minerals and the non-silicate ore and rock-forming minerals. The weekly three-hour laboratory includes hands-on testing and identification of mineral samples including utilizing their optical properties in oil mounts and thin section, and field trips to significant mineral locations. Students learn to recognize and identify important ore and industrial minerals, while gaining an appreciation for the application of mineral resources to everyday life.
Prerequisites: GEOL-101 and GEOL-101L
Corequisites: GEOL-255L
German (GERM)

GERM-101 Elementary German I
5 Credits
Lecture: 5 hours per week
Offering: Fall Only, All Years
This course concentrates on the study and application of vocabulary and pronunciation at an introductory level. Students will develop proficiencies in speaking, reading, listening, and writing while enhancing their understanding of the language, culture, and geography of German-speaking countries.

GERM-102 Elementary German II
5 Credits
Lecture: 5 hours per week
Offering: Spring Only, All Years
This course includes the study of vocabulary, grammar, and pronunciation. It emphasizes the development of proficiencies in speaking, reading, listening, and writing. Students will enhance their understanding of the language, culture, and geography of Germany.
Prerequisites: GERM-101

GERM-201 Intermediate German I
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course provides additional development in the language with an emphasis on conversation, reading, grammar, and composition. Varied aspects of the current cultural climate of Germany are woven into the course, so students increase proficiency of their language skills.
Prerequisites: GERM-102

GERM-202 Intermediate German II
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course is a continuation of GERM-201.
Prerequisites: GERM-201
Graphic Design (GDES)

GDES-102 Survey of Graphic Design
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course introduces students to the characteristic manner of expressions, basic designs, various constructions, and execution of graphic design, and its visual aesthetics at particular times and places throughout history. The course covers how the look of graphic design has evolved and what caused this evolution, starting with commercial art at the beginning of the industrial revolution in the 19th century and ending with the current digital era.

GDES-120 Typography
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course introduces the techniques used in typography, which is the visual communication of information through type. A historical perspective will trace the development of typography from its beginning to its current use in graphic design. Students will learn about the transition from traditional techniques and concepts to the creation of electronic documents utilizing quality typographic work. Attention to detail will be stressed so that students have an opportunity to acquire and demonstrate the use of the typographic skills necessary in today’s graphic design work.

Prerequisites: GDES-131

GDES-130 Introduction to Apple Operating System (Mac OS)
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is an introduction to Apple’s current operating system for graphic and web designers. The course will cover the necessary hardware, the basics of the operating system, the necessary peripheral devices, the use of wireless networking, and Mac troubleshooting in a graphic design environment. Students will be exposed to basic software installation and troubleshooting basic problems. This course also provides knowledge and skills that will be used in other NIC Graphic and Web Design courses.

Pre/Corequisites: GDES-131

GDES-131 Adobe Illustrator - Vector Graphics
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course offers in-depth knowledge of the Adobe Illustrator for Graphic and Web Design software program. Students will explore the fundamental concepts associated with Adobe Illustrator and learn the basics of computer-aided illustration.

GDES-132 Adobe Photoshop - Raster Graphics
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course offers in-depth knowledge of the Adobe Photoshop - Raster Graphics software program. This course introduces students to basic hardware and software, standard input and output devices, and basic troubleshooting in a graphic design environment. In addition, students will gain experience in image creation and manipulation. This course will cover the fundamental concepts needed to scan, correct, manipulate, and enhance bitmap (Raster) images.

Prerequisites: GDES-131

GDES-133 Adobe Indesign - Layout and Composition
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course offers in-depth knowledge of the Adobe InDesign software program. It introduces students to basic hardware and software, standard input and output devices, and basic troubleshooting in a graphic design environment. Students will also gain experience in typesetting and preparing single-page and multi-page layouts for publication.

Prerequisites: GDES-132

GDES-141 Web Design I
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course introduces the student to HTML, CSS and other essential web coding concepts in addition to the creation of pleasing graphical interface/web pages using industry graphic design software. Emphasis is placed on hands-on skills. Students will use standards-compliant HTML to create basic web pages, be able to use styles to format those web pages, and will demonstrate an understanding of advanced CSS selectors and properties. Students will demonstrate the ability to effectively design and layout web pages using CSS.

GDES-221 Graphic Design I
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course offers instruction in the principles of design. Students research case studies, use problem solving skills and techniques, and gain an understanding of basic layout composition and color theories in print, web, and video. Students develop concepts with rough layouts and comprehensive layouts on assigned projects including creation of their own business package. Field trips and student presentations support theories and concepts learned in the classroom.

Prerequisites: GDES-131

Recommended Corequisites: GDES-132
GDES-222 Graphic Design II
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course is a continuation of GDES 221. It is designed to give the student more hands-on experiences in developing skills with tools, materials, and professional methods for creating professional visuals. The student will learn to incorporate research, illustrations, and other graphics necessary to complete packaging, advertising proposals, and then present results individually and as a group. Continued emphasis is placed on computer applications and on assigned projects. This course is helpful in building visual literacy, expanding conceptual and technical skills, and improving creative problem solving.
Prerequisites: GDES-221

GDES-223 Graphic Design III
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course is a continuation of GDES 222 and provides hands-on exposure to a variety of complex visual design problems. Real life interaction with customers provides opportunities to best prepare students for future design careers. GDES 223 develops the creative use of computer technologies and requires clients' proposal submissions, presentations and respect to stringent deadlines.
Prerequisites: GDES-222

GDES-225 Introduction to Digital Video
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course introduces students to the basic technical skills necessary for using digital video cameras, lighting equipment, and audio/video editing software used in conjunction with Apple hardware and software. The course covers the step-by-step processes necessary to create effective video projects including story boarding techniques and sequences related to a video production workflow. Individual and team video projects produced in a DVD and online format will be required.
Prerequisites: GDES-132, GDES-221

GDES-226 Computer Animation
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course provides students with computer animation techniques using leading vector and Raster software commonly used in the graphic design and media industries. The end product is integrated into various existing and new media including web browsers, self-running applications such as DVDs, online, and interactive kiosks. It covers step-by-step process animation projects combining graphic design and professional video animation software.
Prerequisites: GDES-131, GDES-132

GDES-227 Digital Video and Computer Animation
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course introduces students to necessary creative and technical skills for using digital video cameras, lighting, and audio equipment while utilizing graphics and video editing hardware and software to industry standards. Students will be able to produce effective messages/storytelling in multiple digital formats by editing and compositing 2D and 3D motion-graphics, video, and animation techniques for broadcast-ready playback to interactive formats within web browsers to new media applications.
Prerequisites: GDES-120, GDES-221
Corequisites: GDES-222

GDES-235 Adobe InDesign Layout, Composition, and Pre-Press
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course introduces students to an in-depth knowledge of the Adobe InDesign software program and a systematic introduction to the complex print production process. The study of graphic design job coordination and preflight techniques, including functions related to matching customer needs to the requirements of prepress and press operations, are covered. Topics include management of print production workflow from concept through execution and job costs calculation for traditional and digital output production.
Prerequisites: GDES-221

GDES-245 User Experience Design and Usability
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course takes an in-depth look at the use of prototyping and usability testing and their impact on user experience on various design projects throughout the semester. Topics include: website planning and strategy, sketching, prototyping, wireframes, interaction design, web usability testing methods, reporting and presentation skills.

GDES-247 Social Media Design Strategies
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course is specifically tailored to meet the needs of the web design professional. The class instructs the student on how to build a presence and leverage it across multiple iterations of modern social networking portals; creating a foundation for the current and future application of these portals in the business and creative environments.
Recommended Corequisites: GDES-222, GDES-225, GDES-245
GDES-252 Web Design III
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course builds upon foundational knowledge of semantic and standards-based HTML and CSS by introducing students to contemporary design patterns for desktop, tablet, and mobile user interface design. Students will learn how to write, integrate and validate client-side scripts into website projects, utilize advanced semantic coding techniques, perform markup validation, apply website deployment methods, and implement and interpret website analytics. Upon completion, students should be able to employ advanced design techniques to create high-impact and highly-functional hand-coded websites.
Prerequisites: GDES-141, GDES-255
Corequisites: GDES-245

GDES-255 Web Design II
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course is a continuation of the Web Design I course and further utilizes HTML and CSS for designing and formatting online content for the web. This course will focus on contemporary web standards for interface development by reinforcing the separation of content from the presentation layer and focusing on end-user behavior. Students will use optimized graphic formats, typography, layout principles, and cascading styles to develop conceptual designs into fully working functional, live, interactive websites.
Prerequisites: GDES-141
Pre/Corequisites: GDES-221

GDES-258 DOM Scripting for Designers
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course introduces students to basic programming concepts through the use of ECMAScript (JavaScript) and the Document Object Model. Students will learn the history of ECMAScript and its role in contemporary websites and web applications. Basic and intermediate scripts will be created to solve common interface problems. Students will learn to evaluate existing libraries and scripts so that they can make informed decisions about their applicability for a given task. Students will learn best practice and unobtrusive DOM scripting techniques.
Prerequisites: GDES-222, GDES-245

GDES-261 Applied Web Development
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course is a project-oriented course that will have students apply knowledge from previous web design classes. Applied Web Development students will learn how to build dynamic, database-driven websites using PHP and MySQL. They will use PHP to transform static HTML web designs into functional dynamic web sites. Students will become proficient at server-side programming, form processing & validation, database queries and content management.
Prerequisites: GDES-252

GDES-271 Design Projects
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course includes the development of real-life design projects. Students will complete publishable projects while performing client-graphic designer interaction; designing pre-production, production, and marketing costs; and delivering projects to the customer in a variety of media for different markets. Students must be responsive to client-driven deadlines.
Prerequisites: GDES-131, GDES-132, GDES-221
Corequisites: GDES-235

GDES-283 Portfolio Development
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course provides an overview of the graphic design profession, provides techniques to engage students in the first assembly of their graphic design professional resume and portfolio, and knowledge of essential job interview skills. The result of combining a first portfolio, while acquiring practical and relevant information about the industry, prepares students for internship opportunities. The course is designed to further prepare students toward clients’ expectations, to stress deadlines, and to reinforce necessary technical learning. Assigned projects mirror real life assignments, including professional ethics, communication, and production costs.
Prerequisites: GDES-222

GDES-290 Graphic Design Internship
3 Credits
Internship: 9 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides students with practical, on-the-job experience in preparation for a successful career in the graphic design field. The internship is paired with in-class learning and weekly meetings with the sponsoring instructor and designated business or agency. An internship is an excellent job market pathway. An exit portfolio review is scheduled at the completion of the course. GDES-290 can be repeated in order to earn a maximum of six credits in this course.
Healthcare Informatics (HCIT)

**HCIT-101 Health Information I**

*4 Credits*

**Lecture:** 4 hours per week  
**Offering:** Fall Only, All Years

This course is designed to introduce students to the roles and responsibilities found in the environment of health information management. Study will include methods of collecting and processing data in a variety of healthcare settings with a focus on accreditation and licensure guidelines; examine reimbursement and the correlation to coding systems; statistical analysis of patient information, examine storage, security, confidentiality, and compliance-related requirements; assess implementation of the electronic health record; and the role human resources and employees relating to employment practices, productivity, and evaluation.

**HCIT-180 Medical Law and Ethics**

*3 Credits*

**Lecture:** 3 hours per week  
**Offering:** Fall Only, All Years

This course emphasizes the basic foundation of the legal system as it applies to health care practitioners in the United States, including legal and ethical principles affecting medical office, health care, and health information management professionals. This course focuses on privacy and security regulations, scope of practice, malpractice and negligence, fraud and abuse, credentialing, risk management, release of information, breach reporting, informed consent, federal and state law related to health care, and patient rights and responsibilities.
HVAC-161 HVACR Principles
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is designed to explore the common aspects of HVACR technology. Discussion will focus on such topics as psychrometrics, air distribution and balance, as well as system installation and controls. This is a required class in the HVACR program. Current industry professionals who want to update skills are invited to take this class as a stand alone course.

HVAC-161L HVACR Lab I
5 Credits
Lab: 10 hours per week
Offering: Fall Only, All Years
This course provides an opportunity to apply and practice the theories taught in HVACR Principles, HVACR Electrical, and HVACR Heating Systems. Safety principles and procedures used in the field are also emphasized in this lab class. Students enrolled in the HVACR program are required to take this class concurrently with theory classes. Of the required 5 credits, a maximum of 2 credits can be substituted in an approved internship/co-op with instructor permission.

HVAC-165 HVACR Electrical
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course will discuss basic electrical safety and electrical theory such as Ohms Law, circuit schematics and circuit characteristics/symbols as it applies to DC and AC circuits in the HVACR industry. Basic control circuits, sequence of operation for basic HVACR applications and electric motor theory, as well as specific information on HVACR electrical component devices will also be covered. Both electrical testing and troubleshooting methods are taught and practiced. HVACR professionals are invited to take this course as a refresher to update skills. Students enrolled in the HVACR program are required to take this course as part of their program.

HVAC-167 HVACR Heating
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course will focus on basic heat transfer theory and concepts. Specific areas of study include the different mediums used for heat transfer, electric heat systems, and fossil fuel systems (natural gas, propane and fuel oil). Residential and light commercial system applications will be made throughout the program. Industry professionals who want to update skills are encouraged to take this class as a stand alone course. Students enrolled in the HVACR program are required to take this class as part of their program.

HVAC-171L HVACR Lab II
5 Credits
Lab: 10 hours per week
Offering: Spring Only, All Years
This course provides students an opportunity to apply and practice the theories taught in HVAC Systems, HVACR Heating, HVACR Codes and Licenses, and HVACR Principles. Safety principles and procedures used in the field will be a major focus. Students enrolled in the HVACR program are required to take this class concurrently with theory classes. Of the required 5 credits, up to 2 credits can be substituted in an approved internship/co-op with instructor permission.

HVAC-175 HVACR Systems
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course will focus on HVACR systems that utilize the refrigeration cycle. Refrigeration, as it applies to air conditioning, typical operation conditions, heat pumps, room air conditioners, furnaces, and AC combined will be covered. Students will have the opportunity to explore troubleshooting methods for HVACR systems. Students enrolled in the HVACR program are required to take this course as part of their program. Industry professionals who want to update skills are encouraged to take this as a stand alone course.

HVAC-177 Refrigeration
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course will introduce students to the refrigeration cycle. In addition, it will concentrate on the major components and flow control devices that are used in a refrigeration system. Major topics covered will include refrigeration and refrigerants, system evacuation, refrigerant management, system charging, evaporators, condensers, compressors, and flow controls. Focus will also be placed on applications and system troubleshooting practices. Students enrolled in the HVACR program are required to take this class as part of their program. Industry professionals who want to update skills are encouraged to take this class as a stand alone course.

HVAC-180 HVACR Codes and Licenses
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides information needed to successfully pass the Gas Fitter License exam and the EPA refrigerant license - Type II level. Students will have the opportunity to take both of these exams during the semester. Students enrolled in the HVACR program are required to take this class as part of their program. Current industry professionals that want to update skills are invited to take this class as a stand alone course.
History (HIST)

HIST-101  World History I
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course explores important chapters of the human past from the earliest civilizations through the 15th century. The course considers how people, environment, social movements, religion, political ideologies, and philosophical ideas have shaped human society. This course is recommended for students seeking a broad background of general knowledge, whether as the foundation of a liberal arts education, out of curiosity, or to be well informed. It develops critical thinking skills essential in every career.
Recommended Prerequisites: College level reading and writing skills.

HIST-102  World History II
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course explores important chapters of the human past from the Voyages of Discovery in the 15th century to the 20th century. The course considers how people, environment, social movements, religion, political ideologies, and philosophical ideas have shaped human society. This course is recommended for students seeking a broad background of general knowledge, whether as the foundation of a liberal arts education, out of curiosity, or to be well informed. It develops critical thinking skills essential in every career.
Recommended Prerequisites: College level reading and writing skills.

HIST-103  History of Civilization 20th Century
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores the history of the world in the 20th century, beginning with the Berlin Conference in 1885 and continuing to the present. Emphasis will be placed on the causes and effects of the two World Wars, the dynamics of the Cold War, the rise of terrorism, and the role of the nation-state. Students are expected to read and write at college level and are required to participate in discussions.
Recommended Prerequisites: College level reading and writing skills.

HIST-111  United States History I
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course offers a broad chronological overview of U.S. history with emphasis on the political, economic, social, and cultural currents from the Pre-Columbian period through post-Civil War Reconstruction (c. 1876). Attention is given to themes which illuminate current events.
Recommended Prerequisites: College level reading and writing

HIST-112  United States History II
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course offers a broad chronological overview of U.S. History with emphasis on political, economic, social, and cultural currents from the Gilded Age (c. 1876) through the present. Attention is given to themes which illuminate current events.

HIST-115  History of the Americas I: First Peoples and Colonial Period
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides a comparative topical study of Indian cultures, European colonization, race relations, society, culture, economy, religion, and government in the Western Hemisphere from the first peoples to the wars of independence.

HIST-116  History of the Americas II: Since Independence
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides a comparative topical study of the U.S., Canadian and Latin American nations from independence to the present within the broader context of the Western World. Emphasis will be placed on political, social and economic developments, minority experience and inter-American relations.

HIST-131  History of Latin America
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a survey of the historical development of Latin America from pre-Columbian times to the present day. The course examines the origins and legacies of economic, religious, and political institutions and the cultural and social contributions of Native Americans, Africans, and Europeans. Students are expected to read and write at college level and will be required to participate in discussions.

HIST-141  History of Africa
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an introductory survey of Africa history from ancient times to the present. The course covers traditional political systems and culture, the impact of Christianity and Islam, the economic and political intrusion of Europe, and the development of economic and political crises in contemporary Africa.
HIST-240 American Indian History
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a historical overview of post-contact Indian and non-Indian relations and their effect on Indian culture, including reactions, adaptations, and conflicts in social, political, and economic systems. Some emphasis will be placed on prominent Indian personages and geographical groups, their migrations and intertribal and U.S government relationships, including federal Indian policy. Students will gain a deeper sense of "nations" and an understanding of the importance of tribal heritage and identify from a historical perspective. This course is the same as AIST-240.
Prerequisites: ENGL-101

HIST-241 History of the Lands of the Bible
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides an in-depth study of the social, political, and cultural developments of the lands of the Bible; ancient Mesopotamia, Syria, Palestine, and Egypt. The class will consist of reading, discussion, lectures and media focusing on the issues and forces contributing to the history of the lands of the Bible.
Prerequisites: ENGL-101
Recommended Prerequisites: HIST-101

HIST-243 History of Christianity I: Early and Medieval
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides an in-depth study of the history of early and Medieval Christianity to c. 1500. The class will consist of reading, discussion, lectures and media focusing on the issues and forces contributing to the history of Christianity from the first century to the fifteenth century.
Prerequisites: ENGL-101
Recommended Prerequisites: HIST-101

HIST-263 Many Spains: Historical Origins of Hispanic Civilization
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an in-depth study of the historical origins of Hispanic Civilization through the study of the history of the Iberian peoples. The class will consist of reading, discussion, lectures and media focusing on the social, cultural and historical forces that shaped the experience of the peoples that inhabit the Iberian peninsula. This course is the same as FLAN-263.
Prerequisites: ENGL-101

HIST-271 Civilization of Ancient Greece and Rome
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an in-depth study of the social, political, and cultural developments of the Mediterranean world during Greek and Roman times. The class will consist of reading, discussion, lectures and media focusing on the issues and forces contributing to the history and civilization of ancient Greece and Rome. This course is the same as FLAN-271.
Prerequisites: ENGL-101

HIST-273 Europe in the Middle Ages
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an in-depth study of the history of Europe between the 4th century and the 15th century. The class will consist of reading, discussion, lectures and media focusing on the issues and forces contributing to the history of Europe in the Middle Ages.
Prerequisites: ENGL-101

HIST-290 The Historian's Craft
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides an introduction to the discipline of history, to basic skills for research methodology, and to major schools of historical writing.
Prerequisites: ENGL-101
Pre/Corequisites: ENGL-102
Hospitality (HOSP)

HOSP-100 Introduction to Hospitality and Tourism
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides a general overview of hospitality management. It covers the growth and development, organization and structure, and all of the functional areas of the hospitality industry, including travel and tourism, lodging, food services, and recreation. Included are an explanation of both the management and operational functions of hospitality operations, a discussion of the personal and professional demands of hospitality management, examination of managing human resources, and an exploration of the future of the industry. This course is the same as RRM-100.

HOSP-102 Guest Focused Service
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course will show students how hospitality professionals create and deliver guest-driven service, enhance value, build guest loyalty, promote repeat business, and continuously improve the process of providing excellent service. Students will learn how every aspect of food service and lodging operations contribute to the guest experience.

HOSP-110 Front Office Procedures
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course details the flow of business through a hotel beginning with the reservation process and ending with checkout settlement. Included are examinations of how front desk activities and functions influence other departments and impacts management. The course also addresses ethics and general strategies when dealing with the public.

HOSP-111 Food Safety and Sanitation
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides a clear understanding of daily procedures required to ensure that food is handled safely, avoiding contaminants that cause serious food-borne illnesses. Students will prepare for the ServSafe Managers Examination, earning a certification with a score of 75% or higher. This course is the same as CULA-111.

HOSP-117 Careers in Hospitality
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course highlights the many career opportunities in the hospitality industry. Students learn the techniques necessary to gain employment such as resume writing, interviewing skills, appropriate interview attire, and networking.

HOSP-140 Leadership Principles
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an introduction to the principles of leadership and its relationship to management. Emphasis will be on leadership techniques, group dynamics, facilitation styles, problem-solving, decision making, and communication techniques needed to inspire and influence. Students will apply leadership styles through experiential and group practice. This course is the same as RRM-140.

HOSP-150 Food Service Sanitation and Safety
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course provides practical skills and knowledge for safe food service in outlets ranging from cafeterias and coffee shops to room service, banquet areas, and high-check average dining rooms. On completion of this course, students will be certified in ServSafe.

HOSP-215 Bar Beverage Management
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course explores how to balance marketing and control objectives, plan the business, select and train employees, and establish and maintain control systems. As well as an in-depth look at a range of beverage products including beers, wine varieties, spirits, specialty coffees, and teas. Proper beverage presentation, food pairing, and extensive coverage of responsible alcohol service will be taught.

Recommended Prerequisites: HOSP-100

HOSP-225 Event Planning and Management
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course identifies the elements of event planning and management. Students will learn about different types of events, venues, step-by-step planning, and the management skills required to communicate with various stakeholders in the process. This course is the same as RRM-225.

HOSP-230 Financial Management
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course will focus on profit/cost margins, daily balance sheets, banking procedures, charting and forecasting products and services, personnel development and management, documentation systems, target marketing, and regulations governing the food and beverage industry. Students will learn to use management tools in analyzing operational effectiveness of hotel and restaurant organizations.

Prerequisites: HOSP-100, MATH-025, MATH-090 or an appropriate score on a placement test.
HOSP-235 Food Appreciation

4 Credits

Lecture: 3 hours per week, Lab: 2 hours per week

Offering: Spring Only, All Years

This course provides a food appreciation laboratory experience where students will examine the different preparation and service methods of commercial food operation. Traditional restaurant menus will be prepared and evaluated for quality standards.

Recommended Prerequisites: CULA-150 or HOSP-150

HOSP-250 Risk Management

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course helps students appreciate and understand both the needs and techniques for identifying and managing risks to employees, guests, and property in the resort industry. This course focuses on identification and control of risk, incident investigation, and increasing employee and public awareness of potential risk. Enrollment in this course is restricted to career and technical students who are declared majors in a program for which it is required (see program requirements in current catalog). This course is the same as RRM-250.

HOSP-290 Hospitality Field Experience

3 Credits

Internship: 9 hours per week

Offering: Fall, Spring, and Summer, All Years

This course has students work under the supervision of a member of the management staff at a hospitality venue applying skills learned in the classroom. The student must demonstrate a minimum of entry-level competence as determined by the field experience supervisor and must document 135 hours at the job site.

Recommended Prerequisites: HOSP-117
Human Resource Assistant (HRA)

HRA-210 Recruiting, Selection, and Retention

3 Credits

Lecture: 3 hours per week
Offering: Fall Only, All Years

This course is designed to give the student a basic understanding of the employment process. Emphasis is placed on legal compliance, planning, recruitment, selection, and retention. By the end of the course the student should understand the fundamentals and legal aspects of various methods and techniques in recruiting, selection, and employment.
Humanities (HUMS)

HUMS-101 Montage: Introduction to the Humanities
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores how the humanities, through many varied types of creative works, comment on human experiences and raise questions of value and meaning. Students will learn an approach to understanding a wide variety of works in visual art, music, literature, and philosophy, based on questions applicable to all genres. The course is highly interactive, with frequent class discussion and informal written responses to works being explored. This course provides a good foundation for further humanities study in courses focusing on one particular field, such as literature, philosophy, or the arts. It is an ideal course for students who intend to focus on areas other than the humanities but wish to broaden their education.

HUMS-126 Film and Culture
3 Credits
Lecture: 1 hour per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course presents films as artifacts of culture and history, examines North American and foreign films, and evaluates selected critical readings to promote meaningful comparative analysis. It focuses on becoming more critically aware of the rich and diverse forms of cinematic expression, developing an appreciation for our responses to visual imagery, and using basic concepts of film theory and cultural analysis to enrich our viewing experience. The concepts and methods introduced have applications to careers in broadcasting, graphic design, public relations, journalism, and corporate communications. This course is the same as CINA-126.
Corequisites: HUMS-126L

HUMS-200 Interdisciplinary Seminar
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course integrates a range of disciplines, including social sciences, the arts, history, literature, philosophy, and natural sciences, to explore issues related to community, sustainability and/or humanity's role in maintaining public and environmental health in the 21st century. Utilizing experiential learning, writing across the curriculum, reading, research, and special projects, students use problem-solving skills to explore these issues. This course is the same as INTR-200.
Pre/Corequisites: ENGL-101

HUMS-205 Visual Texts and Culture
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an interdisciplinary introduction to the study of visual culture. Borrowing from literary, cultural, and critical theory, this course investigates visual texts (images) and how they construct, subvert, reinforce or otherwise participate in the exchange of cultural meaning. The students will develop specific visual, written, and verbal skills for observing, analyzing, and describing visual artifacts in mediums including film, fashion, art, television, photography, the Internet, and other visual sources.
Prerequisites: ENGL-101
Recommended Prerequisites: HUMS-101

HUMS-295 Themes in Humanities
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is an integrated humanities course designed to examine historical, philosophical, and aesthetic themes in the humanities. The emphasis is on ways that artist, musicians, film makers, and writers have responded to such themes. Each semester the theme will focus on one significant contemporary issue, such as trends in the arts, architecture, the environment, technology, human rights, and regional conflicts.
Prerequisites: ENGL-101
Recommended Prerequisites: HUMS-101
Interdisciplinary Studies (INTR)

INTR-200 Interdisciplinary Seminar
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course integrates a range of disciplines, including social sciences, the arts, history, literature, philosophy, and natural sciences, to explore issues related to community, sustainability and/or humanity's role in maintaining public and environmental health in the 21st century. Utilizing experiential learning, writing across the curriculum, reading, research, and special projects, students use problem-solving skills to explore these issues. This course is the same as HUMS-200.

Pre/Corequisites: ENGL-101

INTR-250A Death and Dying: A Sociocultural, Historical, and Biological Perspective
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores the social, cultural, historical, and biological nature of human death and dying through the application of social scientific research methods. Topics include: decomposition, death rituals, cultural construction of death, mourning and bereavement, end of life issues, and the ethical implications of death and dying. Students will examine the variety of socio-cultural responses, historically and today, to the biological fact of death. In the process, students will be exposed to a diverse array of disciplines and apply knowledge gained to develop a community based research project.

Prerequisites: 30 credits (level 100 or higher)

INTR-250B Physical and Virtual Environments
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores the ways humans live in, experience, process and record the physical environments in which they dwell. Through the lens of literature and philosophy, students will discover different ways that writers and thinkers have experienced their environments and recorded those experiences, along the way engaging in inquiry about how the digital age is shifting humans' sense of physical belonging-in-place. How has our cultural shift to the virtual (through video games, cell phones, social media, email, etc.) changed our perceptions of what it means to be in the world? This is the central question that the class will explore.

Prerequisites: 30 credits (level 100 or higher)

INTR-250C Integrative Business and Value Creation
3 Credits
Online: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course explores how organization and individuals turn resources and opportunity into value. It examines the functions and activities of business in contemporary society. Emphasis is placed on the terminology necessary to understanding business principles and practices. The course also includes an exploration of business environments, human resources, management, marketing management, finance, management information tools, and international marketing. Focus is on critical factors essential to understanding the interdependence between different facets of business operations. This course is useful for those non-business majors who need an overview of what the study of business encompasses.

Prerequisites: 30 credits (level 100 or higher)
Recommended Prerequisites: MATH-108

INTR-250D Juvenile Justice
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course introduces students to the social issues related to juvenile justice by applying a philosophical and sociological lenses. The course reviews the central reasons for society's treatment and understanding of juvenile offenders. The philosophical roots of belief systems regarding practices and treatment of juvenile offenders will be explored by completing a historical analysis of juvenile law and punishment. Philosophical and sociological theoretical models are applied to understand the causes of criminal behavior by examining the social factors that influence and shape belief systems and behaviors. Finally, the course concludes by examining theories for prevention of juvenile crime by understanding the interdependent role between juvenile justice systems and society, which will be demonstrated through a learning product, project, or presentation.

Prerequisites: 30 credits (level 100 or higher)
Recommended Prerequisites: PHIL-103 or SOC-101

INTR-250E Writing in the Wild: Literature and Language of Natural Spaces
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores various frameworks writers have used to contemplate and respond to natural spaces. Students will be encouraged to situate themselves as individuals and as a community within these frameworks and to create their own texts in response to the natural spaces around them both independently and collaboratively. Using the lenses of literature, ethics, and political discourse, students will encounter different ways of seeing natural spaces, and then will venture into nature to draft their own individual and collaborative creative texts in response to what they see while looking through these same lenses.

Prerequisites: 30 credits (level 100 or higher)
INTR-250F Integrative Inquiry: The Art of Presence
3 Credits
Lecture: 3 hours per week
Offering: Summer Only, All Years
This course is designed to develop reflective intrapersonal communication via the praxis of mindfulness, creativity, and reflection by grounding experiences through the integration of communication, psychology, and art. In this course, students will employ diverse forms of art as a means to develop self-awareness and mindful presence and to experience an authentic encounter between self and other via a process that requires self-knowledge and self-acceptance. Creativity is one of the ways that the self can learn to become more present, as the act of creation requires the full attention of the self, immersed fully within the present moment.
Prerequisites: 30 credits (100 level or higher)

INTR-250G Teaching and Learning in the Outdoors
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course explores how humans' interests, attitudes, beliefs and skills are developed outside the walls of a schoolroom. Topics include: experiential learning, teaching, lesson design, assessment, quality assurance, safety, patterns of learning and development, standards, and ethical considerations for experiential education. The key question students will investigate: How do people teach and learn outside of the traditional classroom? In the process of active inquiry, students will be exposed to a diverse array of disciplines and apply knowledge gained to collaboratively design and implement a developmentally appropriate and challenging outdoor learning experience for others.
Prerequisites: 30 credits (level 100 or higher)

INTR-250H Manufacturing Desire: Persuasive Marketing and Message Creation
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course course provides students with copywriting, advertising campaign planning and messaging strategies in various circumstances as one would experience in a typical advertising agency or client-side marketing team. Through the lenses of business marketing and English composition rhetoric, students will create for themselves a professional portfolio which showcases their copywriting abilities for web, print, broadcast, direct mail, sponsorship, and other advertising platforms (this portfolio is typically required by potential employers for students pursuing copywriting careers at agencies and in-house marketing positions).
Prerequisites: 30 credits (level 100 or higher)

INTR-250I Page to Stage: Making Theatre From Scratch
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course follows the creation of a theatrical production from the writing of a short play all the way to its production in front of an audience. Techniques and skills in writing, design, acting/performance, and technical theatre will be explored and developed. Students should be prepared for meeting outside of regular class meetings.
Prerequisites: 30 credits (level 100 or higher)

INTR-250J Psychology of Marketing
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is designed to investigate how social and behavioral science informs and impacts business and marketing fields. Psychology of Marketing will integrate sociological perspectives, analyze and evaluate consumer behavior from a psychological framework, and then address, from the perspective of both distribution and consumption, the strategies that are implemented by companies and organizations. The course culminates in a learning product, project, or presentation that connects these multiple ways of knowing to the intricacies of marketing and consumer behavior.
Prerequisites: 30 credits (level 100 or higher)

INTR-250K Art and Social Justice
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores the intersection of social justice and the arts. Through the lens of sociology, literature, and fine arts, students will examine theories of social justice, analyze a range of literary and artistic texts, explore the ways in which artistic expression interacts with social movements, and apply their knowledge in a collaborative culminating project.
Prerequisites: 30 credits (level 100 or higher)

INTR-250L Artistic Expression in the 20th Century
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores changes in the arts occurring in the early 20th Century that freed visual artists, writers, and musical composers to express new ideas in innovative and abstract ways. Reviewing 19th Century developments in technology, such as the camera, telegraph, and phonograph, along with the ideas of influential thinkers of the time, sets the stage for studying artistic, literary, and musical works of such people as Pablo Picasso, T.S. Eliot, and Igor Stravinsky. Students will respond aesthetically to and will make connections among visual art, literature, and music through individual and cooperative assignments that include options for artistic expression.
Prerequisites: 30 credits (level 100 or higher)
**Prerequisites:**
to contribute to solving issues.

**teamwork, leadership, and change management skills effectively**

to their learning processes and how they can utilize communication,
examine contributions across disciplines. Students will reflect on

collaboratively to solve problems in patient case studies and

**Topics** include economics, evidence-based practice, quality

will analyze how various forces in healthcare drive change.

**collaboratively to address issues in healthcare. Students**

This course prepares students across disciplines to work

Offering: Fall Only, All Years

This course explores the politics and social history of Eastern

Lecture: 3 hours per week

Offering: Fall and Spring Only, All Years

This course will track the development of musical tuning from

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course will explore leadership, research, writing, and

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course will explore leadership, research, writing, and

Lecture: 3 hours per week

Offering: Fall, Spring, and Summer, All Years

This course examines social/political protest in the United States.

Lecture: 3 hours per week

Offering: Fall, Spring, and Summer, All Years

This course explores how spending time in nature
can help relieve stress and anxiety, improve concentration, and
boost feelings of happiness and wellbeing. Students will learn the
physiological and psychological benefits of time spent in nature.

Lecture: 3 hours per week

Offering: Fall and Spring Only, All Years

This course will examine the philosophical and aesthetic implication
of these changes in terms of musical performance, our

**Recommended Prerequisites:** 30 credits (level 100 or higher)

**Recommended Prerequisites:** ENGL-102, History or Political

**Recommended Prerequisites:** College-level Math or Physics

course

**Recommended Prerequisites:** 30 credits (level 100 or higher)

**Recommended Prerequisites:** 30 credits (level 100 or higher)

**Recommended Prerequisites:** 30 credits (level 100 or higher)

**Recommended Prerequisites:** 30 credits (level 100 or higher)
Fairy Tales and the Culture of Childhood

**3 Credits**

**Lecture:** 3 hours per week

**Offering:** Spring and Summer Only, All Years

This course invites students to examine a variety of classic and contemporary fairy tales in order to investigate how these tales define and expand the genre of children's literature, connect to childrearing techniques, and to educational practices. Fairy tales are perceived as stories created to entertain and delight young children, but they are so much more. Through the lens of Child Development and Literature, students will collaboratively explore the interconnectedness between author, characters, and audience to the morals, values, and lessons they teach.

**Prerequisites:** 30 credits (level 100 or higher)

---

Science Fiction

**3 Credits**

**Lecture:** 3 hours per week

**Offering:** Fall and Spring Only, All Years

This integrative inquiry seminar explores themes in science fiction through literature and cinema arts. From early literary works such as Mary Wollstonecraft Shelley's Frankenstein; or The Modern Prometheus to more recent films like Ridley Scott's Prometheus, humanity's questions about science and technology generate imagined dystopias and utopias, reflecting visions of the future.

**Prerequisites:** 30 credits (level 100 or higher)

---

Media Literacy in the Digital Age

**3 Credits**

**Lecture:** 3 hours per week

**Offering:** Spring Only, All Years

This course aims to enhance the media literacy skills of students by analyzing the pervasive nature of mass communication and its influence on thought and behavior. Students will learn skills to become critical consumers of information from a variety of sources, including social media. In addition to defining and exploring the tenets of media literacy, this course will incorporate library science skills to enhance students' ability to seek and use credible information sources.

**Prerequisites:** 30 credits (level 100 or higher)
Italian (ITAL)

ITAL-101  Elementary Italian I
5 Credits
Lecture: 5 hours per week
Offering: Fall Only, All Years
This course includes the introductory study of vocabulary, grammar, and pronunciation. It emphasizes the development of proficiencies in speaking, reading, listening, and writing. Students will enhance their understanding of the language, culture, and geography of Italy. A laboratory is included in the course.

ITAL-102  Elementary Italian II
5 Credits
Lecture: 5 hours per week
Offering: Spring Only, All Years
This course is a continuation of ITAL-101, emphasizing further development of basic language fluency. Students will enhance their understanding of the Italian language and culture, as well as the physical and political geography of Italy. A laboratory is included in the course.
Prerequisites: ITAL-101
Law Enforcement (LAWE)

LAWE-161 Basic Police Law and Professional Orientation
7 Credits
Lecture: 6 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course exposes students to Idaho POST approved and required topics regarding the human dimensions of the police profession, including ethics, professionalism, effective communication, health and fitness, first-aid, and crime prevention. Students will gain a basic understanding of federal, state, and local laws and learn how to apply that knowledge as a police officer on patrol through more than 40 hours of basic police law related to the U.S. Constitution and Idaho Codes, rules of evidence, criminal law, arrest, and search and seizure. This knowledge will allow graduates of the program to determine traffic offenses, probable cause for arrest, and how to process criminal cases, while understanding the human element of public service and the importance of mental and physical well-being.

LAWE-162 Police Procedures and Investigations
8 Credits
Lecture: 7 hours per week, Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course covers basic, routine patrol procedures and techniques for responding to calls for service and crimes in progress. This includes response to routine calls for service, armed robberies, prowler calls, hostage situations, and domestic disputes as well as conducting unknown-risk, high-risk, and felony traffic stops. The investigative component of this course provides theory, techniques, and procedures for the investigation of traffic crashes, auto theft, burglary, sexual assault, financial crimes, juvenile crimes, allegations of child abuse, DUI situations, traffic situations and control, and suspicious deaths. It also includes techniques and procedures for drug identification and investigation, protection and processing of crime scenes, collecting evidence, fingerprinting, interview and interrogation, death notification, and emergency water safety.

LAWE-163 Enforcement and Field Skills for Patrol Officers
7 Credits
Lecture: 3 hours per week, Lab: 12 hours per week
Offering: Fall and Spring Only, All Years
This course provides students the opportunity to practice and use skills learned throughout the academy lecture and practical exercises. Simulations and exercises include emergency driving, officer survival, crime scene investigation, search warrant application, traffic stops, arrest situations, building searches, and domestic disputes. Students will also receive hands-on training in handgun retention, defensive tactics/arrest and control techniques, handcuffing techniques, use of force, baton training, pepper spray training, Conducted Energy Device, people searches, firearms liability, safety, inspection and maintenance, basic marksmanship, day and night range practice, and handgun, rifle, and shotgun qualifications.
Machine Technology (MACH)

MACH-150 Machining Technology Theory I
6 Credits
Lecture: 6 hours per week
Offering: Fall Only, All Years
This course consists of learning machining related terminology, measuring systems, measuring tool usage, cutter types, and cutter geometry. Some of the instruments used are hand tools, mechanical instruments, lathes, mills, and bench grinders. Students will use shop math for problem solving.

MACH-151L Machining Technology Lab I
6 Credits
Lab: 18 hours per week
Offering: Fall Only, All Years
This course consists of machining projects designed to promote machining skills on all shop machinery and hand tools. Projects are graded to assure that blueprint tolerances are met. Skills learned in theory sessions are transferred to the lab through projects. Students must acquire their own tools, but may use shop tools temporarily. A tool list is supplied to students at the beginning of the course.

MACH-152L Machining Technology Lab II
5 Credits
Lab: 15 hours per week
Offering: Spring Only, All Years
This course consists of machining projects designed to promote machining skills on all shop machinery and hand tools. Projects are graded to assure that blueprint tolerances are met. Skills learned in theory sessions are transferred to the lab through projects. Students will use shop math for problem solving. Students must acquire their own tools, but may use shop tools temporarily. A tool list is supplied to students at the beginning of the course.

Prerequisites: MACH-150, MACH-151L, MACH-171, MCTE-105

MACH-153 Precision Measuring
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course consists of learning terminology, measuring systems, and using measuring tools. Instruments used include hand tools, micrometers, calipers, scales, height gauges, and other measuring devices. Success is dependent on being able to read precision measuring instruments and applying it to real manufactured parts as related to the machining industry.

MACH-160 Manufacturing Processes
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course covers manufacturing strategies from interchangeability of common parts through various “waves” of production techniques including “Lean Manufacturing” as practiced in the Toyota Production System and others. This course also includes an introduction to Computer Aided Machining (CAM) and Word Address programming.

MACH-171 Blueprint Reading
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to identifying blueprint information, needed to produce a machined part, through the interpretation of lines, symbols, and numbers as shown on two and three view orthographic drawings. During the discussion of tolerances, geometric dimensioning and tolerancing will be introduced.

MACH-172 Blueprint Reading II
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course is a continuation of MACH-171 with an emphasis on more complex prints, geometric dimensioning, and tolerancing.

MACH-201 Design for Manufacturing
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, All Years
This course will expose Computer Aided Design Technology - Mechanical students to basic manufacturing processes, concepts, and principles that will help prepare them with skills needed in the mechanical design industry. Students will be exposed to various manufacturing methods including machining, casting, welding, prototyping, and composites.

MACH-231 Computers in Machining
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is designed to provide students with extensive experience with CAD/CAM systems. Students will use PCs to prepare for employment in the computerized manufacturing workplace with the opportunity to become certified in Master CAM Mill. Students will also explore other software applications commonly used in the workplace.

MACH-253L Advanced Machining Lab I
5 Credits
Lab: 16 hours per week
Offering: Fall Only, All Years
This course is a hands on learning experience using tools and techniques discussed in the first year machining program and MACH-253. Students will gain experience on such machines as CNC lathes, CNC mills, precision grinders, as well as practice on advanced techniques on other manual machines.

Prerequisites: MACH-152L

MACH-254L Advanced Machining Lab II
5 Credits
Lab: 16 hours per week
Offering: Spring Only, All Years
This course offers hands-on experience under work-like conditions and in depth CNC and manual projects that build on skills acquired in MACH-253L. Upon successful completion of this course, students should have the necessary skills to be employed as an entry level machinist.

Prerequisites: MACH-253L
MACH-273 Intermediate Blueprint Reading
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course will teach students to interpret advanced drawings and blueprints as well as make sketches with dimensions and additional information necessary to complete projects. Study of all types of section views, complex drawings, and unusual methods of drawing parts to better show features will also be completed. Students will receive hands-on experience sketching and interpreting sketches.
Prerequisites: MACH-172

MACH-274 Geometric Dimensioning and Tolerancing
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course introduces students to the concepts used in the machine trades known as geometric dimensioning and tolerancing. It builds on prior knowledge of blueprints and machined parts and applies that knowledge to “geometric toleranced” drawings. Students will learn the terminology and definitions of geometric dimensioning and tolerancing and how to apply its concepts.

MACH-283 Computer Numerical Control
5 Credits
Lecture: 5 hours per week
Offering: Fall Only, All Years
This course introduces students to the standard practices and methods used in CNC machining for the CNC lathe and CNC milling machine. Students will be familiarized with the different types of controls and machines. Students will also learn basic programming, setup, and part production.
Corequisites: MACH-253L

MACH-284 Advanced Machining Processes and Techniques
5 Credits
Lecture: 5 hours per week
Offering: Spring Only, All Years
This course will teach students more complex methods and setups as well as be exposed to other types of CNC machines. They will also learn precision grinding and finishing skills, tool and cutter grinding, fixturing, and production planning.
Prerequisites: MACH-283
Maintenance Mechanic/Millwright (MM)

MM-150 Industrial Mechanics I
8 Credits
Lecture: 8 hours per week
Offering: Fall Only, All Years
This course is an introduction to the principles of safety, hand and power tools, precision measuring, thread systems and fasteners, mechanical drive systems, equipment installation, and alignment.
Corequisites: MM-151L or WWTR-150L, MM-155

MM-151L Industrial Mechanics Lab I
5 Credits
Lab: 15 hours per week
Offering: Fall Only, All Years
This course applies the skills learned in MM-150, including safety practices, precision measuring, tool usage, mechanical drive systems, equipment installation, and alignment. Students will work on assigned tasks, projects, and performance tests.
Corequisites: MM-150, MM-155

MM-152 Industrial Mechanics II
7 Credits
Lecture: 7 hours per week
Offering: Spring Only, All Years
This course provides instruction in the technical skills required in the safe use of SMAW, GMAW and GTAW welding, industrial electricity, pipe fitting, coupling maintenance and alignment, bearings, packings, seals, and pumps.
Prerequisites: MM-150, MM-151L, MM-155
Corequisites: MM-152L or WWTR-152L, MM-156

MM-152L Industrial Mechanics Lab II
5 Credits
Lab: 15 hours per week
Offering: Spring Only, All Years
This course applies the skills learned in MM-152 including exercises in welding, coupling alignment and maintenance, bearing maintenance, pipe fitting, electric motor and control maintenance, and pump maintenance. Exercises in hydraulics components and troubleshooting areas are also included.
Prerequisites: MM-150, MM-151L
Corequisites: MM-152, MM-156

MM-153 Industrial Mechanics III
2 Credits
Lecture: 2 hours per week
Offering: Summer Only, All Years
This course covers advanced welding, advanced hydraulics, safe rigging practices, preventative maintenance, lubrication, and industrial mechanic skills.
Corequisites: MM-153L

MM-153L Industrial Mechanics Lab III
4 Credits
Lab: 12 hours per week
Offering: Summer Only, All Years
This course applies the theory concepts learned in MM-153 including welding concepts, hydraulics, rigging practices, preventative maintenance, assigned tasks, projects, and related performance tests.
Corequisites: MM-153

MM-155 Industrial Blueprints
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course provides the necessary skills to understand industrial blueprints. Students will learn to read and understand title blocks, bills of materials, dimensions and notes, welding symbols, orthographic projection, auxiliary views, and section views.
Corequisites: MM-150, MM-151L

MM-156 Industrial Hydraulics
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This is a basic course in the fundamentals of fluid power. Students will learn how to effectively troubleshoot industrial hydraulic systems with emphasis on reservoirs, pumps, filters, directional flow and pressure control valves, cylinders, and motors.
Corequisites: MM-152, MM-152L
Mathematics (MATH)

MATH-015 Pre-Algebra
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course provides an introduction to basic algebraic concepts. Students will be able to apply principles of integers, variables, polynomials, exponents, factoring, and solving first-degree equations. This course is graded as satisfactory or unsatisfactory.
Prerequisites: MATH-015, MATH-090 or an appropriate score on a placement test.

MATH-025 Elementary Algebra
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides an introduction to basic algebraic concepts. Students will be able to apply principles of integers, variables, polynomials, exponents, factoring, and solving first-degree equations. MATH-025 provides important skill-building for those who have not taken or have had difficulty with high school algebra.
Prerequisites: MATH-015, MATH-090 or an appropriate score on a placement test.

MATH-090 College Preparatory Math
4 Credits
Lecture: 4 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides students with an individualized mathematics curriculum to prepare them for further mathematics course work in their program. Students will take a diagnostic assessment, the results of which will outline their individualized math study path. Due to the individualized nature of this course, not all students are expected to complete all course outcomes. Topics will include: solving and graphing linear equations and inequalities; working with variables, exponents, polynomials, and factoring. Depending on your math pathway, additional topics may include expressions and equations that are rational, radical, quadratic, exponential, and logarithmic. This course is graded as satisfactory or unsatisfactory.
Prerequisites: MATH-015, MATH-025 or an appropriate score on a placement test.

MATH-123 Math in Modern Society
3 Credits
Lecture: 3 hours per week, Lab: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course models the use of mathematics in real world situations. Students will be able to apply mathematical modeling principles to a variety of practical situations including personal finance, risk assessment, inferences, path analysis, linear programming, similarity and scaling, right-triangle trigonometry, game theory, and/or exponential growth.
Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.

MATH-143 College Algebra
3 Credits
Lecture: 4 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides practical insights into the important role of mathematics in the business world. Students will be able to apply principles of systems of linear equations and inequalities, linear programming, set theory, combinatorics, probability, and elementary concepts of statistics as they relate to decision making and problem solving.
Prerequisites: MATH-108 or an appropriate score on a placement test.

MATH-157 Multivariable Calculus
4 Credits
Lecture: 4 hours per week
Offering: Fall, Spring, and Summer, All Years
This course covers the definition of functions and their properties and notation in both algebraic and graphical contexts. Students will be able to apply principles of polynomial and rational functions and their inverses, graphs, systems of equations, complex numbers, sequences, and exponential and logarithmic functions.
Prerequisites: MATH-143 or an appropriate score on a placement test.

MATH-144 Analytic Trigonometry
2 Credits
Lecture: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course examines trigonometric concepts in terms of the Cartesian coordinate plane and the rectangular and polar coordinate systems. Students will be able to apply principles of angles, fundamental identities and identity verifications of trigonometry, and solving and graphing trigonometric functions. MATH-144 is intended for students following a science, technology, engineering, or mathematics pathway. MATH-143 and MATH-144 cover the content of MATH-147. Note: MATH-144 carries no credit if taken after successful completion of any higher numbered math course with the exception of MATH-157, MATH-160, MATH-253, or MATH-257.
Prerequisites: MATH-143 or an appropriate score on a placement test.
MATH-147 College Algebra and Trigonometry
5 Credits
Lecture: 5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is designed for the well-prepared mathematics student who wishes to condense the one-year sequence of MATH-143 and MATH-144 into one semester. Students will be able to apply principles of polynomial and rational equations, functions and their inverses, graphs, systems of equations, complex numbers, exponential and logarithmic functions, trigonometric functions, identities and graphs, applications of triangles, sequences and series, and polar coordinates. MATH-147 prepares students for calculus courses which are required for degrees in mathematics, engineering, computer science, physics, chemistry, and other STEM related fields. Note: MATH-147 carries no credit if taken after successful completion of any higher numbered math course with the exception of MATH-157, MATH-253, or MATH-257. MATH-147 carries two credits if taken after MATH-143.
Prerequisites: MATH-108 or an appropriate score on a placement test.

MATH-151 Foundations for Statistics
4 Credits
Lecture: 4 hours per week
Offering: Fall and Spring Only, All Years
This course provides students with the prerequisite skills necessary for success in an inferential statistics course. It integrates intermediate algebra skills with sampling techniques and data analysis methods foundational for collecting, organizing, and summarizing data. Algebra topics include ratios, proportional reasoning, and solving proportional, linear, and radical equations. Data analysis methods include graphical and numerical descriptive techniques for quantitative and categorical data and modeling bivariate data with trend lines. Learning strategies emphasize conceptual understanding over mathematical calculations.
Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.

MATH-147 College Algebra and Trigonometry
5 Credits
Lecture: 5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is designed for the well-prepared mathematics student who wishes to condense the one-year sequence of MATH-143 and MATH-144 into one semester. Students will be able to apply principles of polynomial and rational equations, functions and their inverses, graphs, systems of equations, complex numbers, exponential and logarithmic functions, trigonometric functions, identities and graphs, applications of triangles, sequences and series, and polar coordinates. MATH-147 prepares students for calculus courses which are required for degrees in mathematics, engineering, computer science, physics, chemistry, and other STEM related fields. Note: MATH-147 carries no credit if taken after successful completion of any higher numbered math course with the exception of MATH-157, MATH-253, or MATH-257. MATH-147 carries two credits if taken after MATH-143.
Prerequisites: MATH-108 or an appropriate score on a placement test.

MATH-160 Survey of Calculus
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course develops an understanding of the fundamentals of differential and integral calculus and the application of these principles and theories to the solution of real world problems. Students will be able to apply principles of functions, graphs, limits, derivatives, exponential and logarithm functions, and integration. MATH-160 is the introduction to calculus as used in business, social sciences, and life sciences. Note: MATH-160 carries no credit if taken after successful completion of any higher numbered math course with the exception of MATH-187, MATH-253, or MATH-257.
Prerequisites: MATH-143 or MATH-147 or an appropriate score on the placement test.

MATH-170 Calculus I
4 Credits
Lecture: 4 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides an introduction to calculus as the mathematics of change and motion. Students will be able to apply principles of limits, derivatives, and integrals. MATH-170 builds a foundation for all further study typically required in mathematics, engineering, computer science, physics, chemistry, and other STEM related fields. Note: MATH-170 carries no credit if taken after successful completion of a higher numbered math course with the exception of MATH-187, MATH-253, or MATH-257.
Prerequisites: MATH-147 or MATH-143 and MATH-144 or an appropriate score on a placement test.

MATH-175 Analytic Geometry and Calculus II
4 Credits
Lecture: 4 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of the calculus sequence. Students will be able to apply techniques of integration, applications of integration, polar coordinates, parametric equations, sequences, and series. MATH-175 is required for many mathematics, engineering, computer science, physics, chemistry, and other STEM related degrees. Note: MATH-175 carries no credit if taken after successful completion of a higher numbered math course with the exception of MATH-187, MATH-253, MATH-257, or MATH-335.
Prerequisites: MATH-170 or an appropriate score on a placement test.
MATH-187 Discrete Mathematics  
4 Credits  
Lecture: 4 hours per week  
Offering: Fall and Spring Only, All Years  
This course provides an overview of mathematical topics applicable to the study of computer science. Students will be able to apply principles of basic set theory, propositional and predicate logic, number systems, Boolean algebra, combinatorics, and graph theory. MATH-187 is intended for computer science majors, mathematics majors, and for students wishing to pursue in-depth study of computer science. Recommended: Knowledge of programming language such as C++ or Java.  
Prerequisites: MATH-147 or MATH-144 or an appropriate score on a placement test.

MATH-253 Principles of Applied Statistics  
3 Credits  
Lecture: 3 hours per week  
Offering: Fall, Spring, and Summer, All Years  
This course provides an introduction to statistical methods encompassing descriptive statistics and inferential statistics. Students will be able to apply principles of hypothesis testing for one and two samples, correlation and regression, chi-square, analysis of variance, and probability.  
Prerequisites: MATH-130, MATH-143, MATH-147, or MATH-151 or an appropriate score on a placement test.

MATH-257 Mathematics for Elementary School Teachers II  
3 Credits  
Lecture: 3 hours per week, Lab: 1 hour per week  
Offering: Spring Only, All Years  
This course provides prospective elementary school teachers with a problem-solving approach to the topics of the elementary school math curriculum and is a continuation of MATH-157. Students will be able to apply principles of statistics, probability, geometry, and measurement. MATH-257 is required for elementary teacher certification by the State of Idaho.  
Prerequisites: MATH-157

MATH-275 Analytic Geometry and Calculus III  
4 Credits  
Lecture: 4 hours per week  
Offering: Spring and Summer Only, All Years  
This course is the conclusion of the calculus course series. Students will be able to apply principles of vectors, vector-valued functions, partial differentiation, multiple integration, Green's Theorem, Stoke's Theorem, and the Divergence Theorem. MATH-275 is intended for STEM majors.  
Prerequisites: MATH-175

MATH-335 Linear Algebra  
3 Credits  
Lecture: 3 hours per week  
Offering: Fall Only, All Years  
This course addresses vector spaces and linear mappings between such spaces. Students will be able to apply principles of linear systems, matrices, determinants, vector spaces, linear transformations, eigenvalues, and diagonalization of matrices. MATH-335 is intended for students seeking degrees in mathematics, computer science, or engineering.  
Prerequisites: MATH-170
Mathematics Career & Technical (MCTE)

MCTE-101 Technical Mathematics
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is designed as a basic math course for students in technical programs. Students will be able to apply principles of fractions, decimals, percents, ratio and proportion, calculator usage, integers, formula evaluation, equation solving, geometry, trigonometry and the metric system. MCTE-101 is intended for students in technical fields.
Prerequisites: MATH-015, MATH-090 or an appropriate score on a placement test.

MCTE-102 Computational Skills for Allied Health
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in systems of metric and apothecary measurement. Students will be able to apply principles of measurement conversion, reduction, dimensional analysis, drug orders and labels interpretation, oral parenteral and pediatric dosage calculation, intravenous (IV) calculations, ratio and proportion, linear equations, formulas, solutions, and mixture problems.
Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.

MCTE-103 Technical Mathematics for Aerospace Technology
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides students with an overview of the mathematical concepts needed in the Aerospace Advanced Manufacturing certificated programs. Students will be able to apply principles of basic arithmetic, plane and angular geometry, area and volume of two- and three-dimensional solids, right-triangle trigonometry, and trigonometric functions. MCTE-103 does NOT satisfy the core math requirement for the A.A., A.S., or A.A.S. degrees.
Prerequisites: MATH-015 or an appropriate score on a placement test.

MCTE-104 Technical Mathematics for Automotive Technology and Diesel
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course covers mathematical applications for specific technical programs. Students will be able to apply principles of fractions, decimals, percents, ratio and proportion, calculator usage, integers, formula evaluation, equation solving, geometry, the metric system, and measurement.
Prerequisites: MATH-015, MATH-090 or an appropriate score on a placement test.

MCTE-105 Technical Mathematics for Machining and Computer Aided Design Technologies
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course covers mathematical applications of specific technical programs. Students will be able to apply principles of plane and angular geometry, congruent and similar figures, circles, right-triangle trigonometry, trigonometric functions, and vectors.
Prerequisites: MATH-015, MATH-090 or an appropriate score on a placement test.

MCTE-106 Technical Mathematics for Industrial Mechanic/Millwright; HVAC; Welding
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course covers mathematical applications of specific technical programs. Students will be able to apply principles of fractions, decimals, percents, integers, ratio and proportion, the metric system, geometry, and right-triangle trigonometry.
Prerequisites: MATH-015, MATH-090 or an appropriate score on a placement test.
Mechanical Design Engineering Technology (MDET)

MDET-110 SolidWorks Basic
4 Credits
Lecture: 2 hours per week, Lab: 4 hours per week
Offering: Fall Only, All Years
This course is an introduction to SolidWorks Basics and presents fundamental principles toward feature-based parametric modeling and design. Emphasis will be on using basic tools toward the creation of parts, assemblies, and drawings.

MDET-115 Basic Mechanical Design
4 Credits
Lecture: 2 hours per week, Lab: 4 hours per week
Offering: Spring Only, All Years
This course will focus on learning contemporary documentary procedures for mechanical working drawings in accordance with ASME Y-14.5 standards. Students will use CAD software as a design platform. Concentrated efforts will be made to stress the importance of accuracy and clarity in mechanical working drawings, procedures, and practices. Emphasis will also be placed on developing confidence and proficiency in the development of contemporary working drawings. In the lecture/lab environment students will be presented with hands-on assignments/projects to reinforce learning outcomes.
Prerequisites: MDET-110

MDET-120 Intermediate SolidWorks
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course will focus on learning intermediate skillsets with SolidWorks as a mechanical design and engineering platform. In the lecture/lab environment, students will work from textbook chapter problems, related exercises, and instructor handouts to reinforce the subject matter. This course will prepare the student for the MDET-230, Advanced Mechanical Design.
Prerequisites: MDET-110

MDET-210 Advanced SolidWorks Techniques
3 Credits
Lecture: 1 hour per week, Lab: 4 hours per week
Offering: Fall Only, All Years
This course will focus on learning advanced SolidWorks skillsets as a mechanical design and engineering platform. In the lecture/lab environment, students will work from textbook chapter tutorials, related exercises, and instructor handouts to reinforce the subject matter. This course will prepare the student for the MDET-230, Advanced Mechanical Design.
Prerequisites: MDET-120

MDET-215 Industrial Process
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course introduces the product cycle theory in regards to Machine Control Processes via CAD/CAM/CAE methodology. This is an exploratory/hands-on learning environment and students will be engaged in visiting local industries to gain an understanding of industrial processes and their role in the product cycle process. Students will be introduced to rapid-prototyping and produce rapid-prototype parts.

MDET-220 Geometric Dimension and Tolerancing
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course builds on the knowledge learned in MDET-115. This course will focus on geometric dimensioning and tolerancing principles and standards as they relate to working drawings. Topics include, but are not limited to, symbols, datum selection, feature control frames, and related tolerances. Students will learn to interpret and apply geometric dimensioning and tolerancing standards to drawings.
Prerequisites: MDET-115

MDET-225 Machines and Mechanisms
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is an introduction to kinematic analysis of mechanical mechanisms and the transmission of power. Using selected CAD programs, students will gain understanding of linkages, gears, cams, belts, and chain systems.
Prerequisites: MDET-215, MCTE-105 or an appropriate score on a placement test.
Corequisites: MDET-230

MDET-230 Advanced Mechanical Design
4 Credits
Lecture: 2 hours per week, Lab: 4 hours per week
Offering: Spring Only, All Years
This course places emphasis on learning more advanced Solidworks techniques as well as demonstrating design and engineering skillsets as developed throughout the Mechanical Design Engineering Technology program. Students will continue to learn advanced Solid Modeling techniques while working on their final project. Students choose their own final project to do and if the costs go over the students fees, it will be at their own expense.
Prerequisites: MDET-115, MDET-120, MDET-210

MDET-235 Statics and Strength of Materials
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course introduces the basics of statics and strengths of materials without calculus. Students will study stress and strength factors of rigid bodies toward practical mechanical design problems. A good understanding of algebra and trigonometry, along with a knowledge of Microsoft Excel and CAD systems, are recommended to solve a variety of problems.
Prerequisites: MCTE-105 or an appropriate score on a placement test.
Mechatronics (MECH)

MECH-210 Mechatronics I
5 Credits
Lecture: 5 hours per week
Offering: Fall Only, All Years
This course introduces the fundamentals of mechatronics including theory concepts, troubleshooting, testing, and repair procedures. Topics covered include industrial automation and related control systems, electronics, pneumatics, industrial wiring, electrical/electronic systems and components, and AC/DC motors and related systems.
Corequisites: MECH-210L or WWTR-210L, MECH-211

MECH-210L Mechatronics Lab I
4 Credits
Lab: 12 hours per week
Offering: Fall Only, All Years
This course will give students hands-on exposure in a lab setting to the subjects covered in the MECH-210 Mechatronics I theory class. The instruction will use a variety of mock-ups, trainers, and components to reinforce knowledge of systems, testing, troubleshooting, and repair procedures.
Corequisites: MECH-210, MECH-211

MECH-211 Industrial Automation Control Systems
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course introduces the fundamentals of programmable logic controllers, digital electronics, control systems: with theory concepts, operation, basic programming, troubleshooting, testing, and repair procedures.
Corequisites: MECH-210, MECH-211

MECH-220 Advanced Mechatronics II
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course builds on the concepts covered in MECH-210 and advances the understanding of mechatronics and the related systems. Topics covered include PLC communications, industrial automation and related control systems, pneumatics, industrial wiring, AC and DC motors and related systems, sensors, electronics, material handling, basic robotics, workstations, advanced electrical motor control, and electrical power distribution.

MECH-220L Advanced Mechatronics Lab II
4 Credits
Lab: 12 hours per week
Offering: Spring Only, All Years
This course will give students hands-on exposure in a lab setting to the subjects covered in the MECH-220 Advanced Mechatronics II theory class. The instruction will use a variety of mock-ups, trainers, and components to reinforce knowledge of systems, testing, troubleshooting, and repair procedures.
**Medical Assistant (MAST)**

**MAST-100 Phlebotomy**

**2 Credits**

**Lecture:** 1 hour per week, **Lab:** 3 hours per week

**Offering:** Fall Only, All Years

This course provides the student with the knowledge and skills needed for specimen collection in healthcare facilities. The fundamentals of blood drawing and testing will be taught. Students will be performing multiple venous and capillary blood withdrawal techniques. Students will be trained in blood testing that is commonly used in healthcare facilities. Phlebotomy and laboratory quality control measures will be emphasized throughout this course. The use of aseptic technique and universal precaution procedures will be taught as a standard element of all procedures.

**MAST-101 Clinical Skills for Medical Assistants I**

**3 Credits**

**Lecture:** 1.5 hours per week, **Lab:** 3 hours per week

**Offering:** Fall Only, All Years

This course is an introduction to the clinical aspect of medical assisting. Students will become familiar with a physician's clinical office environment and use of equipment. Clinical procedures include vital signs, sterile surgical trays, sterilization techniques, rooming of patients including a complete physical examination. Basic patient nutrition/wellness and how to handle medical office emergencies will be discussed. Written and verbal communication skills, charting methodologies and patient education will be utilized in this class. The use of aseptic technique and universal precautions procedures will be emphasized throughout the course.

**Prerequisites:** BIOL-175 or BIOL-227 and BIOL-228

**Pre/Corequisites:** CAOT-179

**MAST-111 Administrative Skills for Medical Assistants I**

**3 Credits**

**Lecture:** 2 hours per week, **Lab:** 3 hours per week

**Offering:** Fall Only, All Years

This course introduces students to the components of the administrative aspects of work in a physician's office, medical clinic and other healthcare facilities. Students will learn the requirements to become a Medical Assistant and the role they perform as a member of the health care team. A variety of operational tasks such as telephone technique, reception duties and managing patient appointments will be taught. Maintaining manual and electronic medical records will be performed. Written and verbal communication skills, charting methodologies and patient education will be utilized in this course.

**Prerequisites:** BIOL-175 or BIOL-227 and BIOL-228

**Pre/Corequisites:** CAOT-179

**MAST-180 Introduction to Human Disease**

**3 Credits**

**Lecture:** 3 hours per week

**Offering:** Fall Only, All Years

This course will present students with the basic concepts of diseases and their courses and functional disturbances as they relate to body systems. Included are the precipitating risk factors, treatment protocols, and appropriate methods of patient education regarding various disease processes.

**Prerequisites:** BIOL-175 or BIOL-227 and BIOL-228

**Pre/Corequisites:** CAOT-179

**MAST-201 Clinical Skills for Medical Assistants II**

**3 Credits**

**Lecture:** 1.5 hours per week, **Lab:** 4.5 hours per week

**Offering:** Spring Only, All Years

This course builds on the knowledge acquired in MAST 101, Clinical Skills for Medical Assistants I. Using body systems as a framework, students will learn specific health testing, procedures and treatments utilized in physician's offices, outpatient facilities and hospital settings. Students will learn the role of the medical assistant in adult and child health and wellness/illness examinations. Training will include equipment maintenance, quality control and procedures used in testing and treatments performed in outpatient facilities. Students will recognize age and gender specific normal ranges for different tests.

**Prerequisites:** MAST-100, MAST-101, MAST-111

**MAST-205 Administration of Medications**

**3 Credits**

**Lecture:** 2 hours per week, **Lab:** 3 hours per week

**Offering:** Spring Only, All Years

This course provides the knowledge and skills necessary to safely administer medications in the ambulatory care setting. The use of aseptic technique and universal precautions procedures will be emphasized throughout the course. Students will define the principles of pharmacology and utilize standard math conversions in calculating medication dosages. Students will be expected to demonstrate proper administration of medications while complying with HIPAA and OSHA regulations, charting methodologies, and communication skills acquired in previous Medical Assistant courses. Students will be able to identify the top 50 drugs including their action(s), contraindications, schedule, pregnancy category, dosage range and patient education.

**Prerequisites:** MAST-100, MAST-101, MAST-111

**MAST-211 Administrative Skills for Medical Assistants II**

**3 Credits**

**Lecture:** 2 hours per week, **Lab:** 3 hours per week

**Offering:** Spring Only, All Years

This course building on the foundational knowledge provided in MAST 111, Administrative Skills for Medical Assistants I, will provide students with a more in-depth understanding of the administrative aspects of working in a medical office environment. Students will learn the medical assistant's role in medical records management using paper and electronic formats. The course will provide an introduction to health insurance programs, health care coding and billing systems, medical office bookkeeping systems and banking services. Students will engage in job preparation activities such as: job search, completing applications, creating a resume, and mock interviews.

**Prerequisites:** MAST-100, MAST-101, MAST-111
MAST-216 Medical Assistant Externship
5 Credits
Lecture: 1 hour per week, Internship: 6 hours per week
Offering: Summer Only, All Years
This course provides opportunities to observe, perform, and discuss various administrative and clinical competencies under supervision, with learning experiences obtained in selected physician's offices, clinics, or hospitals. The externship is a non-paid, supervised, 180 contact hour work experience course. **Prerequisites:** CAOT-168, CAOT-179, CAOT-186, MAST-100, MAST-101, MAST-111, MAST-201, MAST-205, MAST-211, PHAR-150

MAST-230 Certified Medical Assistant Exam Review
3 Credits
Lecture: 3 hours per week
Offering: Summer Only, All Years
This course is designed to review the entire Medical Assistant program in preparation for the national CMA examination. Students will be able to identify and analyze information in the cognitive, affective and psychomotor domains of General, Administrative and Clinical knowledge of Medical Assisting. **Prerequisites:** CAOT-168, CAOT-179, CAOT-186, MAST-100, MAST-101, MAST-111, MAST-201, MAST-205, MAST-211, PHAR-150
Medical Laboratory Technology (MLT)

MLT-100 Phlebotomy
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course presents the theory and procedures for the practice of phlebotomy and waived laboratory testing as it applies to medical laboratory personnel. Phlebotomy and laboratory quality control measures for specimen collection in healthcare facilities will be emphasized throughout this course.
Pre/Corequisites: MLT-124

MLT-112 Urinalysis and Other Body Fluids
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course is an introduction to the study of urine and body fluid analysis. It includes the anatomy and physiology of the kidney, physical, chemical, and microscopic examination of urine, cerebrospinal fluid, and other body fluids as well as quality control, quality assurance, and safety. Fundamental principles of urine and body fluid analysis with correlation of laboratory methods and practice will also be covered.
Corequisites: MLT-224

MLT-124 Medical Lab Fundamentals
3 Credits
Lab: 9 hours per week
Offering: Spring Only, All Years
This course is an introduction to procedures used in the medical laboratory. Students will learn the application of basic techniques and instruments used in all areas of medical laboratories. These correlate with core MLT courses to include activities for phlebotomy, waived testing, urinalysis, hematology, chemistry, immunology, blood banking and microbiology.
Pre/Corequisites: MLT-100 or MAST-100, MLT-214, MLT-222

MLT-214 Hematology and Hemostasis
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course involves the study of blood cells in peripheral blood, bone marrow, and other body fluids. Concepts of normal and abnormal blood cell maturation, physiology, and morphology are examined as well as hemostasis (coagulation). The course is intended to be an introduction to routine laboratory methods and instrumentation with correlation of laboratory observations with disease conditions.
Corequisites: MLT-124

MLT-218 Medical Lab Chemistry
4 Credits
Lecture: 4 hours per week
Offering: Summer Only, All Years
This course is an introduction to the basic theory and diagnostic procedures in medical chemistry. Basic principles and theory of biochemical and analytical tests and procedures used in the analysis of clinical specimens will be covered. This course emphasizes the correlation of specimen processing as well as analysis of test results and quality control data.
Corequisites: MLT-225

MLT-221 Medical Laboratory Microbiology
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course introduces basic practices and principles of diagnostic microbiology, focusing on pathogenic bacteria encountered in the blood, central nervous system, and genitourinary tract. It includes application of common algorithms for identification of clinically significant pathogens including aerobic gram-positive cocci, gram-negative bacilli, gram-negative cocci, gram-positive bacilli, and anaerobes. The course introduces principles and procedures of immunological and molecular diagnostic techniques and their application to the medical lab.
Prerequisites: MLT-218, MLT-225
Corequisites: MLT-112, MLT-224, MLT-226

MLT-222 Basic Concepts in Transfusion Medicine
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course is an introduction to the basic theory and concepts of antigen-antibody reaction as they pertain to blood cell transfusions. Blood group antigens and the genetics of their inheritance are examined. Methods are introduced for performing blood grouping, compatibility testing, and component selection.
Corequisites: MLT-124

MLT-224 Advanced Medical Laboratory Technology
Student Lab Practice
3 Credits
Lab: 9 hours per week
Offering: Fall Only, All Years
This course included advanced practice of laboratory skills and procedures to reinforce theory gained in core MLT courses in preparation for clinical internships.
Prerequisites: MLT-100, MLT-124, MLT-214, MLT-218, MLT-222, MLT-225
Corequisites: MLT-112, MLT-221, MLT-226

MLT-225 Parasitology, Mycology and Virology
2 Credits
Lecture: 2 hours per week
Offering: Summer Only, All Years
This course covers basic theory and clinical procedures used to isolate and identify intestinal, blood, and tissue parasites; dermatophytes, systemic and subcutaneous fungi, viruses, and mycobacteria.

MLT-226 Immunology and Laboratory Operations
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course offers an overview of the fundamentals of medical lab-related diagnosis and management of disease by immunological and molecular biology laboratory methods. Normal immune function as well as pathological conditions and application to laboratory testing will be covered. Examination aspects of laboratory operations to include quality assessment, troubleshooting, safety, laboratory mathematics, instrumentation and laboratory information systems.
Prerequisites: MLT-218, MLT-225
Corequisites: MLT-112, MLT-221, MLT-224
MLT-250 Capstone Seminar and Exam Review
5 Credits
Lecture: 5 hours per week
Offering: Spring Only, All Years
This course provides a cumulative review of medical laboratory procedures and theoretical concepts from all phases of laboratory testing. Emphasis is placed on recall and application of theory, correlation, and evaluation of all areas of laboratory science. Upon completion, students should be prepared for national certification examinations. Students will apply their technical knowledge to laboratory case studies and to review major areas of the MLT curriculum with an emphasis on critical thinking skills. Students will have access to practice examination in preparation for certification examinations.

MLT-291 Internship I
4 Credits
Internship: 12 hours per week
Offering: Spring Only, All Years
This course provides the first cooperative learning experience in an affiliated clinical facility. Students will gain their first exposure to the clinical environment in a supervised application of learned theory and practice. Students will experience working with patients and performing procedures required of a medical laboratory technician. Specific detailed learning activities are developed to meet established clinical outcomes.

MLT-292 Internship II
4 Credits
Internship: 12 hours per week
Offering: Spring Only, All Years
This course provides the final cooperative learning experience in an affiliated clinical facility. Students will complete their internship in a supervised clinical setting and apply learned theory and practice. Students will achieve competencies required of a medical laboratory technician. Specific detailed learned activities are developed to meet established clinical outcomes.
Military Science (MSA)

MSA-101 Introduction to Military Science
1 Credit
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course is a basic introduction to military science. The course will introduce students to the mission and organization of the U.S. Army and provide background in role of an Army officer as a career choice in either the active Army or the National Guard/Reserves. Students will participate in lecture, conference, and activities dealing with military subjects and will have the option of participating in challenging outdoor activities such as whitewater rafting, mountaineering, rifle marksmanship, and rappelling. Texts and labs fees will be provided by the department. There is no mandatory uniform to wear. Students will also learn about available two and three-year scholarships and other financial programs for which they may be eligible. Participation entails no military obligation.
Corequisites: MSA-111

MSA-102 Fundamentals of Leadership and Management
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, All Years
This course is a continuation of MSA-101. Students will develop a greater understanding of roles and responsibilities of Army officers. The course will consist of lecture, conference, and activities dealing with military subjects. Students will participate in challenging outdoor activities such as orienteering, mountaineering, and weapons training. Students will occasionally be required to wear a uniform. Texts, uniforms, and lab fees will be provided by the department. In this course there will be more focus on leadership development and the development of personal confidence. Participation entails no military obligation.
Corequisites: MSA-112

MSA-111 Leadership Lab
1 Credit
Lab: 1 hour per week
Offering: Fall Only, All Years
This course will build fundamental characteristics of leadership using a military model and hands-on training in small group leadership.
Corequisites: MSA-101

MSA-112 Leadership Lab
1 Credit
Lab: 1 hour per week
Offering: Spring Only, All Years
This course will build fundamental characteristics of leadership using a military model and hands-on training in small group leadership.
Recommended Corequisites: MSA-102

MSA-151 Army Standard Physical Fitness Training I
2 Credits
Lecture: 1 hour per week, Activity: 2 hours per week
Offering: Fall Only, All Years
This course will teach Army Standard Physical Fitness Training to students with class time emphasis on nutrition, healthy lifestyles, proper equipment fitting, diagnostic testing and risk assessment. Open to all NIC students who may take the course twice. ROTC contracted students are required to take the course twice.

MSA-201 Applied Leadership and Management
2 Credits
Lab: 2 hours per week
Offering: Fall Only, All Years
This course is the first of two courses designed to teach applied leadership and management. This course focuses on the application of leadership and management skills to various situations. Emphasis is placed on enhancing leader and communication skills by using a variety of hands-on training. The labs provide practical field training in a variety of outdoor skills (rappelling, rafting, rifle marksmanship, and orienteering) geared toward the application of classroom studies.
Prerequisites: MSA-102
Corequisites: MSA-211

MSA-202 Applied Leadership and Management
2 Credits
Lab: 2 hours per week
Offering: Spring Only, All Years
This course is the second of two courses designed to teach applied leadership and management. This course focuses on the application of leadership and management skills to various case studies. Emphasis is placed on enhancing leader and communication skills by using a variety of hands-on training at the Infantry squad level. The labs provide practical field training in a variety of outdoor skills (rappelling, rafting, rifle marksmanship, and orienteering) geared toward the application of classroom studies.
Prerequisites: MSA-201
Corequisites: MSA-212

MSA-211 Leadership Lab
1 Credit
Lab: 1 hour per week
Offering: Fall Only, All Years
This course will build fundamental characteristics of leadership using a military model and hands-on training in small group leadership.
Corequisites: MSA-201

MSA-212 Leadership Lab
1 Credit
Lab: 1 hour per week
Offering: Spring Only, All Years
This course will build fundamental characteristics of leadership using a military model and hands-on training in small group leadership.
Corequisites: MSA-202
MSA-251 Army Standard Physical Fitness Training II

2 Credits

Lecture: 1 hour per week, Activity: 2 hours per week

Offering: Spring Only, All Years

This course will teach Army Standard Physical Fitness Training to students with class time emphasis on nutrition, healthy lifestyles, proper equipment fitting, diagnostic testing and risk assessment. An emphasis will be placed on leadership and small group leader challenge in the PE training. Open to all NIC students who can take the course twice. ROTC contracted students are required take the course twice.

Prerequisites: MSA-151
Music - Applied (MUSA)

MUSA-114A Individual Instruction: Voice
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in voice. Individual instruction in voice can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114B Individual Instruction: Piano
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in piano. Individual instruction in piano can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114C Individual Instruction: Jazz Piano
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in jazz piano. Individual instruction in jazz piano can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114D Individual Instruction: General Guitar
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in general guitar. Individual instruction in general guitar can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114E Individual Instruction: Classical Guitar
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in classical guitar. Individual instruction in classical guitar can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114F Individual Instruction: Flute
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in flute. Individual instruction in flute can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114G Individual Instruction: Oboe
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in oboe. Individual instruction in oboe can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114H Individual Instruction: Clarinet
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in clarinet. Individual instruction in clarinet can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114I Individual Instruction: Saxophone
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in saxophone. Individual instruction in saxophone can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114J Individual Instruction: Bassoon
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in bassoon. Individual instruction in bassoon can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114K Individual Instruction: Trumpet
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in trumpet. Individual instruction in trumpet can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.
MUSA-114L Individual Instruction: Horn
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in horn. Individual instruction in horn can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114M Individual Instruction: Trombone
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in trombone. Individual instruction in trombone can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114N Individual Instruction: Euphonium
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in euphonium. Individual instruction in euphonium can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114O Individual Instruction: Tuba
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in tuba. Individual instruction in tuba can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114P Individual Instruction: Violin
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in violin. Individual instruction in violin can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114Q Individual Instruction: Viola
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in viola. Individual instruction in viola can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114R Cello
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in cello. Individual instruction in cello can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114S Individual Instruction: String Bass
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in string bass. Individual instruction in string bass can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114T Individual Instruction: Electric Bass
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides individual instruction for non-majors in electric bass. Individual instruction in electric bass can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114U Individual Instruction: Percussion
2 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in percussion. Individual instruction in percussion can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.

MUSA-114V Individual Instruction: Harp
2 Credits
Lecture: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides individual instruction for non-majors in harp. Individual instruction in harp can assist students of all levels to improve their performance abilities. Special fees apply. Two credits requires one half-hour lesson per week. This course requires public performance and may be repeated for credit.
MUSA-124A Individual Instruction: Voice
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in voice. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114A

MUSA-124B Individual Instruction: Piano
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in piano. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114B

MUSA-124C Individual Instruction: Jazz Piano
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in jazz piano. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114C

MUSA-124D Individual Instruction: General Guitar
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in general guitar. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114D

MUSA-124E Individual Instruction: Classical Guitar
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in classical guitar. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114E

MUSA-124F Individual Instruction: Flute
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in flute. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114F

MUSA-124G Individual Instruction: Oboe
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in oboe. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114G

MUSA-124H Individual Instruction: Clarinet
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in clarinet. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114H

MUSA-124I Individual Instruction: Saxophone
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in saxophone. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114I

MUSA-124J Individual Instruction: Bassoon
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in bassoon. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114J
MUSA-124K Individual Instruction: Trumpet
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in trumpet. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114K

MUSA-124L Individual Instruction: Horn
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in horn. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114L

MUSA-124M Individual Instruction: Trombone
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in trombone. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114M

MUSA-124N Individual Instruction: Euphonium
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in euphonium. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114N

MUSA-124O Individual Instruction: Tuba
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in tuba. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114O

MUSA-124P Individual Instruction: Violin
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in violin. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114P

MUSA-124Q Individual Instruction: Viola
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in viola. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114Q

MUSA-124R Individual Instruction: Cello
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall and Spring Only, All Years
This course provides instruction in cello. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114R

MUSA-124S Individual Instruction: String Bass
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in string bass. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114S

MUSA-124T Individual Instruction: Electric Bass
2-4 Credits
Lecture/Lab: 0.5 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides instruction in electric bass. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.
Prerequisites: MUSA-114T
MUSA-124U Individual Instruction: Percussion  
2-4 Credits  
Lecture/Lab: 0.5 hours per week  
Offering: Fall and Spring Only, All Years  
This course provides instruction in percussion. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.  
Prerequisites: MUSA-114U  
MUSA-124V Individual Instruction: Harp  
2-4 Credits  
Lecture/Lab: 0.5 hours per week  
Offering: Fall and Spring Only, All Years  
This course provides instruction in harp. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.  
Prerequisites: MUSA-114V  
MUSA-124Z Individual Instruction: Composition  
2-4 Credits  
Lecture/Lab: 0.5 hours per week  
Offering: Fall and Spring Only, All Years  
This course provides instruction in composition. This course is designed for music majors and requires prior musical experience. Individual instruction in an area of choice can assist students of all levels to improve their performance skills. A jury examination is required. Special fees apply. It may be repeated for credit. The number of credits must be approved by the instructor.  
Prerequisites: MUSA-114V  
MUSA-130 Introduction to Piano  
1 Credit  
Lecture/Lab: 2 hours per week  
Offering: Fall and Spring Only, All Years  
This course is designed to provide group instruction at the piano keyboard. The emphasis of this course is on reading music and playing melody with simple chord accompaniment. Students enrolling need no prior musical background. This course may be repeated for credit.  
MUSA-145 Piano Class I  
1 Credit  
Lecture/Lab: 2 hours per week  
Offering: Fall and Spring Only, All Years  
This course is designed for music majors and minors preparing for a keyboard competency exam. Emphasis is on developing basic piano technique, music-reading skills, and reinforcement of music theory fundamentals. Music selections range from classic to contemporary. This class may be repeated for a maximum of two credits.  
Pre/Corequisites: MUSC-141  
MUSA-146 Piano Class II  
1 Credit  
Lecture/Lab: 2 hours per week  
Offering: Fall and Spring Only, All Years  
This course is a continuation of MUSA-145 and prepares music majors and minors preparing for a keyboard competency exam. Technique, sight reading, harmonization, improvisation, and piano literature are areas of emphasis. This class may be repeated for a maximum of two credits.  
Prerequisites: MUSA-145  
MUSA-245 Piano Class III  
1 Credit  
Lecture/Lab: 2 hours per week  
Offering: Fall and Spring Only, All Years  
This course is a continuation of MUSA-146 and prepares music majors and minors preparing for a keyboard competency exam. Further development of technique, sight reading, harmonization, improvisation, and repertoire with addition of score reading is emphasized. This class may be repeated for a maximum of two credits.  
Prerequisites: MUSA-146  
MUSA-246 Piano Class IV  
1 Credit  
Lecture/Lab: 2 hours per week  
Offering: Fall and Spring Only, All Years  
This course is a continuation of MUSA-245 and prepares music majors and minors preparing for a keyboard competency exam. Emphasis will be on reviewing previously acquired phases in technique, sight reading, harmonization, transposition, improvisation, and score reading. More complex harmonies will be introduced. The piano repertoire is at an intermediate level. A minimum grade of C- is required to complete pretesting requirements. This class may be repeated for a maximum of 2 credits.  
Prerequisites: MUSA-245
Music - Composition (MUSC)

MUSC-117 Music Convocation
0 Credits
Activity
Offering: Fall and Spring Only, All Years
This course is concert attendance that is required for all music majors. Attendance at ten concerts is required each semester.

MUSC-141 Harmony and Theory I
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course involves the study and application of the basic materials of music in four-part harmony. Emphasis is placed upon a thorough knowledge of the fundamentals of music and the development of composition and beginning analysis skills. It deals with harmonic practice from the year 1600 on. This course fulfills a theory requirement for music majors.
Corequisites: MUSA-145, MUSC-141L

MUSC-141L Harmony and Theory I Lab
1 Credit
Lab: 2 hours per week
Offering: Fall Only, All Years
This course assists students in the development of aural skills such as sight-singing, rhythmic, melodic, and simple harmonic music dictation and recognition. Emphasis is on materials covered in MUSC-141. This course expands upon musical understanding developed in MUSC-141.
Corequisites: MUSC-141

MUSC-142 Harmony and Theory II
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is a continuation of MUSC-141, emphasizing expanded use of harmonies in writing and analysis.
Prerequisites: MUSC-141
Corequisites: MUSC-142L

MUSC-142L Harmony and Theory II Lab
1 Credit
Lab: 2 hours per week
Offering: Spring Only, All Years
This course is a continuation of MUSC-141L.
Prerequisites: MUSC-141L
Corequisites: MUSC-142

MUSC-241 Harmony and Theory III
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is a continuation of MUSC-142 with an emphasis on writing and analysis of music through the Romantic era.
Prerequisites: MUSC-142
Corequisites: MUSC-241L

MUSC-241L Harmony and Theory III Lab
1 Credit
Lab: 2 hours per week
Offering: Fall Only, All Years
This course is a continuation of MUSC-142L.
Prerequisites: MUSC-142L
Corequisites: MUSC-241

MUSC-242 Harmony and Theory IV
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is a continuation of MUSC-241 with emphasis on writing and analysis of music in the 20th century.
Prerequisites: MUSC-241
Corequisites: MUSC-242L

MUSC-242L Harmony and Theory IV Lab
1 Credit
Lab: 2 hours per week
Offering: Spring Only, All Years
This course is a continuation of MUSC-241L.
Prerequisites: MUSC-241L
Corequisites: MUSC-242
Music - Humanities (MUSI)

MUSI-100  Introduction to Music
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is an introduction for students (majors and non-majors) to musical styles of our civilization. The study will include music of different periods and its cultural context, including a study of the American culture and the present musical scene. This course is designed to enhance students' musical appreciation through an increase in musical knowledge.

MUSI-127  Survey of American Popular Music Since 1900
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an introduction for students (majors and non-majors) to the various styles of American popular music, including its roots and development. Music will be presented with regard to its historical and social implications. Study includes Dixieland, swing, bebop, fusion, musical theatre, country western, and all types of rock 'n' roll. This course is designed to enhance musical appreciation through an increase in musical knowledge.
Music - Performance (MUSP)

MUSP-102  Cardinal Voices - Commercial Music Ensemble
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is a music ensemble that focuses on performance of studio quality popular music. It provides an ensemble atmosphere with an emphasis on small group dynamics, ensemble singingformance, solo performance, songwriting, arranging, all within versatile musical/singing styles. This course is open to all students through audition.

Recommended Corequisites: Any MUSA-114, any MUSA-124, MUSA-145, MUSA-146, MUSA-245 or MUSA-246

MUSP-103  North Idaho College Cardinal Chorale
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is North Idaho College’s large vocal ensemble organized to perform standard and mixed choir arrangements. This course may be taken as an ensemble elective for music majors and it may be repeated for credit. Credit may be transferrable. Choir membership is open to college students and area residents.

MUSP-104  Vocal Jazz Ensemble
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is a small group that performs studio quality popular and swing jazz music. It provides a choral learning atmosphere with an emphasis on small group dynamics, solo performance, and an aggressive singing style. This course is for students interested in an intense study of the vocal jazz form. It may be repeated for credit.

MUSP-106  North Idaho College Wind Symphony
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an instrumental ensemble designed to perform traditional and contemporary concert band literature. Band membership is open to college students and area residents. This course provides students and area residents a chance to enhance their music appreciation through musical performance. It may be repeated for credit.

MUSP-107  Cardinal Pep Band
1 Credit
Lecture/Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is an instrumental ensemble designed to perform at athletic events and other school events. It may be repeated for credit. Audition and permission of instructor required.

MUSP-110M  Chamber Singers
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course introduces students to literature for the particular type of ensemble and includes involvement in regular public performances with other small ensembles. It is designed to provide a variety of vocal experiences for the student: chamber choral, male quartet, mixed quartet, female trio, duets, musical theater, etc. Ensemble membership is open to college students and area residents. This course may be repeated for credit. Audition and permission of instructor required.

MUSP-111C  Chamber Ensemble
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course consists of instrumental ensembles that are small groups of brass, woodwind, string, percussion, pit orchestra, or mixed instruments organized to perform a standard chamber music repertoire. Credit may be transferable and can be repeated for credit. Ensemble membership is open to college students and area residents. Audition and permission of instructor required.

MUSP-111J  Brass/Jazz Ensemble
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course consists of instrumental ensembles that are small groups of brass, woodwind, string, percussion, pit orchestra, or mixed instruments organized to perform a standard chamber music repertoire. Credit may be transferable and can be repeated for credit. Ensemble membership is open to college students and area residents. Audition and permission of instructor required.

MUSP-111O  Cardinal Chamber Orchestra
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course consists of instrumental ensembles that are small groups of brass, woodwind, string, percussion, pit orchestra, or mixed instruments organized to perform a standard chamber music repertoire. Credit may be transferable and can be repeated for credit. Ensemble membership is open to college students and area residents. Audition and permission of instructor required.

MUSP-111P  Percussion Ensemble
1 Credit
Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course consists of instrumental ensembles that are small groups of brass, woodwind, string, percussion, pit orchestra, or mixed instruments organized to perform a standard chamber music repertoire. Credit may be transferable and can be repeated for credit. Ensemble membership is open to college students and area residents. Audition and permission of instructor required.
MUSP-113  North Idaho College Jazz Ensemble
1 Credit

Lecture/Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is an instrumental ensemble designed to perform jazz literature in all 20th century styles. Ensemble membership is open to college students and area residents. This course provides students and area residents a vehicle for jazz appreciation through performance. It may be repeated for credit. Audition and permission of instructor required.
Nursing (NURS)

NURS-115 Wellness for Care Providers
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course prepares students entering the Associate’s Degree Nursing Program to maintain self-care as a priority, providing a foundation for subsequent nursing courses. Students will become familiar with the roles and responsibilities of the professional nurse in self-care and learn positive ways in which nurses can contribute to the culture of quality and safety in healthcare.

NURS-196 LPN Transition
4 Credits
Lecture: 2 hours per week, Lab: 6 hours per week
Offering: Summer Only, All Years
This course is intended for students who are Licensed Practical Nurses and are seeking advanced placement in the Associate Degree Nursing Program at North Idaho College. The course consists of 30 hours of lecture and includes both classroom and online components. The course is designed to provide content from the first year nursing courses that is not typically covered in LPN programs. The course content includes legal/ethical issues, teaching/learning principles, therapeutic communication, group and nursing process, and dosage calculations. The 90-hour clinical component is designed to transition the LPN to the RN student role, as well as introduce the student to the ADN Program requirements.

NURS-198 Nursing Practice Clinical Practicum
1 Credit
Lab: 3 hours per week
Offering: Summer Only, All Years
This course provides students with opportunities to apply the theory and skills from preceding nursing courses in clinical nursing practice. Patient care experience in an acute care health setting allows students to further develop skills in critical thinking and application of the nursing process, effective communication with patients, family and other health care providers, and implementing therapeutic nursing interventions. This course may be repeated twice for credit.

NURS-201 Fundamentals of Nursing
2 Credits
Lecture: 2 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students entering the Associate’s Degree Nursing Program to care for others, while providing a foundation for subsequent nursing courses. Students will become familiar with the roles and responsibilities of the professional nurse, and the culture of quality and safety in healthcare.
Prerequisites: BIOL-227, COMM-101, ENGL-101, GEM 3 MATH course, PSYC-101
Corequisites: NURS-210, NURS-215, NURS-225
Pre/Corequisites: BIOL-228, SOC-101

NURS-210 Fundamentals of Nursing Lab
2 Credits
Lab: 6 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students entering the Associate’s Degree Nursing Program to provide nursing care to assist individuals in meeting basic human needs, while providing a foundation for subsequent nursing courses. Students will apply concepts of quality and safety in the care of patients to meet basic human needs.
Prerequisites: BIOL-227, COMM-101, ENGL-101, GEM 3 MATH Course, PSYC-101
Corequisites: NURS-201, NURS-215, NURS-225
Pre/Corequisites: BIOL-228, SOC-101

NURS-215 Physical Assessment with Lab
1 Credit
Lecture: 0.5 hours per week, Lab: 1.5 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to perform both comprehensive and focused physical assessments, while providing a foundation for subsequent nursing courses. Students will learn how to identify normal and abnormal assessment data, and document and communicate patient conditions.
Prerequisites: BIOL-227, COMM-101, ENGL-101, GEM 3 MATH Course, PSYC-101
Corequisites: NURS-201, NURS-210, NURS-225
Pre/Corequisites: BIOL-228, SOC-101

NURS-225 Pharmacology in Nursing Practice
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course prepares students in basic pharmacology concepts with an emphasis on safe administration of medications, while providing a foundation for subsequent nursing courses. Students will become familiar with medication classification, implications of medication administration in special populations, medication dosage calculation, error prevention systems, and clinical tools that support well-informed decision making.
Prerequisites: BIOL-227, COMM-101, ENGL-101, GEM 3 MATH course, PSYC-101
Corequisites: NURS-201, NURS-210, NURS-225
Pre/Corequisites: BIOL-228, SOC-101

NURS-235 Psychiatric Mental Health Nursing with Lab
1 Credit
Lecture: 0.6 hours per week, Lab: 1.2 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to provide nursing care to individuals with mental and behavioral problems. This course is a continuation of prior nursing courses. Students will apply the nursing process in support of evidence-based and equitable interdisciplinary care that maintains patient safety and promotes illness recovery.
Prerequisites: BIOL-228, NURS-115, NURS-201, NURS-210, NURS-215, NURS-225, SOC-101
Corequisites: NURS-250, NURS-255
Pre/Corequisites: BACT-250, ENGL-102
NURS-240 Nursing Care of Child-Bearing Families with Lab
2 Credits
Lecture: 1.5 hours per week, Lab: 1.5 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to provide nursing care to individuals and families within the childbearing continuum, which includes sexuality, childbirth, and children. This course is a continuation of prior nursing courses. Students will demonstrate the knowledge, skills, and attitudes necessary to prevent injury and provide safe care to this patient population. Students will demonstrate professional communication and standards during the planning and delivery of family-centered care.
Prerequisites: BACT-250, ENGL-102, NURS-235, NURS-250, NURS-255
Corequisites: NURS-260, NURS-265
Pre/Corequisites: GEM 5 Course

NURS-245 Community Health Nursing
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course prepares students to provide nursing care across the lifespan to groups and populations with disease and health issues. This course is a continuation of prior nursing courses. Students will examine healthcare and habits of individuals and groups in various cultures and socioeconomic states. Students will also focus on health promotion and disease prevention and on methods to reduce morbidity and mortality. This course offers a service-learning component in the application of nursing knowledge, skills, and attitudes.
Prerequisites: GEM 5 Course, NURS-240, NURS-260, NURS-265
Corequisites: INTR-2500, NURS-270, NURS-275
Pre/Corequisites: GEM 5 Course

NURS-250 Medical Surgical Nursing I
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to provide nursing care to adult patients with acute and chronic medical-surgical conditions, with an emphasis on chronic conditions. This course is a continuation of prior nursing courses. Students will learn roles and responsibilities of the developing nurse in planning and delivering evidence-based patient care using the nursing process.
Prerequisites: BIOL-228, NURS-115, NURS-201, NURS-210, NURS-215, NURS-225, SOC-101
Corequisites: NURS-235, NURS-255
Pre/Corequisites: BACT-250, ENGL-102

NURS-255 Medical Surgical Nursing Lab I
3 Credits
Lab: 9 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to provide nursing care to stable patients with acute and chronic illnesses. This course is a continuation of prior nursing courses. Students will apply roles and responsibilities of the developing nurse, collaborating with the healthcare team to plan and deliver evidence-based patient care using the nursing process.
Prerequisites: BIOL-228, NURS-115, NURS-201, NURS-210, NURS-215, NURS-225, SOC-101
Corequisites: NURS-235, NURS-250
Pre/Corequisites: BACT-250, ENGL-102

NURS-260 Medical Surgical Nursing II
4 Credits
Lecture: 4 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to integrate the knowledge, skills, and attitudes required to care for patients and families experiencing complex acute and chronic illness. This course is a continuation of prior nursing courses. Students will develop problem-solving and clinical reasoning skills necessary to coordinate and deliver comprehensive nursing care in a variety of settings using the nursing process.
Prerequisites: BACT-250, ENGL-102, NURS-235, NURS-250, NURS-255
Corequisites: NURS-240, NURS-265
Pre/Corequisites: GEM 5 Course

NURS-265 Medical Surgical Nursing Lab II
4 Credits
Lab: 12 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to provide nursing care to patients in a variety of settings. This course is a continuation of prior nursing courses. Emphasis will be on the multiple dimensions of safe patient care, including teamwork, interprofessional communication technologies, and patient/family values. Students will demonstrate application of the nursing process that utilizes strategies based on research, clinical expertise, and quality improvement principles.
Prerequisites: BACT-250, ENGL-102, NURS-235, NURS-250, NURS-255
Corequisites: NURS-240, NURS-260
Pre/Corequisites: GEM 5 Course
NURS-270 Transition to Nursing Practice
1 Credit
Lecture: 1 hour per week
Offering: Fall and Spring Only, All Years
This course prepares students to transition from nursing student to registered nurse. This course is a continuation of prior nursing courses. Students will be introduced to advanced concepts related to the role of the nurse as a member of the profession, provider of patient-centered care, patient advocate, and member of the healthcare team. Emphasis is placed on the utilization of evidence-based practice and informatics to promote safety and quality in healthcare. This course also provides additional instruction to assist students in career planning and development as well as preparing for NCLEX success and licensure.
Prerequisites: NURS-240, NURS-260, NURS-265
Corequisites: INTR-250O, NURS-245, NURS-275
Pre/Corequisites: GEM 5 Course

NURS-275 Transition to Nursing Practice Lab
3 Credits
Lab: 9 hours per week
Offering: Fall and Spring Only, All Years
This course prepares students to provide safe and effective nursing care. This course is a continuation of prior nursing courses. Students will participate in clinical practicum experiences which provide opportunities to further develop competencies in patient-centered care, teamwork and collaboration, safety, quality, informatics, and evidence-based practice. Satisfactory completion of this course prepares students for entry into professional nursing practice.
Prerequisites: GEM 5 Course, NURS-240, NURS-260, NURS-265
Corequisites: INTR-2500, NURS-245, NURS-270
Pre/Corequisites: GEM 5 Course
Paralegal (PLEG)

PLEG-105 Civil Procedure and Litigation
3 Credits
Lecture: 3 hours per week  
Offering: Spring Only, All Years
This course is designed to teach students the steps necessary to institute and advance a civil lawsuit from the initial client interview through trial. Emphasis is placed on drafting documents instrumental in a civil lawsuit as well as understanding the process.

PLEG-110 Introduction to Law
2 Credits
Lecture: 2 hours per week  
Offering: Fall and Spring Only, All Years
This course is an introduction to the American and Idaho legal institutions and processes. It examines the sources of law, the relationships between the federal and state court systems, legal reasoning, ethical standards, and the role of the paralegal. Law office administration is introduced and emphasis on legal fees, timekeeping, billing, and docket control systems.

PLEG-115 Legal Terminology
1 Credit
Lecture: 1 hour per week  
Offering: Fall and Spring Only, All Years
This course introduces the spelling, pronunciation, definition, and usage of basic legal terms. The course broadly covers general law terms as well as specialized legal terminology. Topics include word origins, word building, abbreviations and symbols, correct spelling, pronunciation, and meanings of terminology related to the course system, contracts, family law, real estate, litigation, wills/probate, bankruptcy, and other areas of the law.

PLEG-201 Legal Ethics
1 Credit
Lecture: 1 hour per week  
Offering: Fall Only, All Years
This course will examine specific legal issues pertaining to the laws of legal ethics. The Code of Professional Responsibility and the Code of Judicial Ethics are used to examine the boundaries of authorized practices, confidentiality, and delegation of authority.

PLEG-210 Legal Research and Writing I
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week  
Offering: Fall Only, All Years
This course is an introduction to legal resource materials and methodology. Research skills are developed through law library research and drafting assignments. Emphasis is placed on the use of the legal database and on effective communication of research results through the drafting and preparation of legal documents and instruments.

PLEG-220 Legal Research and Writing II
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week  
Offering: Spring Only, All Years
This course is a continuation of PLEG-210 with emphasis on the further development of research techniques. Discussion topics include administrative and executive agency research, legislative research, non-legal reference materials, and loose-leaf services. Advanced processes in drafting and preparation of legal documents and instruments are emphasized.

Prerequisites: PLEG-210

PLEG-230 Evidence
3 Credits
Lecture: 3 hours per week  
Offering: Fall Only, All Years
This course will examine specific legal issues pertaining to the laws of evidence. Areas of study include the functions of the judge and jury, the principles of standard and burden of proof in civil and criminal cases, the admissibility of evidence, cross examination and re-examination, trial procedures, hearsay evidence, competence and compellability of witness, character evidence and corroborating evidence.

Prerequisites: PLEG-210, PLEG-115, PLEG-210

PLEG-250 Family Law
3 Credits
Lecture: 3 hours per week  
Offering: Spring Only, All Years
This course is a study of Idaho laws and procedures. Discussion topics include marriage and dissolution of marriage; child custody, visitation, and support; adoptions; domestic violence; and property rights.

Prerequisites: PLEG-115

PLEG-260 Criminal Law and Procedure
3 Credits
Lecture: 3 hours per week  
Offering: Fall Only, All Years
This course is an exploration of the criminal justice system including the application of Idaho laws. Discussion topics include a study of the definition of a crime, institution of criminal action, defenses to criminal accusation, the court process, negotiated and formal pleadings, constitutional safeguards, and sentencing and probation.

Prerequisites: PLEG-115

PLEG-280 Torts and Contracts
3 Credits
Lecture: 3 hours per week  
Offering: Spring Only, All Years
This course teaches a basic understanding of two important aspects of law: torts and contracts. The course examines the principles of civil wrongs and liabilities (torts) including causes of action from negligence, industrial injuries, and professional malpractice. The class will address fault and without-fault actions, strict liability, and intentional torts. Defenses and damages are also explored. The semester includes a study of contract law as found in the Common Law and Article Two of the Uniform Commercial Code.

Prerequisites: PLEG-110, PLEG-115

Recommended Prerequisites: PLEG-210
PLEG-290 Paralegal Internship I

3 Credits

Internship: 9 hours per week

Offering: Fall, Spring, and Summer, All Years

This course provides a practical application of paralegal skills in a law office or law-related office. There are approximately nine hours per week of supervised work in the office to add breadth and depth to the student's paralegal experiences.

Prerequisites: PLEG-105, PLEG-110, PLEG-115, PLEG-210
Pharmacy Technology (PHAR)

PHAR-150 Introduction to Pharmacology

3 Credits

Lecture: 3 hours per week

Offering: Fall and Spring Only, All Years

This course is designed to provide an overview of pharmacologic principles with an emphasis on therapeutic drug classification. For each therapeutic drug classification, basic mechanism of drug actions, side effects, routes of administration, and common indications will be reviewed. Students will become familiar with common abbreviations and vocabulary terms related to drug therapy. Additionally, the course will prepare students to recognize the top 200 drugs (generic and brand name).
Philosophy (PHIL)

PHIL-101 Introduction to Philosophy
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is the discovery and exploration of major intellectual problems of humankind through methods of questioning, analysis, synthesis, and critique. It emphasizes developing a world view and higher-order reasoning skills through consideration of such issues as the nature of time and physical reality, mind and consciousness, free will, evil, truth, ethics, and the nature and existence of God. This course is for students interested in the meaning of life and the implications of modern science for understanding our world.
Recommended Prerequisites: ENGL-101

PHIL-103 Introduction to Ethics
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is the investigation and discussion of personal, social, and professional moral issues and the principles and thinking skills used for their resolution. Emphasis is on the development and application of reasoning skills for decision making in the moral domain. This course provides awareness, sensitivity, insights, and skills essential to the success and moral integrity of the person in today’s morally complex world.
Recommended Prerequisites: ENGL-101

PHIL-111 World Religions
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course presents an overview of the historical and cultural settings, main beliefs, and practices of American Indian indigenous spirituality, of the great Eastern religions (Hinduism, Buddhism, Taoism and Confucianism) and of the Western religions (Judaism, Christianity and Islam). Attention is given to similarities and differences in concepts of humanity and in relationship to society, nature, and the divine. This course is for students interested in humankind’s religious heritage and cultures of other parts of the world.
Recommended Prerequisites: ENGL-101

PHIL-201 Logic and Critical Thinking
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is a general introduction to the reasoning skills and psychological approaches used for effective decision-making, problem-solving, and argument analysis and evaluation. This course provides instruction in skills essential to success in everyday life, citizenship, and as a professional in any career.
Recommended Prerequisites: ENGL-101 or COMM-101

PHIL-205 Political and Social Philosophy
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Even Years
This course examines the most influential thinkers in the tradition of Western political philosophy. What we understand today as representative government, democracy, communism, socialism, and capitalism are the institutional manifestations of such noteworthy minds as Aristotle, Plato, Jean-Jacques Rousseau, John Locke, James Madison, Niccolo Machiavelli, Thomas Hobbes, Adam Smith, Alexis de Tocqueville, Karl Marx, and Chantal Delsol. Students taking this course will come to appreciate the powerful influence philosophy has had on the shape and structure of the various competing modern political traditions and ideologies. The class will conduct a thorough examination of each thinker’s perspective on such issues as the ideal structure of government, the role of human nature in political theory, the relationship between freedom and authority, the role that equality, inequality, economics, and power play in politics, and the competing definitions of political legitimacy. Students taking this course will be well-equipped to defend their own positions in the contemporary debates over issues of social and political justice. This course is the same as POLS-208.
Prerequisites: ENGL-101
Recommended Prerequisites: PHIL-101

PHIL-210 History of Ancient Philosophy
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course will examine the teachings of the ancient Greek philosophers and their influence on the later development of Western philosophy and culture. The course is organized around the pre-Socratic philosophers (Pythagoras, Heraclitus, and others), the Sophists, Socrates, Plato, and Aristotle and the fundamental questions they asked about human nature, reality, ethics, politics, economics, education, science, knowledge, religion and happiness. Students in this course will be introduced to what the ancient Greeks understood as the wisdom tradition in philosophy with an exploration into the most fundamental and perennial questions of human existence.
Prerequisites: ENGL-101
Recommended Prerequisites: PHIL-101

PHIL-215 History of Modern Philosophy
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Odd Years
This course covers the major European thinkers of the Enlightenment period of the 17th and 18th centuries and examines the way in which their perspectives revolutionized European discourse concerning the nature and structure of reality and knowledge. Students will be introduced to the thought of Francis Bacon, Rene Descartes, Baruch Spinoza, John Locke, Immanuel Kant, Jean-Jacques Rousseau, Thomas Hobbes, and other major thinkers of the period. In addition, students will examine how Enlightenment philosophy led to new attitudes concerning religion, politics, ethics, economics, and human nature.
Prerequisites: ENGL-101
Recommended Prerequisites: PHIL-101
PHIL-220 Asian Philosophy
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Odd Years
This course will examine for the most part the major Asian philosophical traditions of India and China, and to a lesser extent, Japan. These major traditions of India and China serve as the foundation for the "minor" philosophical traditions in Asia. For example, the Indian and Chinese traditions serve as a source for the philosophical traditions of Southeast Asia, Tibet, Korea, and Japan. We will focus on the main metaphysical, epistemological, political, and ethical issues that characterize each of these traditions, and to some extent we will compare these worldviews with western traditions where applicable. In addition, students will have the chance to read and reflect upon various modern and contemporary representatives of each of these traditions, such as Gandhi (India), Basho (Japan) and Anchee Min (China). This course is a timely introduction to the philosophical traditions of two of the major players on the world stage: India and China, and the course should help students to gain valuable sensitivity to the worldviews of two civilizations that will surely be gaining in extraordinary influence during the 21st century.
Prerequisites: ENGL-101 or an appropriate score on a placement test.
Recommended Prerequisites: PHIL-101

PHIL-222 Environmental Ethics
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, Odd Years
This course investigates the historical development of the relationship between humans and the environment and then explores the ethical questions that pertain to human choices regarding animals and the environment. Students will address such questions as: What is the environment and do we have an obligation to protect it? Do non-human animals have rights? What is the proper ethical balance between economic and environmental concerns regarding natural resources? Does the present generation have an ethical obligation to preserve a healthy environment for future generations?
Prerequisites: ENGL-101
Recommended Prerequisites: PHIL-101
Photography (PHTO)

PHTO-183 Introduction to Digital Photography
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course uses the advanced digital camera to build basic
skills in students who have an interest in photography, but no
prior experience. Using a combination of lecture, demonstration,
and hands-on exercises, this course will explore the basic
photographic techniques and artistic concerns involved
in making photographs. These include camera handling,
composition, effective use of light, file management, digital
image manipulation and developing a photographic vision.
Students entering the course must have a digital camera with
 aperture priority, shutter priority, and exposure compensation.
Students are also responsible for all digital storage media.

PHTO-185 Adobe Photoshop and Lightroom
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course introduces students to the importance of a digital
photography workflow using the industry standard software -
Adobe Lightroom and Photoshop. Many aspects of the software
will be discussed, including required hardware, image capture,
file formats, color space, and output management. The class
includes detailed demonstrations, hands-on exercises, and
constructive critiques to assist in developing the necessary
skills for a complete digital photography workflow, as well as
techniques for photo editing and retouching.

PHTO-285 Nature Photography
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, Odd Years
This course is an introduction to outdoor and nature photography
with a specific focus on understanding common wildlife species,
basic photographic skills, marketing opportunities, magazine
analysis, and other subjects related to nature photography. It
provides basic skills and knowledge for students interested in
photographing nature and marketing photographs.
Prerequisites: PHTO-183

PHTO-288 Intermediate Digital Photography
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Odd Years
This intermediate level course is designed to expand the
knowledge and abilities of motivated students who have
completed PHTO-183 Introduction to Digital Photography. Basic
photographic and post-process skills learned in PHTO-183 will
be refined as students work to develop a personal photographic
vision. Each student will be challenged visually and intellectually,
extploring four major photographic themes. Students will then
create a portfolio of unique photographs to fit one of those
themes. Students entering the course must have a digital camera
with aperture and shutter priority and exposure compensation.
Students are also responsible for all digital storage media and
purchasing an online book (portfolio) of their work.
Prerequisites: PHTO-183

PHTO-289 Photojournalism
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Even Years
This course provides exposure to the challenge of publications
photography for students who have completed an introductory
photography course. Through lecture, demonstration, and hands
on exercises, students develop their visual communication
abilities. Students will gain valuable skills in recognizing
photo opportunities, covering news events and features, and
composing page layouts. Most importantly, students will refine
capabilities to create storytelling photographs in individual
and photo essay formats. Students entering this course must
have a digital camera with aperture and shutter priority and
exposure compensation. Students are also responsible for all
digital storage media.
Prerequisites: PHTO-183
Physical Education (PE)

PE-100MB Varsity Sports - Men’s Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in men’s basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100MF Varsity Sports - Men’s Soccer
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in men’s soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100MG Varsity Sports - Men’s Golf
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in men’s golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100MW Varsity Sports - Men’s Wrestling
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in men’s wrestling. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100WB Varsity Sports - Women’s Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in women’s basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100WF Varsity Sports - Women’s Soccer
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in women’s soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100WG Varsity Sports - Women’s Golf
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in women’s golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100WS Varsity Sports - Women’s Softball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in women’s softball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-100WV Varsity Sports - Women’s Volleyball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to freshman varsity athletes who compete in women’s volleyball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-101MB Varsity Sports Strength Training - Men’s Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-101MF** Varsity Sports Strength Training - Men's Soccer
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years

**PE-101MG** Varsity Sports Strength Training - Men's Golf
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years

**PE-101MW** Varsity Sports Strength Training - Men's Wrestling
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years

**PE-101WF** Varsity Sports Strength Training - Women's Soccer
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years

**PE-101WG** Varsity Sports Strength Training - Women's Golf
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years

**PE-101WS** Varsity Sports Strength Training - Women's Softball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years

**PE-101WB** Varsity Sports Strength Training - Women's Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years

**PE-101WV** Varsity Sports Strength Training - Women's Volleyball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
PE-102MB Varsity Sports - Men's Basketball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in men's basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102MF Varsity Sports - Men's Soccer
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in men's soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102MG Varsity Sports - Men's Golf
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in men's golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102MW Varsity Sports - Men's Wrestling
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in men's wrestling. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102WB Varsity Sports - Women's Basketball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in women's basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102WF Varsity Sports - Women's Soccer
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in women's soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102WG Varsity Sports - Women's Golf
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in women's golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102WS Varsity Sports - Women's Softball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in women's softball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-102VW Varsity Sports - Women's Volleyball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course is restricted to freshman varsity athletes who compete in women's volleyball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-103MB Varsity Sports Strength Training - Men's Basketball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-103MF Varsity Sports Strength Training - Men's Soccer
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.
PE-103MG  ☀  Varsity Sports Strength Training - Men’s Golf
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-103MW  ☀  Varsity Sports Strength Training - Men’s Wrestling
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-103WB  ☀  Varsity Sports Strength Training - Women’s Basketball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-103WF  ☀  Varsity Sports Strength Training - Women’s Soccer
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-103WG  ☀  Varsity Sports Strength Training - Women’s Golf
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-103WS  ☀  Varsity Sports Strength Training - Women’s Softball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-103WV  ☀  Varsity Sports Strength Training - Women’s Volleyball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-105Z Varsity Sports - Cheerleading
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course involves instruction and practice in cheerleading for members of the NIC cheerleading squad. Areas developed include gymnastics, dance, communication, group leadership, and social skills. It provides experience for improving self-confidence, public performance, and gymnastic abilities. Students must participate in team tryouts to earn a place on the squad. This course may be repeated for a total of four credits.

PE-110A Beginning/Intermediate Swimming
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
Students are taught fundamental swimming and water safety skills for the non-swimmer or beginner. This course requires two hours of practice weekly. This course may be repeated for a total of four credits.
PE-110B  Begin Whitewater Kayaking
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces students to the lifetime sport of whitewater kayaking. Theoretical and practical aspects of kayaking equipment, trip planning, river hazards, reading whitewater, accidents, rescue issues, group leadership, and processing will be taught through lecture, discussion, video, and practical experience. Emphasis is placed on proper equipment, safety, and general preparedness for river outings. A strong component of the course will deal with leadership principles in the organization, presentation, and conduct of river outings. This is a beginning course. Do not expect to emerge from this course with leadership skills or ability for the job market. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirements of GEM 7.

PE-110C  Beginning Rock Climbing
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces the lifetime sport of rock climbing. It emphasizes the basic skills and knowledge needed for safe and enjoyable participation in this sport, including, climbing techniques, equipment, belay techniques, knots, rope work, anchors, safety, and rescue information. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110CC Tai Chi
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course teaches the traditional form of Tai Chi Chuan. An emphasis is placed on employing the eight methods and five directions, as well as demonstrating the basic body principles during form practice. This is a beginning course. This course may be repeated for a total of four credits.

PE-110D  Beginning Sailing
1 Credit
Activity: 2 hours per week
Offering: Fall and Summer Only, All Years
This course introduces students to the lifetime sport of sailing. Theoretical and practical aspects of sailing equipment, boat handling, terminology, basic navigation, and group leadership will be taught through lecture, discussion, video, and practical experience. Emphasis will be placed on proper equipment, safety, and general preparedness for sailing. A strong component of the course is leadership principles in the organization, presentation, and conduct of sailing trips. This is a beginning course. Do not expect to emerge from this course as a proficient sailor or qualified sailing instructor. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110E  Beginning Yoga
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course develops techniques that enhance strength, flexibility, and body/mind awareness through breathing, yoga postures, concentration, and relaxation. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110F  Cardiovascular Training
1 Credit
Online: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course enables students to improve their cardiovascular fitness and muscular strength, as well as gain knowledge about basic exercise physiology and personal health and wellness. Basic skills and knowledge include proper workout technique, setting up a workout program, and using target heart rate zones in training with heart rate monitoring equipment. Testing fitness levels and tracking nutrition intake is also an integral part of this course. May be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110G Equitation
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course teaches the art and science of riding a horse. Equitation is different from all the other P.E. courses in that a student is working with a live animal with feelings and you need to learn teamwork, be partners, and learn to dance together. Students will learn how to approach, catch, halter, lead, and tie up horses using horse behavior and psychology to handle and control the horse at all times. Students will learn and use horse communication skills at all times. Students will learn how to obtain the horse for riding by proper grooming and feet cleaning procedures before putting the blanket, saddle, and bridle on. Students will learn how to mount properly as though without a cinch, guide the horse at the walk, jog, canter in correct leads by using the correct aids, and ride by "feel." By using their mind and body, students will learn how to do lateral work, transition from one gait to another, stop, and back up under objectives. Safety, control, respect, relaxation, balance, and calmness, is stressed and practiced at all times. This course may be repeated for a total of four credits.

PE-110I Intermediate Yoga
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is designed to develop techniques which enhance strength, flexibility, and body/mind awareness through breathing, yoga postures, concentration, and relaxation. This course follows the beginning yoga course and builds on skills learned there. Outcomes, assessment, evaluation, and schedules remain similar or identical to the beginning course. This course may be repeated for a total of four credits.

Prerequisites: PE-110E
PE-110J  Jogging/Powerwalking
1 Credit
Activity: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces the lifetime fitness activity of jogging/power walking. This course includes aerobic jogging/walking at a brisk, powerful pace using all of the major muscle groups in the upper and lower body simultaneously, resulting in a complete aerobic workout. Jogging/walking with power will help students achieve a high overall fitness level when done correctly for the proper amount of time. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110K  Cardio Kickboxing
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is a pre-designed non-contact aerobic course that uses no equipment. The cardio section uses intensity drills and energy sprints in an interval format followed by work recovery sections. Each class will consist of 40 minutes of an aerobic session followed by 10 minutes of conditioning and cool down. This course may be repeated for a total of four credits.

PE-110L  Lake Kayak/Canoe
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces the lifetime sports of lake kayaking and canoeing. This course will emphasize the basic skills needed for safe and enjoyable participation in these sports. Basic skills and knowledge include equipment, paddle strokes, navigation, and essential kayaking/canoeing safety and rescue information. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-110M  Pilates
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course focuses on core conditioning. This course encourages individuals to have a better body awareness. Students will challenge strength, balance, and learn principles of pilates and yoga. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-110O  Self-Defense
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course introduces self-defense. The course emphasizes the basic skills needed for safe and enjoyable participation, along with self-defense skills for personal protection. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110P  Sking/Snowboarding
1 Credit
Activity: 4 hours per week
Offering: Spring Only, All Years
This course teaches basic skiing and snowboarding skills. The course focuses on skill improvement and development, equipment selection, and safety issues. This course may be repeated for a total of four credits.

PE-110PP  Cross Country Skiing
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course participates is a versatile winter sport activity. It incorporates full body movement with low physical impact on the body. The sport can be enjoyed by virtually all age groups and a wide variety of skiing abilities. The course will cover all aspects of cross country skiing, including the history of the sport, how to properly dress, purchasing and maintaining Nordic ski equipment and ski technique from beginning to more advanced skills, such as skating and telemarking. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110Q  Step Aerobics
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is a low impact, aerobic activity. Movements will be performed on and off a step platform with risers. Intensity level is determined by speed, travel, and execution of movement patterns. Each class will consist of 40 minutes of an aerobic session followed by 10 minutes of conditioning and cool down. This course may be repeated for a total of four credits.

PE-110QQ  Zumba
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is a fitness program inspired by Latin dance. Zumba combines Latin rhythms with cardiovascular exercise to create an aerobic routine that is fun and easy to follow. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-110R  Strength Training
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course teaches the lifetime fitness activity of weight training. The course will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.
PE-110S Swim Conditioning
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course enables students to work on improving endurance, speed, and efficiency in the water as well as general cardiovascular fitness. This course may be repeated for a total of four credits.

PE-110T Tone and Trim
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course focuses on total body conditioning. Students will use weights, balls, bands, steps, mats, and the great outdoors to improve their health. Students will experiment with many different forms of exercise including pilates, yoga, cardiovascular training, and total body strengthening. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-110TT Spinning
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course will introduce students to indoor cycling on a stationary bicycle. Students will learn how to cycle correctly and train indoors. Students will learn different hand positions and how to ride at different resistance and varying speeds. Students will have the opportunity to ride several different formats throughout the semester. This course may be repeated for a total of four credits. Only one credit can apply toward the Wellness requirement in GEM 7.

PE-110U Water Aerobics
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is a low impact workout that utilizes water resistance to improve or maintain cardiovascular fitness, muscular fitness, flexibility, balance, and coordination. This is a fun activity class for all levels from beginner to advanced athletes. This course may be repeated for a total of four credits.

PE-110V Cardio Cross Training
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course introduces multiple cardiovascular conditioning workouts. Students will learn how to monitor intensities through heart rate and ratings of perceived exertion; gain an understanding of progressive overload as it pertains to aerobic fitness; and improve technique, form, and coordination with a variety of aerobic based activities. This course may be repeated for a total of four credits. Only one credit can apply toward the Wellness requirement in GEM 7.

PE-110VV Introduction to CrossFit
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course introduces students to an incredibly effective strength and conditioning program. CrossFit utilizes functional workout movements that are varied and can be performed with an intensity level personalized to enhance health and wellness. Students will learn proper technique and mechanics for lifting, running, gymnastics, biking, rowing, pull-ups, push-ups, and other body weight exercises of CrossFit. It is a highly adaptable program, applicable for all fitness levels and ages, to support lifelong health. CrossFit is effective, usable, and best of all, fun. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-110W Mountain Biking
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces the lifetime sport of mountain biking. This course will emphasize the basic skills needed for safe and enjoyable participation. Basic skills and knowledge include bike maintenance and related equipment, riding techniques, and safety information. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-110X Kenpo Karate
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is the study of Kenpo Karate. The course will emphasize the basic skills needed for safe and enjoyable participation, along with self-defense skills for personal protection. This course may be repeated for a total of four credits.

PE-110Y Bowling
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course focuses on fundamental instruction in the activity of bowling. This is an introductory course. Topics include bowling basics and tips, warm up stretches, manual and computer scorekeeping, plus bowling etiquette and terms. While content is applicable to many levels of bowling, the coursework is focused on fundamentals of the game and aimed at introducing bowling as a sport to enjoy for exercise and recreation. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.
PE-110Z **Beginning Fly Fishing**  
*1 Credit*

**Activity:** 2 hours per week  
**Offering:** Fall and Spring, and Summer, All Years  
This course will teach students the basic skills related to catching fish with the use of a fly rod. This is an activity lab course where students will participate daily. Students will develop the skills and knowledge that they will be able to use in the natural environment. Instruction and participation will include casting, equipment, entomology, knot tying, safety, reading the water, approach, and presentation. Hands-on activities will include practice casting and knot tying skills. Each class will include a variety of visual presentations from the instructor and resource people from the community. We will conclude with a class fishing experience on the Coeur d’Alene River. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-111A **Basketball**  
*1 Credit*

**Activity:** 2 hours per week  
**Offering:** Fall and Spring Only, All Years  
This course introduces the lifetime sport of basketball. The course will emphasize the basic skills needed for safe and enjoyable participation. The basic skills and knowledge include rules of the game, fundamentals, and strategies of the game, along with safety principles. This course may be repeated for a total of four credits.

PE-111B **Beginning Golf**  
*1 Credit*

**Activity:** 2 hours per week  
**Offering:** Fall and Spring Only, All Years  
This course introduces the lifetime sport of golf. The course will emphasize the basic skills needed for safe and enjoyable participation. The basic skills and knowledge include use of equipment, grip, stance, strokes, and safety principles. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-111C **Multiple Sports**  
*1 Credit*

**Activity:** 2 hours per week  
**Offering:** Fall and Spring Only, All Years  
This course introduces students to multiple sports for participation over a lifetime. The sports selected offer a mix of both team and individual sports, along with the emphasis on cardiovascular fitness. Each unit will be two to three weeks in length and consist of three phases: safety and skill development, rules of the game, and game competition. Sports will be selected from ultimate Frisbee, soccer, flag football, kickball, disc golf, whiffle ball, dodge ball, volleyball, 3-on-3 basketball, and 5-on-5 basketball. This course may be repeated for a total of four credits.

PE-111D **Racquetball**  
*1 Credit*

**Activity:** 2 hours per week  
**Offering:** Fall and Spring Only, All Years  
This course introduces the lifetime sport of racquetball. The course will emphasize the basic skills needed for safe and enjoyable participation. The basic skills and knowledge include rules of the game, grip, stance, racquet strokes, individual and doubles play, and safety principles. This course may be repeated for a total of four credits. Only one credit may be applied toward the Wellness requirements of GEM 7.

PE-111F **Beginning Tennis**  
*1 Credit*

**Activity:** 2 hours per week  
**Offering:** Fall, Spring, and Summer, All Years  
This course introduces the lifetime sport of tennis. The course will emphasize the basic skills needed for safe and enjoyable participation. The basic skills and knowledge include rules, etiquette, and game strategy. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-111H **Whitewater Rafting**  
*1 Credit*

**Activity:** 2 hours per week  
**Offering:** Fall, Spring, and Summer, All Years  
This course introduces the students to a variety of outdoor adventure sports. During the semester, students will be exposed to sea kayaking, sailing, whitewater rafting, hiking, rock climbing, snow shoeing, cross country skiing, and seasonal activities. Students will learn the very basics of each of these lifetime sports and hopefully pursue them in the future. This course may be repeated for a total of four credits.
PE-111P Stand Up Paddle Boarding
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is designed to introduce and expose the participant to equipment, sufficient skills, and knowledge so that they can enjoy the sport of stand up paddling boarding. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-111S Beginning Scuba Diver
1 Credit
Lecture: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is the entry-level confined water training session involving classroom and pool instruction. It provides the fundamental knowledge and skills to scuba dive. During this course students will apply dive principles, while learning and practicing dive procedures, and skills. Upon successful completion of all of the required elements of this course, students are considered prepared to enter the open water portion of the certification course.

PE-112B Tai Chi for Seniors
1 Credit
Activity: 2 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is an introductory course for an exercise system that is performed slowly in a relaxed fashion with fluid graceful motions and that is accessible for any fitness level. It is based on traditional Chinese philosophies and is useful for improving the health of body and mind. It increases balance, range of motion, and helps to relieve stress. Through learning Tai Chi, students develop techniques and skills which enhance balance, strength, bone density, flexibility, and general vitality. The course includes traditional warm-up of soft style calisthenics and acupoint massage, followed by a 24-movement simplified form of Tai Chi Chuan; with a traditional closing sequence of An-Mo (self-massage). Proper breathing, postural alignment, balance, weight shifting, and awareness of sequential muscular effort are emphasized throughout.

PE-112BB Intermediate Tai Chi for Seniors
1 Credit
Lecture: 2 hours per week
Offering: Fall and Spring Only, All Years
This course teaches a more complex, traditionally structured Tai Chi form that builds on the skills and knowledge of simplified Tai Chi acquired in the Tai Chi for Seniors course. An emphasis on employing the eight methods and five directions, as well as demonstrating the 10 essential body principles during form practice is a prime focus of this course.

PE-112E Yoga for Seniors
1 Credit
Activity: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is an integrated system of education for the body, mind, and inner spirit. Yoga is all about being flexible. Yoga can be practiced by anyone, regardless of age or physical ability. It will enhance studies, reduce stress, and help students enjoy their free time.

PE-160 Foundations of Physical Education
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course presents an overview of the history and development of professional physical education and related fields including principles and objectives of program development and management. It is beneficial for students considering a career in physical education or recreation services.

PE-200MB Varsity Sports - Men's Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in men's basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-200MF Varsity Sports - Men's Soccer
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in men's soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-200MG Varsity Sports - Men's Golf
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in men's golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-200MW Varsity Sports - Men's Wrestling
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in men's wrestling. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-200WB Varsity Sports - Women's Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in women's basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.
PE-200WF Varsity Sports - Women's Soccer
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in women's soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-200WG Varsity Sports - Women's Golf
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete women's golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-200WS Varsity Sports - Women's Softball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in women's softball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-200WV Varsity Sports - Women's Volleyball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course is restricted to sophomore varsity athletes who compete in women's volleyball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

PE-201MB Varsity Sports Strength Training - Men's Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-201MF Varsity Sports Strength Training - Men's Soccer
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-201MG Varsity Sports Strength Training - Men's Golf
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-201MW Varsity Sports Strength Training - Men's Wrestling
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-201WB Varsity Sports Strength Training - Women's Basketball
1 Credit
Activity: 2 hours per week
Offering: Fall Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.
Flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-201WG** Varsity Sports Strength Training - Women's Golf

**Activity:** 2 hours per week  
**Offering:** Fall Only, All Years

This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-201WS** Varsity Sports Strength Training - Women's Softball

**Activity:** 2 hours per week  
**Offering:** Fall Only, All Years

This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-201WF** Varsity Sports Strength Training - Women's Soccer

**Activity:** 2 hours per week  
**Offering:** Fall Only, All Years

This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-202MB** Varsity Sports - Men's Basketball

**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years

This course is restricted to sophomore varsity athletes who compete in men's basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-202MF** Varsity Sports - Men's Soccer

**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years

This course is restricted to sophomore varsity athletes who compete in men's soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-202MG** Varsity Sports - Men's Golf

**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years

This course is restricted to sophomore varsity athletes who compete in men's golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-202MW** Varsity Sports - Men's Wrestling

**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years

This course is restricted to sophomore varsity athletes who compete in men's wrestling. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-202WB** Varsity Sports - Women's Basketball

**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years

This course is restricted to sophomore varsity athletes who compete in women's basketball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-202WF** Varsity Sports - Women's Soccer

**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years

This course is restricted to sophomore varsity athletes who compete in women's soccer. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.
**PE-202WG Varsity Sports - Women's Golf**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course is restricted to sophomore varsity athletes who compete in women's golf. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-202WS Varsity Sports - Women's Softball**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course is restricted to sophomore varsity athletes who compete in women's softball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-202VV Varsity Sports - Women's Volleyball**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course is restricted to sophomore varsity athletes who compete in women's volleyball. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at upper collegiate level.

**PE-203MB Varsity Sports Strength Training - Men's Basketball**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-203MF Varsity Sports Strength Training - Men's Soccer**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-203MG Varsity Sports Strength Training - Men's Golf**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-203MW Varsity Sports Strength Training - Men's Wrestling**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-203WB Varsity Sports Strength Training - Women's Basketball**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

**PE-203WF Varsity Sports Strength Training - Women's Soccer**  
**1 Credit**  
**Activity:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.
PE-203WG  Varsity Sports Strength Training - Women's Golf
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-203WS  Varsity Sports Strength Training - Women's Softball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-203WV  Varsity Sports Strength Training - Women's Volleyball
1 Credit
Activity: 2 hours per week
Offering: Spring Only, All Years
This course introduces students to the lifetime fitness activity of weight training. It will familiarize students with weight training equipment, teach proper training principles and mechanics, and help students develop a personalized training program. Weight training has been shown to improve metabolism, cardiovascular fitness, body composition, muscular strength/endurance, flexibility, and emotional wellbeing. Athletes must register for the appropriate course number for their sport.

PE-220 Sports Ethics
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course examines the interrelationship of sports with other aspects of culture, economics, drugs, gambling, and media will be among the topics studied in this course. The role of sports in American society will also be discussed.

PE-221 Fitness Activities and Concepts
2 Credits
Lecture/Lab: 2 hours per week
Offering: Fall Only, All Years
This course includes individual fitness development with focus on developing personal skills in presenting and teaching fitness activities for public and private sector programs.

PE-222 Wellness Lifestyles
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course examines contemporary health/wellness with emphasis on personal decision making and behavioral changes to create a personal lifestyle which promotes high level wellness.

PE-223 Exercise Physiology
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course will cover physiological responses/adaptations to exercise. Topics in this course include neuromuscular, metabolic, cardiovascular, hormonal, and respiratory systems as they pertain to acute and chronic exercise. The major goal of the course is to develop a basic understanding of exercise physiology that will: 1) allow the student to utilize exercise physiology in their daily lives and future profession, 2) prepare the student to take additional courses in exercise science.

PE-224 Nutrition for Health, Fitness, and Exercise
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course examines the basic concepts of nutrition related to exercise training to improve fitness, health, and athletic performance.

PE-225 Sports Psychology
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course provides an overview of the growing field of sports psychology, which involves applying psychological science to sports. Topics include how sports psychologists assist athletes and teams in setting and achieving sports, fitness, and exercises goals. Topics also include theoretical foundations of behavior, psychological interventions of performance problems, adherence and maintenance of gains, and the impaired athlete.

PE-226 Stress Management
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course explores the concepts of stress from a holistic approach, emphasizing identification of sources of stress, understanding physical and emotional consequences, and developing techniques for dealing with stress. Students will gain improved personal stress management skills through discussion and practice in communication techniques, nutrition, exercise, relaxation, and values clarification, while also learning strategies for dealing with change, loss, and enhancing self-esteem.
PE-227 Legal Aspects of Sport and Recreation  
**3 Credits**  
**Lecture:** 3 hours per week  
**Offering:** Spring Only, All Years  
This course provides an examination of legal and legislative issues affecting sports-related activities. It will include a focus on some of the legal issues which arise in sport business as well as discussion of some of those which occur in professional sports arenas. The course focuses on risk management to discuss tort, contract, agency, constitutional law, antitrust law, labor law and intellectual property law in the sport industry. It also provides the student with a foundation of comprehensive information relevant to practitioners in the sport industry.  
**Recommended Prerequisites:** PE-160

PE-234 Team Dynamics  
**3 Credits**  
**Lecture:** 1 hour per week, **Lab:** 4 hours per week  
**Offering:** Fall Only, All Years  
This course is designed to introduce students to the design and application of a challenge course, and to train students in the technical skills required to instruct and sequence various activities on a challenge course. Topics include team building, equipment, individual element description and safety, delay techniques, activity introduction and framing, spotting techniques, instructor awareness, activity variations and introductory processing, inspection, maintenance, emergency procedures, participant screening, accident reporting, and rescue skills. This course is the same as RRM-234.

PE-237A Wilderness Backpacking  
**3 Credits**  
**Lecture:** 3 hours per week  
**Offering:** Fall Only, All Years  
This course teaches skills and knowledge needed for camping and traveling in a wilderness environment with special attention given to trip leadership. The course focuses on trip leadership, minimum-impact techniques, wilderness navigation, equipment selection, and safety issues. This course is the same as RRM-237A.

PE-237B Wilderness Survival  
**3 Credits**  
**Lecture:** 3 hours per week  
**Offering:** Spring Only, All Years  
This course provides students with basic life-support skills and knowledge to predict and prepare for emergencies encountered in a wilderness environment. Focus is on emergency procedures, life-support skills, signaling, equipment selection, and safety issues. This course is the same as RRM-237B.

PE-237C Whitewater Guiding  
**3 Credits**  
**Lecture:** 1 hour per week, **Lab:** 4 hours per week  
**Offering:** Spring Only, All Years  
This course develops whitewater guiding skills and competencies through hands-on experience with special attention given to the safety concerns of whitewater rafting. The skill and competencies include trip leadership, risk management, reading whitewater, maneuvering rafts, swift water rescue, and outfitting. This course is the same as RRM-237C.

PE-237D Mountaineering  
**3 Credits**  
**Lecture:** 1 hour per week, **Lab:** 4 hours per week  
**Offering:** Spring Only, All Years  
This course provides a foundation of mountaineering skills with special attention given to trip leadership. Focus is also on snow and glacier travel, avalanche awareness, winter camping, backcountry travel, rock climbing, minimum-impact techniques, equipment selection, and safety issues. This course is the same as RRM-237D.

PE-237E Outdoor Programming and Leadership  
**3 Credits**  
**Lecture:** 3 hours per week  
**Offering:** Fall Only, All Years  
This course develops the skills and knowledge needed for leading and programming outdoor adventure sports with special attention given to leadership and teaching methods. This course will focus on trip leadership, risk management, teaching methods, group dynamics, communication, activity selection, and methods of programming. This course is the same as RRM-237E.

PE-237F Outdoor Navigation  
**3 Credits**  
**Lecture:** 1 hour per week, **Lab:** 4 hours per week  
**Offering:** Fall Only, All Years  
This course is designed to introduce students to the importance of using a map and compass while working and recreating. It will cover the reading of forest service and topographical maps which include symbols, legends, border information, and contour lines. The course includes the use of magnetic compasses and GPSs in an outdoor environment and functions that plot a course on maps. Supplemental navigation skills are included. This course is the same as RRM-237F.

PE-237G Avalanche Level I  
**1 Credit**  
**Lecture:** 1 hour per week, **Lab:** 2 hours per week  
**Offering:** Spring Only, All Years  
This course will develop a good grounding in how to prepare for and carry out a trip, to understand basic decision making while in the field, and to learn rescue techniques required to find and retrieve a buried person in avalanche country. This course is the same as RRM-237G.

PE-237H Introduction to Outdoor Cooking  
**3 Credits**  
**Lecture:** 3 hours per week  
**Offering:** Spring Only, All Years  
This course is designed to teach the basic skills needed to cook meals in an outdoor setting. Students will learn to plan and prepare satisfying and interesting meals using the supplies and equipment needed in an outdoor environment. This course is the same as RRM-237H.
PE-237J Swift Water Rescue
3 Credits
Lecture: 1 hour per week, Lab: 4 hours per week
Offering: Fall Only, All Years
This course is designed to give students basic paddle and swift water rescue skills. The course teaches recognition and avoidance of common river hazards, execution of self-rescue techniques, and rescue techniques for paddlers in distress. Emphasis is placed both on personal safety and on simple, commonly used skills. Techniques for dealing with hazards that carry greater risks for both victim and rescuer, such as strainers, rescue vest applications, entrapments, and pins are also practiced. Scenarios will provide an opportunity for participants to practice their skills both individually and within a team/group context. Students will receive an American Canoe Association Level 4 Swift Water certificate. This course is the same as RRM-237J.
Recommended Prerequisites: PE-237C or RRM-237C

PE-241C Coaching Methods: Soccer
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, Odd Years
This course offers instruction in methods of soccer with emphasis on fundamentals, strategy, conditioning, and practical applications. This course is beneficial to students considering a career in physical education with a coaching option who will need an endorsement for coaching sports at the interscholastic level.

PE-241D Coaching Methods: Softball/Baseball
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course offers instruction in methods of softball and baseball with emphasis on fundamentals, strategy, conditioning, and practical application. This course is beneficial to students considering a career in physical education with a coaching option who will need an endorsement for coaching sports at the interscholastic level.

PE-241E Coaching Methods: Basketball
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course offers instruction in methods of basketball with emphasis on fundamentals, strategy, conditioning, and practical applications. This course is beneficial to students considering a career in physical education with a coaching option who will need an endorsement for coaching sports at the interscholastic level.

PE-241F Coaching Methods: Wrestling
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course offers instruction in methods of wrestling with emphasis on fundamentals, strategy, conditioning, and practical applications. This course is beneficial to students considering a career in physical education with a coaching option who will need an endorsement for coaching sports at the interscholastic level.

PE-242 Sports Officiating
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course is designed to provide students opportunities to acquire knowledge, skill, and experience to function effectively as a sports official. This course stresses philosophy of officiating, officiating tips, code of ethics for officials, dealing with aggressive behavior, and preventative officiating. Other topics covered include personal equipment, pre-game and game duties, post-game duties, rules and regulations, and proper field or floor mechanics. The goal is to develop confidence as an official in order to feel comfortable refereeing intramural, AAU, city recreation, and high school games.

PE-243 Play and Game Theory
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course offers instruction and practice in the principles of play and game strategy for high and low organization activities. It is beneficial for students considering a career in physical education or recreation.

PE-248 Athletic Injuries-Sports Medicine
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course offers instruction and practice in the care, prevention, and evaluation of injuries common to athletics. It is designed for PE majors, coaches, and individuals considering a career in athletic training or physical therapy.

PE-250 Clinical Athletic Training
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course offers a traditional work experience for students interested in the field of athletic training. Students will provide care for varsity athletes while being under the direct supervision of a certified athletic trainer. Special emphasis will be placed on taping, wrapping, evaluation, and rehabilitation techniques.
Prerequisites: PE-248, PE-288

PE-251 American Council of Exercise Personal Trainer Certification
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, Even Years
This course is designed to provide theoretical knowledge and practical skills in preparation for national certification exam in personal training. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming.
PE-253 ACE Group Fitness Instructor Certification

2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course is designed to provide theoretical knowledge and practical skills in preparation for a national certification exam in group fitness instruction. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the instructor-participant relationship, the principles of motivation to encourage adherence in the group fitness setting, effective instructor-to-participant communication techniques, methods for enhancing group leadership, and the group fitness instructor’s professional role.

PE-259 Lifeguard Training

2 Credits
Lecture: 2 hours per week
Offering: Fall and Spring Only, All Years
This course offers instruction for lifeguarding, waterpark lifeguarding, and waterfront lifeguarding. Skill development will cover rescue procedures and injury prevention. First Aid, CPR/AED, Emergency Oxygen, and blood borne pathogens prevention material will also be covered. Students may elect to qualify for American Red Cross (ARC) certification. To enroll, students must pass a rigorous swim test, demonstrating front crawl and breast strokes, treading water, and a timed retrieval of a 10 pound object from the deep end of the pool. For ARC certification, attendance of all sessions is required.

PE-288 First Aid

3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course offers instruction and practice in the emergency care for victims of injury or sudden illness. Students will have an opportunity to qualify for certification in First Aid and CPR. It is designed for students interested in safety, prevention, and first aid treatment.
Physical Therapist Assistant (PTAE)

PTAE-101 Physical Therapy in Health Care
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course studies the role of physical therapy in the health care world. Discussions include the role of the physical therapist assistant (PTA), the relationship between the PTA and the physical therapist (PT), and the delivery of physical therapy care. An introduction to the "patient/client" and the overall health care team is included. Health care ethics, standards specific to physical therapist assistants, diverse patient populations, and other topics are explored.
Corequisites: PTAE-107, PTAE-110, PTAE-211

PTAE-107 Kinesiology
4 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course will study human movement and the functional anatomy of the human body. The framework of musculoskeletal anatomy, muscle stabilization, balance, and function in daily activities is applied to physical therapy care. Normal and abnormal mechanics of body movement is explored. Students analyze tasks that span from simple activities of daily living to more complex occupational and athletic tasks.
Corequisites: PTAE-101, PTAE-107L, PTAE-110, PTAE-211

PTAE-107L Kinesiology Lab
0 Credits
Lab: 4 hours per week
Offering: Fall Only, All Years
This course is a corequisite lab for PTAE-107.
Corequisites: PTAE-107

PTAE-110 Principles and Procedures
3 Credits
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course develops competencies in treatment interventions used by physical therapist assistants. The rationale for treatment, progression of treatment, and working under the direction of the physical therapist are emphasized. Students learn skills such as bed mobility, range of motion, transfers, gait training, assistive device use, and wheelchair mobility. Infection control and safety for patients, self, and others are emphasized.
Corequisites: PTAE-101, PTAE-107, PTAE-110L, PTAE-211

PTAE-110L Principles and Procedures Lab
0 Credits
Lab: 4 hours per week
Offering: Fall Only, All Years
This course is a corequisite lab for PTAE-110.
Corequisites: PTAE-110

PTAE-113 Clinical Pathology
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
An overview of basic disease progression and classification with special emphasis on the inflammatory response are presented in this course. Exploration of pathologies that include: oncology, developmental and genetic diseases, hemodynamic disorders, nutritional pathology, infectious disease, cardiovascular and pulmonary disorders, lymphatic, endocrine, and dermatological disorders. Musculoskeletal and other pathologies treated with physical therapy interventions are also explored.
Prerequisites: PTAE-207, PTAE-208, PTAE-217
Corequisites: PTAE-215, PTAE-240

PTAE-204 Therapeutic Modalities
3 Credits
Lecture: 1 hour per week
Offering: Fall Only, All Years
This course provides an in-depth understanding of therapeutic modalities used as adjunts to physical therapy interventions. Students develop competence in the application of therapeutic modalities including heat, cold, electrotherapy, intermittent compression, massage, traction, and ultrasound. The use of hydrotherapy and various treatments for wound care are explored. Evidenced-based practice and indications/ contraindications are emphasized.
Prerequisites: PTAE-113, PTAE-215, PTAE-240
Corequisites: PTAE-204L, PTAE-221, PTAE-241

PTAE-204L Therapeutic Modalities Lab
0 Credits
Lab: 4 hours per week
Offering: Fall Only, All Years
This course is a corequisite lab for PTAE-204L.
Corequisites: PTAE-204

PTAE-207 Therapeutic Exercise
4 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course presents strengthening and conditioning principles and how these principles relate to rehabilitation of dysfunction. Students learn how range of motion, strength, endurance, power, speed, agility, balance, proprioception and kinesthesia relate to function and rehabilitation.
Prerequisites: PTAE-101, PTAE-107, PTAE-110, PTAE-211
Corequisites: PTAE-207L, PTAE-208, PTAE-217

PTAE-207L Therapeutic Exercise Lab
0 Credits
Lab: 4 hours per week
Offering: Spring Only, All Years
This course is a corequisite lab for PTAE-207.
Corequisites: PTAE-207
PTAE-208 Orthopedic Rehabilitation  
4 Credits  
Lecture: 2 hours per week  
Offering: Spring Only, All Years  
This course emphasizes development, progression, and understanding of therapeutic exercise and other treatment practices for patients with musculoskeletal pathologies. Only those students who have successfully completed previous PTAE program coursework are eligible to enroll in this course.  
Prerequisites: PTAE-101, PTAE-107, PTAE-110, PTAE-211  
Corequisites: PTAE-207, PTAE-208L, PTAE-217

PTAE-208L Orthopedic Rehabilitation Lab  
0 Credits  
Lab: 4 hours per week  
Offering: Spring Only, All Years  
This course is a corequisite lab for PTAE-208.  
Corequisites: PTAE-208

PTAE-211 Data Collections  
3 Credits  
Lecture: 1 hour per week  
Offering: Fall Only, All Years  
This course will develop competence in the skills of measurements used in physical therapy. The use of goniometers, blood pressure cuffs, grip meters, and other tools of measurement are included. Analyzing gait, posture, and measuring muscle strength are included. Lab assessments include the reporting of observable and measurable data and their significance to patient progress. Emphasis is given to effective oral and written communication for reporting and documentation.  
Corequisites: PTAE-101, PTAE-107, PTAE-110, PTAE-211L

PTAE-211L Data Collections Lab  
0 Credits  
Lecture: 4 hours per week  
Offering: Fall Only, All Years  
This course is a corequisite lab for PTAE-211.  
Corequisites: PTAE-211

PTAE-215 Special Populations  
3 Credits  
Lecture: 1 hour per week  
Offering: Fall Only, All Years  
This course introduces the therapeutic principles and practices underlying the treatment of patients with amputations, burns, cardiopulmonary pathologies and considerations, women's health issues, and selected age-specific disorders.  
Prerequisites: PTAE-207, PTAE-208, PTAE-217  
Corequisites: PTAE-113, PTAE-215L, PTAE-240

PTAE-215L Special Populations Lab  
0 Credits  
Lab: 4 hours per week  
Offering: Fall Only, All Years  
This course is a corequisite lab for PTAE-215.  
Corequisites: PTAE-215

PTAE-217 Neurological Rehabilitation  
4 Credits  
Lecture: 2 hours per week  
Offering: Spring Only, All Years  
This course guides students through the principles and practices used in the rehabilitation of individuals with neurological conditions. The principles incorporate musculoskeletal and neurological therapeutic exercise across the lifespan. Proprioceptive neuromuscular facilitation, neurodevelopmental theory and other facilitation techniques are learned. Pediatric training for developmental conditions is explored.  
Prerequisites: PTAE-101, PTAE-107, PTAE-110, PTAE-211  
Corequisites: PTAE-207, PTAE-208, PTAE-217L

PTAE-217L Neurological Rehabilitation Lab  
0 Credits  
Lab: 4 hours per week  
Offering: Spring Only, All Years  
This course is a corequisite lab PTAE-217.  
Corequisites: PTAE-217

PTAE-221 Seminar  
2 Credits  
Lecture: 2 hours per week  
Offering: Spring Only, All Years  
Psychosocial considerations are reviewed with application to cultural/gender/aging/family dynamics in relation to disease, dysfunction, death and dying, and the grieving process. In addition, caregiver self-care, assertive communication, and clinical burnout are presented. Includes an introduction to effective administration aspects of varied physical therapy environments. Preparation for entering the physical therapy workplace is also explored. A review of the required text with an emphasis on board exam study and test-taking strategies in included.  
Prerequisites: PTAE-113, PTAE-215, PTAE-240  
Corequisites: PTAE-204, PTAE-241

PTAE-240 Clinical Affiliation 1  
7 Credits  
Internship: 21 hours per week  
Offering: Fall Only, All Years  
An eight week, full-time clinical experience in a physical therapy clinical environment. Students use the competencies learned in the PTA technical courses to assist with treatment of patients/clients. Patient treatment, progression, rationale, and critical thinking are practiced in a supervised setting.  
Prerequisites: PTAE-207, PTAE-208, PTAE-217  
Corequisites: PTAE-113, PTAE-215

PTAE-241 Clinical Affiliation 2  
7 Credits  
Internship: 21 hours per week  
Offering: Spring Only, All Years  
An eight week, full-time final clinical experience in a physical therapy environment. Students use the competencies learned in their PTA technical courses to assist with the treatment of patients/clients. Patient treatment, progression, rationale, and critical thinking are practiced in a supervised setting.  
Prerequisites: PTAE-113, PTAE-215, PTAE-240  
Corequisites: PTAE-204, PTAE-221
Physics (PHYS)

PHYS-101  Fundamentals of Physical Science
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is designed for the non-science major interested in an overview of the physical sciences and in developing an appreciation for the nature of the physical universe. It includes physics, chemistry, astronomy, and geology and their relation to the world and universe in which we live.
Corequisites: PHYS-101L

PHYS-103  Elementary Astronomy
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is an introductory study of astronomy. Topics include the history of astronomy; the motions and physical properties of the sun, moon, and Earth; the electromagnetic spectrum; solar system planets, satellites, and minor bodies; stars; galaxies; evolution of the solar system; the universe; and cosmology.
Corequisites: PHYS-103L

PHYS-111  General Physics I
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Fall and Spring Only, All Years
This course is the study of mechanics, sound, linear and rotational motion momentum, energy, vectors, elasticity, vibration, and mechanical wave motion.
Prerequisites: MATH-147, or MATH-143 and MATH-144, or an appropriate score on a placement test.
Corequisites: PHYS-111L

PHYS-112  General Physics II
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course is the study of electricity and magnetism, light, optics, and modern physics.
Prerequisites: PHYS-111 or PHYS-211
Corequisites: PHYS-112L

PHYS-211  Engineering Physics I
5 Credits
Lecture: 4 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course envelops the study of kinematics and dynamics, Newton's Laws, work and energy, rotational dynamics, linear and angular momentum, collisions, static equilibrium, oscillations, gravity, central forces, fluid dynamics, and sounds waves.
Prerequisites: MATH-147, or MATH-143 and MATH-144, or an appropriate score on a placement test.
Corequisites: PHYS-211L
Pre/Corequisites: MATH-170

PHYS-212  Engineering Physics II
5 Credits
Lecture: 4 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course is the study of heat and thermodynamics, electric and magnetic fields and potentials, DC and AC circuits, electromagnetic waves, and geometric and physical optics.
Prerequisites: MATH-170, PHYS-211
Corequisites: PHYS-212L
Pre/Corequisites: MATH-175
Political Science (POLS)

POLS-101 American National Government
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is the study of the foundation of the United States government and the evolution of constitutional principles. Special attention is given to the Declaration of Independence, the United States Constitution, the three branches of national government, powers and limits of national government, civil rights, political parties, campaigns, political participation, interest groups, media, public opinion, and select public policies. This is an essential course for students majoring in political science, pre-law, or law enforcement.

POLS-105 Introduction to Political Science
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is designed to introduce students to several areas of political science such as international relations, comparative politics, political philosophy, and research methods. Important theories and models to politics will be introduced as well as how political science study is conducted. Students typically will be required to write a literature review on a political topic of their choice and offer suggestions on how future research could be conducted. This course addresses cultural diversity by giving students an introduction into different philosophies of government and how various political systems of the world may be organized. This course is ideal for anyone interested in political science.

Recommended Prerequisites: ENGL-101

POLS-208 Political and Social Philosophy
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course examines the most influential thinkers in the tradition of Western political philosophy. What we understand today as representative government, democracy, communism, socialism, and capitalism are the institutional manifestations of such noteworthy minds as Aristotle, Plato, Jean-Jacques Rousseau, John Locke, James Madison, Niccolo Machiavelli, Thomas Hobbes, Adam Smith, Alexis de Tocqueville, Karl Marx, and Chantal Delsol. Students taking this course will come to appreciate the powerful influence philosophy has had on the shape and structure of the various competing modern political traditions and ideologies. The class will conduct a thorough examination of each thinker's perspective on such issues as the ideal structure of government, the role of human nature in political theory, the relationship between freedom and authority, the role that equality, inequality, economics, and power play in politics, and the competing definitions of political legitimacy. Students taking this course will be well-equipped to defend their own positions in the contemporary debates over issues of social and political justice. This course is the same as PHIL-205.
Prerequisites: ENGL-101 or an appropriate score on a placement test.
Recommended Prerequisites: PHIL-101

POLS-237 International Politics and Problems
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course examines the causes of war and the determinants of peace between nations. Special attention is also devoted to the future prospects or roadblocks toward global governance. Students will learn about various topics that nations face when relating to each other such as foreign policy, development, human rights, terrorism, energy, the environment, and international economic issues. The major theories of international relations and the assumptions that are important to each theory are discussed. The United Nations and other international organizations will be introduced along with the covenants and treaties that such groups administer. This course is ideal for anyone interested in global politics.

POLS-275 State and Local Government
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course uses a comparative approach to examine the characteristics and qualities of both state and local governments. Emphasis is placed on how local and state governments are organized and how they operate. Additional issues that are examined from a state and local government context include federalism, the role of political parties, participation, land use, finances, and various policies that are important to government at the state and local levels.

POLS-298 Political Involvement Practicum
1-6 Credits
Practicum: 1 hour per week
Offering: Fall, Spring, and Summer, All Years
This course offers credit for involvement and service to government, political parties or other entities that may offer a student political or legal experience. Typically, students volunteer as an intern. The goals of this practicum are to gain practical knowledge of politics and provide service to the community. Requirements include supervision by a representative of the hosting organization and an NIC political science instructor. Permission of the instructor is required and enrollment is dependent on the instructor and student finding a suitable position. Students should contact the instructor several weeks or more before enrollment, as some opportunities require specific applications and background checks.
Practical Nursing (PN)

PN-110 Practical Nursing Theory I
6 Credits
Lecture: 6 hours per week
Offering: Fall Only, All Years
This course includes an introduction to the fundamentals of nursing and therapeutic skills and uses a lifespan approach to help students understand the theory of oxygenation, circulation, nutrition, fluid balance, elimination, activity, and safety needs of patients of all ages. This course applies principles in providing care for psychiatric, geriatric, and maternal-newborn patients.
Corequisites: PN-110L

PN-110L Practical Nursing Lab I
5 Credits
Lab: 15 hours per week
Offering: Fall Only, All Years
This course correlates with PN-110 Practical Nursing Theory I through supervised practice providing patient care. This class utilizes the campus laboratory for skills practice and clinical settings such as care facilities, behavioral health centers, and home health agencies for actual practice. It comprises a progression of nursing skills.
Corequisites: PN-110

PN-111 Practical Nursing Theory II
7 Credits
Lecture: 7 hours per week
Offering: Spring Only, All Years
This course explores nursing responsibilities in more complex diseases of major body systems. Medical-surgical, pediatric nursing, IV therapy, phlebotomy and blood administration are covered.
Prerequisites: PN-110, PN-110L
Corequisites: PN-111L

PN-111L Practical Nursing Lab II
5 Credits
Lab: 15 hours per week
Offering: Spring Only, All Years
This course correlates with PN-111 Practical Nursing Theory II through supervised practice in clinical settings. Students may rotate through medical-surgical, pediatric units, operating room, recover room, short stay unit, minor care, EKG, respiratory therapy, clinics, and physician offices. IV therapy certification is included.
Corequisites: PN-111

PN-112 Practical Nursing Theory III
2 Credits
Lecture: 2 hours per week
Offering: Summer Only, All Years
This course covers emergency nursing, oncology, advanced concepts of geriatric care and nursing management/leadership. A review of all previous nursing theory will be provided.
Prerequisites: PN-111, PN-111L
Corequisites: PN-112L

PN-112L Practical Nursing Lab III
4 Credits
Lab: 12 hours per week
Offering: Summer Only, All Years
This course is a supervised clinical experience that takes place in various health care settings including acute care hospitals, nursing homes, and physicians’ offices. Students complete a clinical preceptorship in a chosen field of interest.
Corequisites: PN-112:
Psychology (PSYC)

PSYC-101 Introduction to Psychology
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides students with a general overview of the science which seeks to understand and explain behavior and mental processing. Variations in psychology faculty training and research interest influence topic emphasis. However, students will be introduced to many of the major contemporary theories and concepts in psychology. This course will prove interesting and useful to those students wishing to better understand human behavior and thinking. It should prove helpful to students preparing for a career that will bring them into contact with other people.

PSYC-205 Developmental Psychology
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course covers the full spectrum of human development from conception through death. Students examine the biological, cognitive, and social aspects of an individual's development. Individual faculty preparation will determine areas of emphasis. This course is valuable to students pursuing a career that will necessitate working with and being sensitive to people of various ages (teachers, social workers, nurses, law enforcement officers, etc.).
Prerequisites: PSYC-101

PSYC-210 Psychology of Personality
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is a study of theory and research of the normal personality including basic concepts, techniques of measurement, and relevant findings. This course surveys the major theories of personality, including trait, psychodynamic, humanistic, cognitive, and behavioral perspectives.
Prerequisites: PSYC-101

PSYC-211 Abnormal Psychology
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course provides a study of the nature, cause, treatment, and prevention of patterns of emotional disturbance and personality disorganization. It introduces the major categories of mental disorders as defined in the DSM.
Prerequisites: PSYC-101

PSYC-218 Introduction to Research in the Behavioral Sciences
4 Credits
Lecture: 3 hours per week, Lab: 2 hours per week
Offering: Spring Only, All Years
This course is primarily designed for behavioral and social science majors. In this course, students will be introduced to the basic methods of behavioral research. This will be accomplished through active participation in the design, implementation, and analysis of class research projects. This course involves three hours of lecture and a two-hour lab per week. This course is applicable for those students who plan to pursue an undergraduate and graduate degree in one of the behavioral or social sciences.
Prerequisites: PSYC-101
Corequisites: PSYC-218L
RADT-111 Introduction to Radiography
5 Credits
Lecture: 3 hours per week
Offering: Fall Only, Odd Years
This course orients students to the radiographic profession and introduces a grouping of fundamental principles, practices, and issues common to many specializations in the healthcare profession. In addition to the essential skills, students explore various healthcare delivery systems and related issues. Emphasis will be placed on patient care with consideration of both physical and psychological conditions. Topics covered in this course include: ethics, medical and legal considerations, Right to Know Law, professionalism, basic principles of radiation protection, basic principles of exposure, equipment introduction, health care delivery systems, hospital and departmental organization, hospital and technical college affiliation, medical emergencies, pharmacology/contrast agents, media, OR and mobile procedures patient preparation, death and dying, body mechanics/transportation, and patient care in radiologic sciences.
Prerequisites: BIOL-227, BIOL-228, CAOT-179, COMM-101, ENGL-101, GEM 3, PSYC-101 or SOC-101
Corequisites: RADT-111L, RADT-112, RADT-113

RADT-111L Introduction to Radiology Lab
0 Credits
Lab: 4 hours per week
Offering: Fall Only, Odd Years
This course is a corequisite lab for RADT-111.
Corequisites: RADT-111

RADT-112 Radiographic Procedures I
4 Credits
Lecture: 3 hours per week
Offering: Fall Only, Odd Years
This course introduces the knowledge required to perform radiologic procedures applicable to the human anatomy. Emphasis will be placed on the production of quality radiographs, and laboratory experience will demonstrate the application of theoretical principles and concepts. Topics include: introduction to radiographic procedures; positioning terminology; positioning considerations; procedures, anatomy, and topographical anatomy related to chest and abdomen cavities, bony thorax, upper extremities, shoulder girdle; and lower extremities.
Prerequisites: BIOL-227, BIOL-228, CAOT-179, COMM-101, ENGL-101, GEM 3, PSYC-101 or SOC-101
Corequisites: RADT-111, RADT-112L, RADT-113

RADT-112L Radiographic Procedures I Lab
0 Credits
Lab: 3 hours per week
Offering: Fall Only, Odd Years
This course is a corequisite for RADT-112.
Corequisites: RADT-112

RADT-113 Principles of Radiation Biology and Protection
3 Credits
Lecture: 2 hours per week
Offering: Fall Only, Odd Years
This course introduces students to the principles of cell radiation interaction. The radiation effects on cells and factors affecting cell response are presented. Acute and chronic effects of radiation exposure are discussed. Topics include radiation detection and measurement; patient protection; personnel protection; absorbed dose equivalencies; agencies and regulations; introduction to radiation biology; cell anatomy, radiation/cell interaction; and effects of radiation.
Prerequisites: BIOL-227, BIOL-228, CAOT-179, COMM-101, ENGL-101, GEM 3, PSYC-101 or SOC-101
Corequisites: RADT-111, RADT-112, RADT-113L

RADT-113L Principles of Radiation Biology and Protection Lab
0 Credits
Lab: 2 hours per week
Offering: Fall Only, Odd Years
This course is a corequisite for RADT-113.
Corequisites: RADT-113

RADT-114 Radiographic Procedures II
4 Credits
Lecture: 3 hours per week
Offering: Spring Only, Even Years
This course continues to develop the knowledge required to perform radiographic procedures in the laboratory and clinical setting. Topics include: anatomy and routine projections of the pelvic girdle; anatomy and routine projections of the spine, gastrointestinal (GI) procedures; genitourinary (GU) procedures; and biliary system procedures.
Prerequisites: RADT-111, RADT-112, RADT-113
Corequisites: RADT-114L, RADT-115, RADT-116

RADT-114L Radiographic Procedures II Lab
0 Credits
Lab: 3 hours per week
Offering: Spring Only, Even Years
This course is a corequisite for RADT-114.
Corequisites: RADT-114

RADT-115 Radiologic Physics Equipment
3 Credits
Lecture: 2 hours per week
Offering: Spring Only, Even Years
This course introduces students to basic knowledge of atomic structure and terminology. Other topics include the nature and characteristics of x-radiation; ionizing and non-ionizing radiation; x-ray production; the properties of x-rays and the fundamentals of x-ray photon interaction with matter. In addition, students will gain knowledge in radiographic, fluoroscopic and mobile equipment requirements and design, Automatic Exposure Control (AEC) devices, beam restriction, filtration, quality control, and quality management principles of analog and digital systems. Laboratory experiences will demonstrate applications of theoretical principles and concepts.
Prerequisites: RADT-111, RADT-112, RADT-113
Corequisites: RADT-114, RADT-115L, RADT-116
### RADT-115L Radiologic Physics Equipment Lab
**0 Credits**
**Lab:** 2 hours per week  
**Offering:** Spring Only, Even Years  
This course is a corequisite for RADT-115.

### RADT-116 Clinical Radiography I
**6 Credits**
**Internship:** 18 hours per week  
**Offering:** Spring Only, Even Years  
This course introduces students to the hospital clinical setting and provides an opportunity for students to participate in or observe radiographic procedures learned in RADT112/112L. Topics include: orientation to hospital areas and procedures; orientation to mobile/surgery; orientation to radiography and fluoroscopy; participation in and/or observation of procedures related to body cavities, the shoulder girdle, upper extremities, and lower extremities. Student activities are under direct supervision.

**Prerequisites:** RADT-111, RADT-112, RADT-113  
**Corequisites:** RADT-114, RADT-115

### RADT-118 Radiographic Procedures III
**4 Credits**
**Lecture:** 3 hours per week  
**Offering:** Summer Only, Even Years  
This course continues to introduce and develop the knowledge required to perform radiographic procedures. Topics include: anatomy and routine projections of the cranium; anatomy and routine projections of the facial bones; anatomy and routine projections of the sinuses; sectional anatomy of the head, neck, thorax and abdomen. This course includes a lecture, lab section, and an oral presentation.

**Prerequisites:** RADT-114, RADT-115, RADT-116  
**Corequisites:** RADT-118L, RADT-119

### RADT-118L Radiographic Procedures III Lab
**0 Credits**
**Lab:** 3 hours per week  
**Offering:** Summer Only, Even Years  
This course is a corequisite for RADT-118.

**Corequisites:** RADT-118

### RADT-119 Clinical Radiography II
**4 Credits**
**Internship:** 12 hours per week  
**Offering:** Summer Only, Even Years  
This course continues introductory student learning experiences in the hospital setting. Topics include: equipment utilization; exposure techniques; attend to and/or observation of routine projections of the lower extremities, pelvic girdle, and spine; attend to and/or observation of procedures related to the gastrointestinal (GI), genitourinary (GU), and biliary systems; and attend to and/or observation of minor radiologic procedures. Execution of radiographic procedures will be conducted under direct and indirect supervision.

**Prerequisites:** RADT-114, RADT-115, RADT-116  
**Corequisites:** RADT-118

### RADT-211 Radiographic Imaging
**4 Credits**
**Lecture:** 3 hours per week  
**Offering:** Fall Only, Even Years  
This course introduces factors that govern and influence the production of the radiographic image using analog and digital radiographic equipment found in diagnostic radiology. Emphasis will be placed on knowledge and techniques required to produce high quality diagnostic radiographic images. Topics include: Image quality (radiographic density; radiographic contrast; recorded detail; distortion; grids; image receptors and holders (analog and digital); processing considerations (analog and digital); image acquisition (analog, digital, and PACS); image analysis; and image artifacts (analog and digital). Guidelines for selecting exposure factors and evaluating images within a digital system will assist students to bridge between film-based and digital imaging systems. Factors that impact image acquisition, display, archiving and retrieval are discussed. Laboratory experiences will demonstrate applications of theoretical principles and concepts.

**Prerequisites:** RADT-118, RADT-119  
**Corequisites:** RADT-211L, RADT-220

### RADT-211L Radiographic Imaging Lab
**0 Credits**
**Lab:** 2 hours per week  
**Offering:** Fall Only, Even Years  
This course is a corequisite for RADT-211.

**Corequisites:** RADT-211

### RADT-220 Clinical Radiography III
**8 Credits**
**Internship:** 24 hours per week  
**Offering:** Fall Only, Even Years  
This course provides students with continued hospital setting work experience. Students continue to develop proficiency in executing procedures introduced in Radiographic Procedures. Topics include: patient care; behavioral and social competencies; performance and/or observation of minor special procedures; special equipment use; and participation in and/or observation of cranial and facial radiography. Execution of radiographic procedures will be conducted under direct and indirect supervision.

**Prerequisites:** RADT-118, RADT-119  
**Corequisites:** RADT-211
RADT-221 Clinical Radiography IV

10 Credits

Internship: 30 hours per week
Offering: Spring Only, Odd Years

This course provides students with continued hospital setting work experience. Students demonstrate increased proficiency levels in skills introduced in all of the radiographic procedures courses and practiced in previous clinical radiography courses. Topics include: patient care; behavioral and social competency; advanced radiographic anatomy; equipment utilization; exposure techniques; sterile techniques; integration of procedures and/or observation of angiographic, interventional, minor special procedures; integration of procedures and/or observation of special equipment use; integration of procedures and/or observation of routine and special radiographic procedures; and final completion of all required clinical competencies. Execution of radiographic procedures will be conducted under direct and indirect supervision.

Prerequisites: RADT-211, RADT-220
Corequisites: RADT-222

RADT-222 Radiologic Technology Review

2 Credits

Directed Study: 2 hours per week
Offering: Spring Only, Odd Years

This course provides a review of basic knowledge from previous courses and helps the student prepare for national certification examinations for radiographers. Topics include: image production and evaluation; radiographic procedures; anatomy, physiology, pathology, and terminology; equipment operation and quality control; radiation protection; and patient care and education.

Prerequisites: RADT-211, RADT-220
Corequisites: RADT-221
Resort Recreation Management (RRM)

RRM-110 Wilderness First Responder
3 Credits
Lecture: 1 hour per week, Lab: 4 hours per week
Offering: Fall Only, All Years
This course is designed for students who will be working with groups in the backcountry setting as a professional level. Course content will address the issues of long-term patient care, survival skills, and backcountry rescue techniques. Upon successful completion, students will be certified as Wilderness First Responders and in CPR. Lectures are combined with practical applications through a variety of hands-on simulations and activities. This course is highly recommended for guides, trip leaders, camp counselors, hunters, rescue team members, outdoor recreation enthusiasts, and anyone who spends considerable time in the wilderness or other remote settings. Enrollment in this course is restricted to career and technical students who are declared majors in a program for which it is required (see program requirements in current catalog).

RRM-125 Wilderness Ethics and Interpretation
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course will have two distinct parts. First, the concepts of wilderness ethics such as Leave No Trace and the Wilderness Act will be introduced and discussed. The remainder of the course will be focused on communicating these concepts to audiences in natural resource situations. Communication skills, including environmental and cultural interpretation and multi-media presentation, will be covered through discussion and practice. Enrollment in this course is restricted to career and technical students who are declared majors in a program for which it is required (see program requirements in current catalog).

RRM-140 Leadership Principles
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an introduction to the principles of leadership and its relationship to management. Emphasis will be on leadership techniques, group dynamics, facilitation styles, problem-solving, decision making and communication techniques needed to inspire and influence. Students will apply leadership styles through experiential and group practice. Enrollment in this course is restricted to career and technical students who are declared majors in a program for which it is required (see program requirements in current catalog). This course is the same as HOSP-140.

RRM-195 Backcountry Winter Skills
3 Credits
Lecture: 1 hour per week, Lab: 4 hours per week
Offering: Spring Only, Even Years
This course is designed to prepare students for backcountry winter recreational travel and living. Students will learn about assessing avalanches, practice movement on snow, yurt living and snow camping. Students will understand the proper gear and clothing needed for safe winter travel.

RRM-225 Event Planning and Management
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course identifies the elements of event management and planning. Students will learn about different types of events, venues, step-by-step planning, and the management skills required to communicate with various stakeholders in the process. Enrollment in this course is restricted to career and technical students who are declared majors in a program for which it is required (see program requirements in current catalog). This course is the same as HOSP-225.

RRM-230 Leisure and Recreation Programming
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course provides a comprehensive plan for successful programming of services, program leadership, and understanding operational management of program systems in recreation and leisure service organizations. The course provides a systematic plan for students to learn the essentials of successful recreation programming with examples of a variety of activities in community, outdoor, sport, cultural arts, and tourism sectors of the field. Enrollment in this course is restricted to career and technical students who are declared majors in a program for which it is required (see program requirements in current catalog).

RRM-234 Team Dynamics
3 Credits
Lecture: 1 hour per week, Lab: 4 hours per week
Offering: Fall Only, All Years
This course is designed to introduce students to the design and application of a challenge course, and to train students in the technical skills required to instruct and sequence various activities on a challenge course. Topics include team building, equipment, individual element description and safety, belay techniques, activity introduction and framing, spotting techniques, instructor awareness, activity variations and introductory processing, inspection, maintenance, emergency procedures, participant screening, accident reporting, and rescue skills. This course is the same as PE-234.

RRM-235 Outdoor Gear Maintenance
3 Credits
Lecture: 1 hour per week, Lab: 4 hours per week
Offering: Spring Only, All Years
This class will provide instruction on the history, care, and repair of equipment used in outdoor recreation. Students will receive hands-on instruction working with whitewater rafting and expedition equipment, cycling, winter sport, and camping, clothing, and climbing gear. These skills benefit the private enthusiast and aspiring outdoor professional alike.

RRM-237A Wilderness Backpacking
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course teaches skills and knowledge needed for camping and traveling in a wilderness environment with special attention given to trip leadership. The course focuses on trip leadership, minimum-impact techniques, wilderness navigation, equipment selection, and safety issues. This course is the same as PE-237A.
RRM-237B Wilderness Survival  
3 Credits  
Lecture: 3 hours per week  
Offering: Spring Only, All Years  
This course provides students with basic life-support skills and knowledge to predict and prepare for emergencies encountered in a wilderness environment. Focus is on emergency procedures, life-support skills, signaling, equipment selection, and safety issues. This course is the same as PE-237B.

RRM-237C Whitewater Guiding  
3 Credits  
Lecture: 1 hour per week, Lab: 4 hours per week  
Offering: Spring Only, All Years  
This course develops whitewater guiding skills and competencies through hands-on experience with special attention given to the safety concerns of whitewater rafting. The skill and competencies include trip leadership, risk management, reading whitewater, maneuvering rafts, swift water rescue, and outfitting. This course is the same as PE-237C.

RRM-237D Mountaineering  
3 Credits  
Lecture: 1 hour per week, Lab: 4 hours per week  
Offering: Spring Only, All Years  
This course provides a foundation of mountaineering skills with special attention given to trip leadership. Focus is also on snow and glacier travel, avalanche awareness, winter camping, backcountry travel, rock climbing, minimum-impact techniques, equipment selection, and safety issues. This course is the same as PE-237D.

RRM-237E Outdoor Programming and Leadership  
3 Credits  
Lecture: 3 hours per week  
Offering: Fall Only, All Years  
This course develops the skills and knowledge needed for leading and programming outdoor adventure sports with special attention given to leadership and teaching methods. This course will focus on trip leadership, risk management, teaching methods, group dynamics, communication, activity selection, and methods of programming. This course is the same as PE-237E.

RRM-237F Outdoor Navigation  
3 Credits  
Lecture: 1 hour per week, Lab: 4 hours per week  
Offering: Fall Only, All Years  
This course is designed to introduce students to the importance of using a map and compass while working and recreating. It will cover the reading of forest service and topographical maps which include symbols, legends, border information, and contour lines. The course includes the use of magnetic compasses and GPSs in an outdoor environment and functions that plot a course on maps. Supplemental navigation skills are included. This course is the same as PE-237F.

RRM-237G Avalanche Level I  
1 Credit  
Lecture: 1 hour per week, Lab: 2 hours per week  
Offering: Spring Only, All Years  
This course will develop a good grounding in how to prepare for and carry out a trip, to understand basic decision making while in the field, and to learn rescue techniques required to find and retrieve a buried person in avalanche country. This course is the same as PE-237G.

RRM-237H Introduction to Outdoor Cooking  
3 Credits  
Lecture: 3 hours per week  
Offering: Spring Only, All Years  
The course is designed to teach the basic skills needed to cook meals in an outdoor setting. Students will learn to plan and prepare satisfying and interesting meals using the supplies and equipment needed in an outdoor environment. This course is the same as PE-237H.

RRM-237J Swift Water Rescue  
3 Credits  
Lecture: 1 hour per week, Lab: 4 hours per week  
Offering: Fall Only, All Years  
This course is designed to give students basic paddle and swift water rescue skills. The course teaches recognition and avoidance of common river hazards, execution of self-rescue techniques, and rescue techniques for paddlers in distress. Emphasis is placed both on personal safety and on simple, commonly used skills. Techniques for dealing with hazards that carry greater risks for both victim and rescuer, such as strainers, rescue vest applications, entrapments, and pins are also practiced. Scenarios will provide an opportunity for participants to practice their skills both individually and within a team/group context. Students will receive an American Canoe Association Level 4 Swift Water certificate. This course is the same as PE-237J.

Recommended Prerequisites: PE-237C or RRM-237C

RRM-237K Risk Management in the Resort Industry  
3 Credits  
Lecture: 3 hours per week  
Offering: Fall Only, All Years  
This course helps students appreciate and understand both the needs and techniques for identifying and managing risks to employees, guests, and property in the resort industry. This course focuses on identification and control of risk, incident investigation, and increasing employee and public awareness of potential risk. This course is the same as HOSP-250.

RRM-290 Resort Recreation Management Internship  
3 Credits  
Internship: 9 hours per week  
Offering: Fall and Spring Only, All Years  
This course provides supervised training in program skills through on-the-job experience in a program-related site. This course provides practical application of skills learned as a part of the learning process. It involves 135 hours of on-site training. It is a required course in the Resort/Recreation Management program and is graded on a satisfactory/unsatisfactory basis.
Social Work (SOWK)

SOWK-240 Introduction to Social Work
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course presents a survey of social welfare and human service programs in the United States as a response to problems and needs within society. Issues relating to historical and contemporary social service institutions and their place in both an ethical and public context are examined. The course begins the professional foundation for social work.

SOWK-241 Social Work Generalist Practice
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of SOWK-240 which introduced students to the social work profession in relation to social services in a social welfare system context. Elementary social work processes focus on an overview of the theoretical knowledge and methodological skills necessary for entry level practice in social work. Topics covered include generalist practice; social work values; principles of interviewing; assessment; confidentiality; contemporary theories of counseling; social work with individuals, groups, families and community practice; evaluation; general systems theory; cross cultural social work; working within a bureaucratic system; burnout; and the frustrations and satisfactions of being a social worker. Case examples are discussed and role-played to apply the theory that is presented.
Recommended Prerequisites: SOWK-240
Sociology (SOC)

SOC-101 Introduction to Sociology
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course introduces students to the academic field of sociology. Sociology is a broad discipline, which employs scientific methodology to study society. Students are exposed to introductory concepts, theories, and methods used in contemporary sociology. Upon successful completion of this course, students will have a basic understanding of the sociological perspective and the ways in which the discipline understands and explains human behavior at all levels of society. The course also provides students with a sociological toolkit that they can utilize to understand themselves and their world; the theories, concepts, and ideas covered in this class will help students recognize the connection between self and society, biography and history, as well as the individual and social structures.

SOC-102 Social Problems
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course applies sociological concepts and methods of analysis to current social problems in the United States. Topics of study include issues such as racism, social inequality, crime and environmental degradation. This course is recommended for students entering the fields of sociology, counseling, social work and justice studies.

SOC-220 Marriage and Family
3 Credits
Lecture: 3 hours per week
Offering: Fall, Spring, and Summer, All Years
This course is designed to help students understand more about marriage and family life processes. Students will examine values, needs, and responsibilities as they relate to intimacy, the selection of partners, cohabitation and marriage, family planning choices, parenting, family economics, and interpersonal communication. Students will also address the issues of family violence, divorce, and the restructuring of new families. This course will be helpful to those who wish to have more knowledge about relationship, marriage, and family issues or those who are entering such fields as counseling and social work.

SOC-245 Introduction to Criminology
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course introduces students to the study of criminology by exploring a broad range of issues related to crime and criminal behavior. The course reviews the theoretical foundations and relevant research for understanding the causes of crime, criminal behavior, and systems of punishment within society. This course is the same as CJ-245.

SOC-251 Race and Ethnic Relations
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course examines the historical and current social construction of race and ethnicity in shaping social relations within the United States and globally. The primary focus of this course is to explore racial and ethnic inequalities by applying sociological theoretical perspectives. This course will be helpful for individuals seeking to understand the changing racial and ethnic demographics of the United States and globally, as well to those going into sociology, social work, health care, political science, criminal justice or counseling fields.

Recommended Prerequisites: SOC-101

SOC-296 Introduction to Sociology of Gender
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course explores ideas about gender and gendered systems of relationships embedded in society, politics, economics, culture, history, and media in the United States. From a variety of sociological perspectives and theories, it sets out to explore gender constructions by using the sociological imagination to investigate contemporary gender-related social problems. It also looks at the various ways in which gendered institutions have been produced and perpetuated to maintain specific power dynamics and hierarchies. Additionally, this course looks at the ways in which gender ideologies intersect with other socially and culturally constructed categories of identity such as race, class, sexuality, and disability.

Recommended Prerequisites: ENGL-101, SOC-101
Social Science (SOSC)

SOSC-298 Social Science Practicum
3 Credits

Internship: 9 hours per week
Offering: Fall and Spring Only, All Years

This course provides planned and supervised field experience in a social sciences/human services environment, providing students with an opportunity to work in an agency/organization related to their academic interest and early career goals. The practicum requires a minimum 135 hours in a supervised field experience, content includes identification of practicum objectives for student in consultation with the site supervisor and faculty supervisor. Focus is on supervised practical work experience to develop an understanding of social science/human services fields. This practicum is repeatable for up to 12 credits. Instructor permission required.
Spanish (SPAN)

SPAN-101 Elementary Spanish I
5 Credits
Lecture: 5 hours per week
Offering: Fall and Spring Only, All Years
This course includes the introductory study of vocabulary, grammar, and pronunciation. It emphasizes the development of proficiencies in speaking, reading, listening, and writing. Students will enhance their understanding of the language, culture, and geography of the Hispanic world. A laboratory is included.

SPAN-102 Elementary Spanish II
5 Credits
Lecture: 5 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of SPAN-101, emphasizing further development of basic language fluency. A laboratory is included in the course.
Prerequisites: SPAN-101

SPAN-103 Self-Guided Language Study in Spanish
1 Credit
Lecture: 1 hour per week
Offering: Spring Only, All Years
This course provides individualized, self paced practice in Spanish and is intended to provide students with additional language study and skills development through the use of the Language Lab. It is for students who plan to enter a more advanced language course or who have taken all available language courses. It may be repeated for a total of two credits and is graded on a satisfactory/unsatisfactory basis. This course is an elective supplement to classroom studies.

SPAN-201 Intermediate Spanish I
4 Credits
Lecture: 4 hours per week
Offering: Fall and Spring Only, All Years
This course further develops Spanish fluency with emphasis on conversation, reading, grammar, and composition. The culture and literature of Spain and Latin America are included. This course provides a continuation and refinement of language skills and greater depth in the study of cultural aspects. Laboratory work is included.
Prerequisites: SPAN-102

SPAN-202 Intermediate Spanish II
4 Credits
Lecture: 4 hours per week
Offering: Fall and Spring Only, All Years
This course is a continuation of SPAN-201. Laboratory work is included.
Prerequisites: SPAN-201

SPAN-205 Intermediate Spanish Conversation
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is for students who wish to further their conversational skills in Spanish at the intermediate level. The emphasis is on the development of oral and written discourse skills, and on the acquisition of cultural and linguistic knowledge related to specific Spanish-speaking countries. This course is conducted entirely in Spanish.
Pre/Corequisites: SPAN-202
Surgical Technology (SURG)

SURG-101 Foundations of Surgical Technology
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course introduces the roles of the various surgical team members and orients students to the basic organization of healthcare facilities. Topics include the study of the perioperative healthcare team and its language; the evolution and basic principles of patient care; ethical, moral, and legal responsibilities; and the physical characteristics of the operating room suite, as well as, the responsibilities of assisting with the preparation, transportation, and positioning of the surgical patient.

SURG-105 Care of the Surgical Patient
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course covers basic concepts related to preoperative care including both physical and psychosocial needs of the surgical patient. Students learn physical transportation and positioning of the surgical patient, chart review, and documentation needs.
Prerequisites: BACT-250, BIOL-175 or BIOL-228, CAOT-179, One GEM 3 course
Corequisites: SURG-120, SURG-130
Pre/Corequisites: SURG-101

SURG-109 Pharmacology for the Surgical Technologist
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course focuses on the use and stages of anesthesia. Students learn the attributes, preparation, and calculation of drugs and solutions commonly used during surgical procedures.
Prerequisites: SURG-105, SURG-120, SURG-130
Corequisites: SURG-121, SURG-131, SURG-140

SURG-120 Fundamentals of Surgical Technology I
6 Credits
Lecture: 4 hours per week, Lab: 6 hours per week
Offering: Fall Only, All Years
This course focuses on applied principles of medical and surgical asepsis in the operating room. Students learn to prepare and maintain the sterile field including identification, care, and handling of instruments, suture, supplies, and equipment. Emphasis is on basic skills of the surgical technologist in preparation for and during the operative procedure.
Corequisites: SURG-105, SURG-120L, SURG-130
Pre/Corequisites: SURG-101

SURG-120L Fundamentals of Surgical Technology I Lab
0 Credits
Lab
Offering: Fall Only, All Years
This course is a corequisite lab for SURG-120.
Corequisites: SURG-120

SURG-121 Fundamentals of Surgical Technology II
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
As a continuation of SURG-120, this course offers a study of the use of robotics, endoscopic instruments, lasers, and specialty equipment. In addition, students will learn the principles of electricity and physics, various tissue replacement materials, management of emergency situations, and methods of disinfection and sterilization.
Prerequisites: SURG-105, SURG-120, SURG-130
Corequisites: SURG-109, SURG-121L, SURG-131, SURG-140

SURG-121L Fundamentals of Surgical Technology II Lab
0 Credits
Lab
Offering: Spring Only, All Years
This course is a corequisite lab for SURG-121.
Corequisites: SURG-121

SURG-130 Surgical Procedures I
4 Credits
Lecture: 4 hours per week
Offering: Fall Only, All Years
This course provides the foundational knowledge of surgical core and specialty procedures. It examines the pathophysiology, diagnostic interventions, and surgical interventions for a variety of surgical procedures. Emphasis is on surgical procedures related to general, minimally invasive, obstetrics/gynecology, genitourinary, otorhinolaryngology, and orthopedic surgical specialties. The course also incorporates an introduction to instruments, equipment, and supplies required for perioperative case management. Content also includes post-operative care and complications of the surgical patient.
Corequisites: SURG-105, SURG-120
Pre/Corequisites: SURG-101

SURG-131 Surgical Procedures II
4 Credits
Lecture: 4 hours per week
Offering: Spring Only, All Years
This course examines the pathophysiology, diagnostic interventions, and surgical interventions for a variety of surgical procedures. Emphasis is on oral maxillofacial, ophthalmic, cardiothoracic, peripheral vascular, and neurosurgery surgical procedures. The course incorporates an introduction to instruments, equipment, and supplies required for perioperative case management. Content also includes post-operative care and complications of the surgical patient.
Prerequisites: SURG-105, SURG-120, SURG-130
Corequisites: SURG-109, SURG-121, SURG-140
SURG-140 Clinical Experience I

6 Credits

Internship: 18 hours per week

Offering: Spring Only, All Years

This course is a directed practice in an affiliated clinical facility. The student will be assigned to specific preceptors to perform in the function of a surgical technologist. The student will actively assist in selection of equipment and supplies, perform surgical scrub, and become a functioning member of a sterile team. The student will progress through surgical specialties developing and enhancing skills needed to function as a practicing surgical technologist.

Prerequisites: SURG-105, SURG-120, SURG-130

Corequisites: SURG-109, SURG-121, SURG-131

SURG-141 Clinical Experience II

8 Credits

Internship: 24 hours per week

Offering: Summer Only, All Years

This course is a directed practice in an affiliated clinical facility. As a continuation of SURG-140, the student will be assigned to specific preceptors to perform in the function of a surgical technologist. The student will actively assist in selection of equipment and supplies, perform surgical scrub, and become a functioning member of the sterile team. The student will progress through surgical specialties developing and enhancing skills needed to function as a practicing surgical technologist.

Prerequisites: SURG-109, SURG-121, SURG-131, SURG-140

Corequisites: SURG-150

SURG-150 CST Exam Review/Leadership

3 Credits

Lecture: 3 hours per week

Offering: Summer Only, All Years

This course provides a discussion of topics of special interest to surgical technologists. Topics of focus include resume writing, maintenance of professional credentials through professional development, interviewing skills, and review for the National Certification Exam. Students will complete the NBSTSA Comprehensive (Secure) CST Practice Exam at the end of the course.

Prerequisites: SURG-109, SURG-121, SURG-131, SURG-140

Corequisites: SURG-141
Theatre (THEA)

THEA-101 Introduction to the Theatre
3 Credits
Lecture: 3 hours per week
Offering: Fall and Spring Only, All Years
This course examines the contributions of individual artists to the art of theatre. Through discussion and attendance at plays, students will become familiar with elements of dramatic structure and the roles and responsibilities of the director, lighting designer, costumer, playwright, sound technician, actors, and scene designer. This is a nonperformance course open to non-majors. It is designed to enhance students' understanding of dramatic art and the appreciation and enjoyment of live performance. Skills in observation, writing, critical thinking, and verbal expression are emphasized and developed. Students are required to attend three plays during the semester.

THEA-102 Stage Makeup
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course offers instruction in the basic principles and techniques of theatre makeup. Students will explore, through the eye of the makeup artist, concepts of facial structure, aging, style and modeling with paint and will observe demonstrations of basic techniques. Weekly labs offer the opportunity to translate knowledge into design and practical application of theatrical makeup. This course will benefit students seeking careers or further education in the theatre arts as well as community members who participate in the theatre.

THEA-103 Theatre Technology: Scenery, Lighting, and Sound
3 Credits
Lecture: 2 hours per week, Lab: 2 hours per week
Offering: Fall Only, Odd Years
This course offers practical lab experience in applying theories and methods of scenery and prop design and construction. It focuses on the creative use of production tools and stage equipment. This course provides an opportunity to develop technical skills for theatre and media production for students exploring those career areas or who are interested in community theatre participation. Prior completion of other courses is not necessary.

THEA-104 Theatre Technology: Costume Construction
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course provides students with practical, fundamental knowledge of costume construction techniques for application to real theatre productions. It places emphasis on both hand-sewing and machine-sewing techniques, skills that have practical application for personal clothing sewing and alteration for self or business purposes, and for other areas of costuming such as cosplay. This course is designed to be transferable to other college and university theatre departments.

THEA-105 Basics of Performance I
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, All Years
This course is an introduction to the art of stage performance, emphasizing the development of acting skills. It includes basic verbal skills of articulation, projection, and inflection, as well as the study of script formats, actor language, voice, movement, and imagination. Emphasis is on developing an understanding and appreciation for the total performance of the actor, combining creative imagination and discipline. Students will do solo and duo acting, requiring script memorization and performance before an audience. Students are required to view at least two theatre performances as specified in the syllabus; students are responsible for their own transportation and ticket costs. Tickets to area theatrical shows may have to be purchased at a total cost of $25 - $40.

THEA-106 Basics of Performance II
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course is a continuation of THEA-115, focusing on enhanced voice and movement and the development of characters from scripts. Students will study and practice techniques actors use in working with ensembles, memorizing parts, and developing stage presence. The skills introduced in THEA-115 are improved upon and include verbal and nonverbal communication techniques, memorization, script analysis, and the interpretation of character. Students are required to view at least two theatre performances as specified in the syllabus; students are responsible for their own transportation and ticket costs. Tickets to area theatrical shows may have to be purchased at a total cost of $25-40.

THEA-107 Theatre Practice
1 Credit
Lab: 3 hours per week
Offering: Fall and Spring Only, All Years
This course offers participation in the development and production of a NIC play, gaining experience in one or more areas, including lighting, properties, costuming, set construction, audio and sound support, and stage managing. Practical experience in theatrical production may include basic carpentry, electrical, makeup, sewing, painting-skills applied to theatre but useful in other fields. Students will refine these skills as they develop an appreciation for the total process of theatre art involving organization, creativity, discipline, and ensemble teamwork. The course is open to non-majors and may be repeated for a total of four credits. Some evening and weekend work will be included.
THEA-201 Scene Design I
3 Credits
Lecture: 3 hours per week
Offering: Fall Only, Even Years
This course offers an introduction to visual interpretation, research, and rendering techniques used in scenery design. Emphasis is on creation of appropriate, effective stage environments based on research and interpretation of theatrical scripts. It provides the opportunity to develop set design skills for theatre and media production for students exploring those career areas or who are interested in community theatre participation. Previous participation in theatre productions is recommended.
Recommended Prerequisites: THEA-103

THEA-271 Play Analysis
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, Odd Years
This course focuses on the role of the playwright, students will explore the structure of dramatic works and the process of script creation. The course includes exposure to live and recorded plays of Ibsen, Shakespeare, Chekov, Arthur Miller, and other great playwrights. Different styles of drama including tragedy, comedy, melodrama, and farce are emphasized. Students will strengthen skills in reading, listening, writing, script, and character interpretation as they develop an appreciation of dramatic literature and the playwright’s art and craft. Weekend attendance at plays is anticipated.
Recommended Prerequisites: THEA-101 and strong writing skills
Welding (WELD)

WELD-105 Welding Theory
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course consists of basic metallurgy, identification of metals and electrodes, theory of welding processes, identify proper usage of testing methods, welding gases, joint design and configuration, welding positions, welding currents and polarity. Welding qualifications and procedures will also be covered.

WELD-106 Welding Theory II
2 Credits
Lecture: 2 hours per week
Offering: Spring Only, All Years
This course is a continuation of theories learned in WELD-105. This course continues to build on the knowledge of basic metallurgy, identification of metals and electrodes, theory of welding processes, identifying proper usage of testing methods, welding gases, joint design and configuration, welding positions, welding currents, and polarity. Welding qualifications and procedures will also be covered.

WELD-112 Safety and Leadership
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course will introduce the student to lab organization and safety procedures. The student will demonstrate applied leadership skills and abilities, demonstrate and identify hand tools and their proper usage. The student will also demonstrate and identify power tools and equipment including their proper usage and maintenance.

WELD-121 Blueprint Reading for Welders
2 Credits
Lecture: 2 hours per week
Offering: Fall Only, All Years
This course will cover basic lines, views, dimensioning and structural shapes, abbreviation and weld symbols, working with structural and piping drawings, and bill of materials.

WELD-131 Advanced Blueprint Reading
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course covers interpreting drawings and develop material lists, sketch or draw components for layout, and calculate material costs from blueprints. Specific applications for steel, pipe, or other welding projects will be directed to meet student and community needs. AWS adopted standards for welding symbols will be the primary reference for blueprint interpretation.

WELD-140 Autobody and Paint Technology Welding
2 Credits
Lecture: 1 hour per week, Lab: 2 hours per week
Offering: Fall Only, All Years
This course is part of the Autobody and Paint Technology program. It prepares repair technicians to perform basic welding processes and techniques required by industry. Students will gain skills in several welding processes including oxy-acetylene cutting and welding, plasma arc cutting of steel and aluminum, gas tungsten arc welding, and gas metal welding. Students will learn proper safety in operating welding and cutting equipment. Students may obtain the I-CAR Welder Certificate.

WELD-182L Welding Lab II
6 Credits
Lab: 18 hours per week
Offering: Fall Only, All Years
This course covers interpreting drawings and develop material lists, sketch or draw components for layout, and calculate material costs from blueprints. Specific applications for steel, pipe, or other welding projects will be directed to meet student and community needs. AWS adopted standards for welding symbols will be the primary reference for blueprint interpretation.

WELD-187L SMAW Practical
4 Credits
Lab: 12 hours per week
Offering: Fall Only, All Years
This course covers SMAW welding principles and will include fillet and groove welds in all positions to the AWS standards. Successfully completing this course may lead to certification.

WELD-188L Advanced SMAW Practical
1 Credit
Lab: 2 hours per week
Offering: Fall Only, All Years
This course will cover advanced SMAW concepts and procedures. Students will become proficient in advanced welding techniques of open-root welding on plate with and without backer. AWS certification testing conditions will prevail on completion of this course.

WELD-197L Oxy/Fuel Cutting Lab
1 Credit
Lab: 2 hours per week
Offering: Fall Only, All Years
This course includes instruction in the techniques of cutting using manual, machine processes and equipment with the oxy/fuel process. Students will practice using manual and machine methods on ferrous metal assignments.
WELD-225 Advanced Welding Theory
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course will emphasize American Society of Mechanical Engineers (ASME) and American Welding Society (AWS) welding test procedures in Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux-cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW). Students will also be exposed to Plasma Cam operations.
Prerequisites: WELD-106, WELD-131, WELD-182L
Corequisites: WELD-226, WELD-281L

WELD-226 Layout/Mechanical Drawing
2 Credits
Lecture: 1 hour per week, Lab: 3 hours per week
Offering: Fall Only, All Years
This course will introduce students to the concepts and techniques of mechanical drawing. It will cover basic line drawings, use of mechanical drawing equipment, isometric and orthographic projections, and geometric drawings. Students will prepare geometrical drawings and draw layouts. This course will also enable students to perform layout of structural steel using fabricating practices. Students will be able to determine elevations of structures and how to construct using calculating equipment including transits, scientific calculators, and various squaring and leveling tools. The student will also be able to calculate the layout of pipe including figuring offsets, runs, and travel distances.
Prerequisites: WELD-106, WELD-131, WELD-182L
Corequisites: WELD-225, WELD-281L

WELD-227 Advanced Welding Theory II
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course is a continuation of WELD 225 and includes further discussion on the problems associated with heating and cooling metals and the properties of a variety of metals used in the welding process. Students will gain a working knowledge of fabrication techniques and manufacturing processes of the metals used in welding. Characteristics of the traditional welding and bonding agents used in welding will be provided to give students a background on metal identification, metallurgical behaviors, and the determination of weldability of ferrous and nonferrous metals. This course will also teach students basic GTAW methods and theory on thin gauge mild steel, stainless steel, and aluminum in all positions using both direct and alternating current. Equipment setup and adjustment will be emphasized to match with welding applications.
Prerequisites: WELD-225, WELD-226, WELD-281L
Corequisites: WELD-228, WELD-291L

WELD-228 Advanced Mechanical Drawing
3 Credits
Lecture: 2 hours per week, Lab: 3 hours per week
Offering: Spring Only, All Years
This course covers detail drawings related to the welding industry. Proper dimensioning and tolerances, use of sectioning techniques, isometrics and oblique drawings, including pipe welding symbols and bill of materials will be covered as well.
Prerequisites: WELD-225, WELD-226, WELD-281L
Corequisites: WELD-227, WELD-291L

WELD-281L Shielded Metal Arc Welding
7 Credits
Lab: 14 hours per week
Offering: Fall Only, All Years
This course covers the advanced applications of SMAW and will include small diameter thin wall pipe and tubing in all positions. Additional instruction will cover high-pressure pipe welding using #6010 on root pass, #7018 fill, and over passes. Qualification in various pipe fitter levels may be offered.

WELD-291L Gas Tungsten Arc Welding Lab
6 Credits
Lab: 12 hours per week
Offering: Spring Only, All Years
This course covers the advanced applications of GTAW and will include small diameter wall pipe and tubing in all positions. Additional instruction will cover high-pressure pipe welding using GTAW on root pass, E7018 fill, and cover passes. AWS certification in various pipe-fitting levels may be offered.
Wastewater Technology (WWTR)

WWTR-150L Wastewater Treatment Lab I
2 Credits
Lab: 6 hours per week
Offering: Fall Only, All Years
This course applies the skills learned in MM-150, including safety practices, precision measuring, tool usage, mechanical drive systems, equipment installation, and alignment. Students will work on assigned tasks, projects, and performance tests.
Corequisites: MM-150

WWTR-152L Wastewater Treatment Lab II
3 Credits
Lab: 9 hours per week
Offering: Spring Only, All Years
This course applies the skills learned in MM-152 including exercises in welding, coupling alignment and maintenance, bearing maintenance, pipe fitting, electric motor and control maintenance, and pump maintenance. Exercises in hydraulics components and troubleshooting areas are also included.
Prerequisites: MM-150, WWTR-150L
Corequisites: MM-152, MM-156

WWTR-202 Wastewater Treatment Internship
3 Credits
Internship: 9 hours per week
Offering: Spring Only, All Years
This internship course introduces the fundamentals of wastewater treatment plant technology, operation, and maintenance employed in the industry. Topics covered include treatment methodologies, meter reading, basic sampling, plant operation, equipment maintenance, repair, and troubleshooting.
Prerequisites: MECH-210, MECH-211, MM-150, MM-152, MM-156, WWTR-150L, WWTR-152L, WWTR-210L
Corequisites: WWTR-205

WWTR-205 Essentials of Wastewater Treatment Technology
3 Credits
Lecture: 3 hours per week
Offering: Spring Only, All Years
This course introduces the fundamentals of wastewater treatment plant technology and the various wastewater treatment philosophies employed in the industry. Topics covered include treatment methodologies, meter reading, basic sampling, plant operation, equipment maintenance, repair, and troubleshooting.

WWTR-210L Wastewater Treatment Lab III
2 Credits
Lab: 6 hours per week
Offering: Fall Only, All Years
This course will give students hands-on exposure in a lab setting to the subjects covered in the MECH-210 and MECH-211 courses. The instruction will use a variety of mock-ups, trainers, and components to reinforce knowledge of systems, testing, troubleshooting, and repair procedures.
Prerequisites: MM-150, MM-152, MM-156, WWTR-150L, WWTR-152L
Corequisites: MECH-210, MECH-211
Zoology (ZOOL)

ZOOL-202 General Zoology

4 Credits

**Lecture:** 3 hours per week, **Lab:** 3 hours per week

**Offering:** Fall and Spring Only, All Years

This course presents a survey of the animal kingdom from invertebrates through the vertebrates. It includes classification, structure, physiology, histology, reproduction, embryology, and life histories of representative forms of the major animal groups and their relationship, application, and economic importance to man. This course is often required for students in medicine, dentistry, optometry, pharmacy, veterinary medicine, certain forestry options, medical technicians, and biology majors.

**Corequisites:** ZOOL-202L

**Recommended Prerequisites:** BIOL-100 or BIOL-115
ADMINISTRATION AND BOARD

President's Cabinet
Richard MacLennan, Ed.D.
President
B.A., Portland State University
M.Ed., Oregon State University
Ed.D., Wilmington University

Rayelle Anderson, CFRE
Director of Development/Executive Director NIC Foundation
A.A.S., North Idaho College
B.S., Montana State University

Lita A. Burns, Ph.D.
Vice President for Instruction
B.S., University of Wyoming
M.S., University of Colorado
Ph.D., Gonzaga University

Karen Hubbard, SPHR
Chief Human Resources Officer/Title IX Investigator
B.A., Western Washington University
M.B.A., University of Georgia

Chris Martin
Vice President for Finance and Business Affairs
B.B.A., Abilene Christian University
M.B.A., Amberton University

Laura Rumpler
Chief Communications and Government Relations Officer
B.A., Gonzaga University

Graydon Stanley, Ed.D.
Vice President for Student Services
B.S., College of Idaho
M.Ed., College of Idaho
Ed.D., Idaho State University

Ken Wardinsky
Chief Information Officer
A.A.S., Great Falls College-Montana State University
B.A.S., Montana State University-Northern
M.S.M., Colorado Technical University

Board of Trustees
• Todd Banducci, Chair
• Greg McKenzie, Vice Chair
• Christie Wood, Secretary/Treasurer
• Ken Howard, Trustee
• Michael Barnes, Trustee
• Judy Meyer, Trustee Emeritus
FACULTY

A

Anderson, Douglas
Professor / Division Chair for Trades & Industries
M.Ed., University of Idaho
B.S., Oregon Institute of Technology
A.A.S., Peninsula College
A.A.S., Peninsula College
A.A., Oregon Institute of Technology

Arrington, Dale
Associate Professor - Chemistry
Ph.D., University of Kansas
B.S., University of Washington

B

Ballard, Gail
Professor - Education
M.Ed., University of Idaho
B.S., State University of New York, Cortland

Barton, Christina
Professor - Business
J.D., Gonzaga University
M.L., University of Florida
B.A., Gonzaga University

Begay, Victor
Associate Professor - American Indian Studies
Ph.D., Arizona State University
M.A., Arizona State University
B.A., Gonzaga University

Bennett, Bob
Professor - English
M.A., University of Idaho
B.A., University of Iowa

Blackston, Robert
Assistant Professor / Program Director - Surgical Technology Program
M.Ed., Boise State University
B.S., Idaho State University
Technical Certificate, College of Southern Idaho
A.A., College of Southern Idaho
Certified Surgical Technologist/Surgical First Assistant, The National Board of Surgical Technology and Surgical Assisting

Blanchette, Kirsten
Associate Professor - Chemistry
M.S., University of Idaho
B.S., University of Idaho
B.A., University of Wyoming

Booth, Curt
Associate Professor - Mechanical Design Engineering Technology
M.S., University of Idaho
B.S., Brigham Young University
A.S., Ricks College

Bourne, Audry
Professor - Communication / Assistant Division Chair for Communication & Fine Arts
M.A., Gonzaga University
M.S., University of Idaho
B.A., Montana State University

Brasil, Paul
Associate Professor - History
M.A., University of California, Santa Barbara
B.A, California State University, Stanislaus

Bromley, Susanne
Professor - Mathematics
M.S., Eastern Washington University
M.Ed., Eastern Washington University
B.A.Ed., Eastern Washington University

Brown, Lucas
Professor - English / Co-Assistant Division Chair for English & Humanities
M.A., University of Idaho
B.A., University of Idaho

Buchan, Blythe
Associate Professor - Associate Degree Nursing
M.S.N., Gonzaga University
B.S.N., Graceland University
A.S., Graceland University
Medical Surgical Nurse Certification, ANCC

C

Caires, Damian
Associate Professor - Mathematics
M.A.T., University of Idaho
B.S., Washington State University
Certificate, Washington State University

Cameron, Audrey
Professor - English
Ph.D., University of Aberdeen
M.A., University of Aberdeen

Carlson, Carey
Assistant Professor - Cardinal Learning Commons
M.Ed., University of Idaho
B.S.Ed., Central Washington University

Carr, Geoffrey
Professor - Journalism
M.A., University of Georgia
B.A., Pfeiffer University

Caulk, Rachel
Assistant Professor - Associate Degree Nursing
M.S.N., Walden University
Chivvis, Paul
Professor - Resort Recreation Management
M.S., University of Idaho
B.S., University of Idaho
A.S., State University of New York, Farmingdale
Postsecondary Advanced Occupational Specialist, Idaho Division of Professional-Technical Education

Christensen, Anthony
Associate Professor - Diesel Technology
A.A.S., North Idaho College
Postsecondary Standard Occupational Specialist, Idaho Career & Technical Education

Cloyd, Aaron
Associate Professor - English / Co-Assistant Division Chair for English & Humanities
Ph.D., University of Kentucky
M.A., Idaho State University
B.A., Multnomah University
A.A., Northern Wyoming Community College District

Clum, Connie
Assistant Professor - Associate Degree Nursing
M.S.N., University of Wyoming
B.S.N., Mount Marty College

Codr, Brad
Associate Professor - Anthropology / Co-Division Chair for Social & Behavioral Sciences
Ph.D., Purdue University
M.A., University of Idaho
B.S., University of Idaho

Cooper, Rhena
Professor - Biology
M.S., West Texas State University
B.S., West Texas State University

Cunnington, David
Professor - Biology
M.A.Ed., University of Idaho
B.A., Eastern Washington University
B.S., Eastern Washington University

Curtis, Carl
Professor - English
Ph.D., Florida State University
M.A., Eastern Washington University
B.A., Eastern Washington University

Czurda-Page, Kathleen
Professor - Computer Information Technology / Cyber Defense Program Manager
Ed.S., University of Idaho
M.S., University of Idaho
B.S., University of Idaho
A.A.S., North Idaho College
Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

D

Darty, Myra
Associate Professor - Psychology
M.S., University of Idaho
B.S., University of Idaho
A.S., North Idaho College

Davis, Erin
Professor - English
M.A., California State University, Long Beach
B.A., California State University, Long Beach

de la Cruz, Gabriel
Assistant Professor - Computer Science
M.S., Washington State University
B.S., Cebu Institute of Technology University
A.A.S., Thomas Edison State University

DeHaas, Calvin
Associate Professor - Autobody & Paint Technology
B.S., University of Idaho
Certificate of Completion, North Idaho College

Doyle, Christy
Dean of Instruction, Workforce Education
M.Ed., Colorado State University
B.S., Southern Illinois University, Carbondale

Dreisbach, Earl
Associate Professor - Welding
A.A.S., University of Montana
Certified Welding Inspector, American Welding Society

Droesch, Jason
Associate Professor - Mathematics / Division Chair for Math, Computer Science & Engineering
M.S., Boise State University
B.S., University of Idaho
A.A., North Idaho College

Duarte, Victor
Associate Professor - Psychology
Ph.D., University of Minnesota
M.Ed., University of Idaho
B.A., San Francisco State University
A.A., City College of San Francisco

Duman, Lloyd
Interim Associate Dean of Instruction, Academic Support
Ph.D., Antioch University
M.A., Antioch University
M.A., University of Montana
B.S., Southern Oregon State College
B.S., Southern Oregon State College

E

Earnhart, Angela
Professor - Mathematics
M.S., Colorado State University
B.S., Oklahoma Christian University of Science and Arts
Erickson, Jen
Associate Professor - Art
- M.F.A., Central Washington University
- B.F.A., University of Montana
- A.S., North Idaho College

Estes, Scott
Associate Professor - Spanish
- M.A.T., Salem State University
- B.A., Eastern Washington University

Faeta-Ginepra, Hillary
Assistant Professor - Culinary Arts
- Chef Training Program Certificate of Completion, The Natural Gourmet Cookery School
- B.S., Ohio University
- Certified Culinary Educator, American Culinary Federation
- Certified ServSafe Instructor / Registered ServSafe Examination Proctor
- Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

Fleming, Susan
Assistant Professor - Associate Degree Nursing
- Ph.D., Washington State University
- B.S.N., Washington State University

Foster, David
Professor - Biology
- M.Ed., University of Idaho
- B.S., University of Idaho
- B.S., University of Idaho

Frey, Jonathan
Associate Professor - English
- M.F.A., Eastern Washington University
- B.F.A., Southern Methodist University

Fries, Brandy
Assistant Professor - Chemistry
- M.S., University of Idaho
- B.S., University of Idaho
- B.S., University of Idaho

Funkhouser, Sharon
Assistant Professor - Associate Degree Nursing
- M.S., Grand Canyon University

Gardunia, Jonathan
Assistant Professor / Program Director - Physical Therapist
- D.P.T., Idaho State University
- B.S., Brigham Young University, Idaho

Gibson, Carrie Rose
Professor - Mathematics
- M.S., Eastern Washington University
- B.A., Eastern Washington University
- A.S., North Idaho College
- A.A., North Idaho College

Godfrey, Laura
Associate Professor - English
- Ph.D., Washington State University
- M.A., University of Idaho
- B.A., Emory University

Graves, Randy
Professor - Computer Information Technology-Network Support
- M.S., University of Idaho
- B.S., University of Idaho
- Diploma, DeVry Institute of Technology
- Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

Gray, Jason
Assistant Professor - Paralegal / Co-Division Chair for Business & Professional Programs
- J.D., Gonzaga University
- B.S., University of Idaho
- Postsecondary Limited Occupational Specialist, Idaho Career & Technical Education

Hagner, Travis
Assistant Professor - Political Science
- Ph.D., University of Nevada, Reno
- M.A., Appalachian State University
- B.A., University of Georgia

Hallett, Casey
Associate Professor - Physics
- M.S., University of Idaho
- M.Ed., University of La Verne
- B.S., University of La Verne

Hannaford, Bryan
Associate Professor - Music / Director of Bands
- M.M., Cleveland State University
- M.A., Case Western Reserve University
- B.A., California State University, Fresno
- Level2 Orff-Schulwerk Certification, Carnegie Mellon University

Hayes, Ryan
Professor - Physical Education
- Ph.D., University of Arkansas
- J.D., Gonzaga University
- M.S., University of Tennessee, Knoxville
- B.A., University of California, Santa Barbara

Heidenreich, Brittany
Associate Professor - Practical Nursing
- M.S., Gonzaga University
- B.A., Carroll College

Horswill, Michael
Professor - Art
- M.F.A., University of Idaho
- B.A., University of Washington
- A.A.S., Shoreline Community College
Huff, Dwayne
Assistant Professor - Music
D.A., University of Mississippi
M.M., Wichita State University
B.M., Wichita State University

Jacoby, Joe
Professor - Theater / Division Chair for Health Professions
M.F.A., University of Idaho
B.A., Boise State University

Jenkins, Jeffrey
Assistant Professor - Culinary Arts / Business Management
B.S., University of Idaho
Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

Jensen, John
Assistant Professor - Philosophy
M.A., University of Idaho
B.S., Southern Oregon University
A.A., North Idaho College

Jewell, James
Professor - History / Co-Division Chair for Social & Behavioral Sciences
Ph.D., West Virginia University
M.A., Eastern Washington University
B.A., Eastern Washington University
A.A., Spokane Falls Community College

Johnson, Katie
Assistant Professor - Biology
M.S., Creighton University

Johnston, Ann
Librarian
M.L.S., Brigham Young University
B.S., University of Montana

Joseph, Ryan
Associate Professor - Chemistry
Ph.D., Washington State University
B.S., University of California, Davis

Kelly, Michael
Associate Professor - Biology
M.S., California Polytechnic State University, San Luis Obispo
B.S., California Polytechnic State University, San Luis Obispo

Keylon, Tacey
Associate Professor - Computer Applications & Office Technology
M.Ed., University of Idaho
B.S., University of Idaho
A.S., North Idaho College
Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education
MOS Work, Excel, Access & PowerPoint Certification

Kimberling, Kurt
Associate Professor - Machine & CNC Technology
Postsecondary Standard Occupational Specialist, Idaho Career & Technical Education

Kingma, Jeremy
Associate Professor - Engineering / Assistant Division Chair for Math, Computer Science & Engineering
M.S., Washington State University
B.A., Montana State University
B.S., Montana State University

Kinsey, Donald
Assistant Professor - Communication
M.A., Gonzaga University
B.S., University of Idaho

Lambert, Paula
Professor - Biology / Division Chair for Natural Sciences
M.Ed., University of Idaho
B.S., Idaho State University
B.S., Idaho State University
Graduate Certificate, University of Florida

Lee, Jamison
Associate Professor - English
Ph.D., Illinois State University
M.A.T., Kent State University
B.A., Kent State University

Leonard, Brandon
Associate Professor - Mathematics
M.A., California State University, Fresno
B.A., California State University, Fresno

Lien, JoSann
Assistant Professor - English
M.A., Idaho State University
B.S.Ed., University of Idaho
B.A., University of Idaho
A.A., North Idaho College

Lockman, Ashley
Associate Professor - Communication
M.A., Boise State University
B.A., Boise State University
A.A., North Idaho College
Graduate Certificate, Boise State University
Love, James
Associate Professor - Sociology
  Ph.D., University of California, Riverside
  M.A., University of California, Riverside

M

Mack, Eric
Professor - Mathematics
  M.S., University of Idaho
  B.S., University of Idaho

Magill, Mark
Associate Professor - Automotive
  Master Automobile Technician / Advanced Level Specialist / Maintenance & Light Repair Technician, National Institute for Automotive Service Excellence
  Postsecondary Standard Occupational Specialist, Idaho Career & Technical Education

Manzardo, Paul
Professor - Physical Education / Division Chair for Physical Education & Resort Recreation Management
  M.S., University of Idaho
  B.S., Ferris State University
  Certified Recreational Sports Specialist, National Intramural-Recreational Sports Association
  Certified High School Football and Basketball Referee, Idaho High School Activities Association

Marfice, Jeanne
Assistant Professor - Practical Nursing
  B.S.N., University of Nebraska-Lincoln
  A.S.N., University of Nebraska-Lincoln

Masingill, Michelle
Professor - Accounting Assistant Program
  M.Ed., University of Idaho
  B.A., Eastern Washington University
  A.A., Spokane Falls Community College
  Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

McClelland, Janis
Assistant Professor / Program Director - Dental Hygiene
  M.S., Eastern Washington University
  B.S.D.H., Eastern Washington University
  A.S., Forsyth School for Dental Hygienists

Mendez, Max
Professor - Music
  M.A., Eastern Washington University
  B.A., Eastern Washington University

Mendoza, Kristi
Associate Professor - Business
  M.A.C.C., University of Southern California
  B.A., University of California, Irvine

Michaud, Molly
Professor - English / Interim Division Chair for English & Humanities
  M.A., University of Idaho
  B.A., University of Idaho
  A.A., North Idaho College
  A.S., North Idaho College

Miles, Dean
Assistant Professor - Business Management / Entrepreneurship
  M.A., University of Phoenix
  B.S., Upper Iowa University
  A.A.S., Community College of the Air Force
  Postsecondary Limited Occupational Specialist, Idaho Career & Technical Education

Miller, Ekaterina
Assistant Professor - Mathematics
  M.S., Far Eastern State University
  B.S., Far Eastern State University

Miller Green, Kathleen
Assistant Professor - Child Development
  M.A., University of Montana
  B.A., Carroll College

Mitchell, Karla
Professor - Mathematics
  M.A.T., University of Idaho
  B.S.Ed., University of Idaho
  A.S., North Idaho College

N

Nehr-Kanet, Sonja
Assistant Professor / Program Director - Medical Laboratory Technology
  M.S., University of British Columbia
  B.MLSc, University of British Columbia
  Medical Laboratory Scientist, ASCP Board of Certification

Nelson, Cynthia
Professor - Mathematics
  Ph.D., Hawthorne University
  M.S., George Peabody College for Teachers
  B.S., University of Minnesota

Nolan, Matthew
Assistant Professor / Program Director - Radiography Technology
  M.Ed., Valdosta State University
  B.S., Augusta University

O

Okon, Ronald
Associate Professor - Machine & CNC Technology
  Postsecondary Standard Occupational Specialist, Idaho Career & Technical Education

Olson-Horswill, Laurie
Professor - English
  Ph.D., University of Idaho
  M.A.T., Gonzaga University
  B.A., Montana State University
Page, Amy
Assistant Professor - Mathematics
Ed.D., Gardner-Webb University
M.A., Appalachian State University
B.A., Lenoir-Rhyne College

Pavel, Cynthia
Associate Professor / Program Director - Medical Assistant Program
M.P.A., Indiana University
B.A., Eastern Washington University
B.S., Central Washington University
A.A.S., Davenport University

Payton, Tammy
Professor - Mathematics
M.Ed., Lesley College
B.S., Eastern New Mexico University

Piekarski, Matthew
Assistant Professor - Carpentry / Construction Technology
B.S., University of Idaho
A.A., North Idaho College
A.A.S., North Idaho College
One-Year Certificate, North Idaho College

Quant, Robert
Assistant Professor - Network Security Administration
M.Ed., University of Idaho
M.A., Webster University
B.S., Excelsior College
Cisco Certified Network Associate
Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

Raaum, Lonnie
Associate Professor - Diesel Technology
A.A.S., North Idaho College

Raetzke, Jessica
Associate Professor - Photography / Art
M.F.A., University of Oregon
B.F.A., Savannah College of Art & Design

Reeds, Karen
Associate Professor - Biology
M.S., University of Idaho
B.S., University of Idaho
A.S., North Idaho College
Graduate Certificate, University of Florida

Reese, John
Assistant Professor - Criminal Justice / Political Science
J.D., University of Idaho
B.A., University of Idaho

Rekasie, Angela
Assistant Professor - Hospitality Management
B.A., Washington State University

Richards, Bill
Associate Professor - Geology / Geography
M.S., Kansas State University
B.S., Stephen F. Austin State University

Robinson, Trisha
Assistant Professor - Associate Degree Nursing
M.S.N., Grand Canyon University
B.S.N., Grand Canyon University

Rose, Nicholas
Assistant Professor - Geography
M.S., Oklahoma State University
B.A., Morehead State University

Roth, Ildiko
Professor - Business
M.S., University of Idaho
Ed. S., University of Idaho
M.S., University of Idaho
M.B.A., Technical University of Budapest
B.S., Technical University of Timisoara (Romania)

Sater, Sean
Assistant Professor - Heating / Ventilation / Refrigeration / Air Conditioning
A.A.S., Spokane Community College

Schlauch, Steve
Associate Professor - Automotive
M.Ed., Montana State University, Northern
M.S., Montana State University, Northern
A.A.S., Montana State University, Northern
Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education
Master Automobile Technician / Advanced Engine Performance Level Specialist, National Institute for Automotive Service Excellence

Schoch, Lesley
Professor - Child Development
M.Ed., Lesley University
B.A., University of Akron

Schoesler, Donald
Professor - Applied Technology
B.A., Washington State University
Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

Schwartz, Brad
Assistant Professor - Web / Graphic Design
B.F.A., Ohio Wesleyan University
Postsecondary Standard Occupational Specialist, Idaho Career & Technical Education
Seguin, Brian  
*Public Services / Collection Development Librarian*  
- M.L.I.S., San Jose State University  
- B.S., San Francisco State University  
- A.A.S., North Idaho College

Simkins, Sherry  
*Professor - Communications / Division Chair for Communication & Fine Arts*  
- M.A., Southern Utah University  
- B.S., Southern Utah University

Smith, Stephen  
*Assistant Professor - Associate Degree Nursing*  
- M.S., Western Governors University  
- B.S., Western Governors University

Stockham, Shane  
*Professor - Industrial Mechanics / Millwright*  
- M.S., University of Idaho  
- B.S.Ag.Ed., University of Idaho  
- Advanced Occupational Specialist, Idaho State Board of Education  
- Standard Secondary Certification, Idaho State Board of Education

Straw, Timothy  
*Professor - Welding*  
- M.S.Ed., University of Idaho  
- B.S.Ed., University of Idaho  
- Academic Certificate, University of Idaho  
- Postsecondary Advanced Occupational Specialist / Postsecondary Career Technical Administrator, Idaho Career & Technical Education  
- AWS Certified Welding Inspector

Struble, Tracy  
*Associate Professor - Communication / Co-Division Chair for Business & Professional Programs*  
- M.A., Gonzaga University  
- B.G.S, Gonzaga University

Swanson, Fred  
*Assistant Professor / Coordinator - Law Enforcement Basic Patrol Academy*  
- M.S., American Military University  
- B.S., University of Idaho  
- A.A., University of Phoenix  
- Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

Tedmon, Richard  
*Professor - Business*  
- M.S., Troy University  
- B.A., University of Colorado-Boulder  
- Certified Financial Planning Certificate, Texas A&M University-Commerce  
- JPME I Certificate, Naval War College

Templeman, Laura  
*Professor - Philosophy*  
- M.A., University of New Mexico  
- B.A., State University of New York, Bingham  
- Certified Philosophical Client Counselor, American Philosophical Practitioners Association  
- IPP Mindfulness Certified, UCLA

Thompson, David  
*Associate Professor - Physics*  
- Ph.D., Purdue University  
- M.S., Colorado State University  
- B.S., Purdue University

Trombold, John  
*Associate Professor - English*  
- Ph.D., Columbia University  
- M.Phil., Columbia University  
- M.A., University of Washington  
- B.A., Reed College

Tschida, Ben  
*Professor - Mathematics*  
- M.S., University of Idaho  
- B.S., University of Idaho

Valente, Faith  
*Professor - Communication*  
- Ph.D., Gonzaga University  
- M.A., Gonzaga University  
- B.S., University of Idaho  
- Meyers Briggs Type Indicator Step 1 Certification

Valle, Philippe  
*Associate Professor - Graphic Design*  
- M.S., Eastern Washington University  
- B.A, Eastern Washington University  
- Postsecondary Advanced Occupational Specialist, Idaho Career & Technical Education

Van Middlesworth, Julie  
*Associate Professor - Environmental Science / Geology*  
- M.S., University of Idaho  
- B.S., University of Nebraska, Omaha

Vogeler, Robert  
*Associate Professor - Mathematics*  
- M.S., Washington State University  
- B.S., Washington State University

Ware, Randy  
*Professor - Psychology*  
- Ph.D., Ohio University  
- M.S., Montana State University  
- B.A., Montana State University

Wilcox, Liza  
*Associate Professor - English*  
- M.A., Eastern Washington University  
- B.A., Eastern Washington University
Wilhelm, Casey
Professor - Business
  M.B.A., Gonzaga University
  M.S., University of Idaho

Williamson, Aenoi
Assistant Professor - Associate Degree Nursing
  M.S., Grand Canyon University
  B.S., National University
  A.S., San Diego Mesa College

Willms, Nicole
Assistant Professor - Sociology
  Ph.D., University of Southern California
  Graduate Certificate, University of Southern California
  M.A., University of Southern California
  B.A., Randolph-Macon Women's College
INDEX

A
AA/AS Degree Requirements ........................................... 40
AAS Degree Requirements ............................................... 44
About NIC ................................................................. 5
Academic and Registration Information .............................. 27
Accounting (ACCT) ....................................................... 196
Accounting Assistant (AAS) .............................................. 49
Accounting Assistant–Bookkeeping Emphasis (ATC) ............ 50
Accounting Assistant–Bookkeeping Emphasis (ITC) .............. 51
Administration and Board ................................................. 360
Administrative Office Management Technology (AAS) ........... 52
Administrative Office Technology (BTC) ............................... 54
Admissions ..................................................................... 19
Advising Services .......................................................... 32
Allied Health (ALTH) ....................................................... 198
American Indian Studies (AA) ......................................... 55
American Indian Studies (AC) .......................................... 56
American Indian Studies (AIST) ....................................... 199
American Sign Language (ASL) ...................................... 200
American Sign Language Studies (AA) .............................. 57
Anthropology (AA) .......................................................... 58
Anthropology (ANTH) ...................................................... 202
Applied Technology (ATEC) ............................................. 203
Art (AA) ....................................................................... 59
Art (ART) ...................................................................... 204
Arts, Communication, and Humanities ............................... 38
Autobody and Paint Technology ITC ................................. 60
Automotive Technology (AAS) .......................................... 61
Automotive Technology (ATC) ......................................... 63
Automotive Technology (AUTO) ....................................... 207
Automotive Technology (ITC) .......................................... 64

B
Bacteriology (BACT) ......................................................... 209
Biology (BIOL) .............................................................. 210
Biology, Botany, and Zoology (AS) .................................. 65
Botany ........................................................................ 212
Business Administration and Management ......................... 38
Business Administration (BUSA) ...................................... 213
Business (AS) .................................................................. 66
Business Leadership (BLDR) ............................................ 215

C
Cardinal Learning Commons (CLC) .................................. 217
Carpentry and Construction Technology (ITC) .................... 73
Carpentry (CARP) ........................................................... 218
Chemistry (AS) .............................................................. 74
Chemistry (CHEM) ........................................................ 221
Child Development (AC) ............................................... 75
Child Development (AS) .................................................. 76
Child Development Associate Credential Program (AC) ....... 78
Child Development (CHD) ............................................... 223
Cinema Arts (CINA) ......................................................... 225
Coeur d'Alene Language (CDA) ........................................ 226
College Calendar 2021-2022 ............................................ 6
Collision Repair Technology (ACRR) ................................. 227
Communication - Journalism (COMJ) ............................... 228
Communication - Speech (COMM) ................................... 229
Communication (AA) ..................................................... 79
Communication (AC) ..................................................... 80
Computer Aided Design Technology (CADT) ..................... 230
Computer Aided Design Technology–Architectural Design Option (ITC) .................................................. 81
Computer Applications & Office Technology (CAOT) .......... 232
Computer Applications (BTC) ......................................... 82
Computer Information Technology (AAS) ......................... 83
Computer Information Technology (ATC) ......................... 85
Computer Information Technology (CITE) ........................ 236
Computer Information Technology (ITC) ........................... 86
Computer Science (AS) ................................................. 87
Computer Science (CS) ................................................... 240
Construction Management (AAS) ................................... 88
Construction Management (CMGT) .................................. 242
Course Offerings ............................................................ 195
Credit for Prior Learning (CPL) ........................................ 243
Criminal Justice (AA) ..................................................... 90
Criminal Justice (CJ) ....................................................... 244
Culinary Arts (AAS) ....................................................... 91
| **Culinary Arts (ATC)** | 92 |
| **Culinary Arts (CULA)** | 245 |
| **Culinary Arts (ITC)** | 93 |
| **Cybersecurity and Networking (BTC)** | 94 |
| **D** |  |
| **Dance (DANC)** | 248 |
| **Dental Hygiene (AAS)** | 95 |
| **Dental Hygiene (DENT)** | 249 |
| **Diesel Technology (AAS)** | 97 |
| **Diesel Technology (ATC)** | 98 |
| **Diesel Technology (DSLT)** | 252 |
| **Diesel Technology (ITC)** | 99 |
| **Diversity (AC)** | 100 |
| **E** |  |
| **Economics (ECON)** | 254 |
| **Education - Elementary or Middle School Teacher Education (AA)** | 101 |
| **Education - Secondary Education (AA)** | 102 |
| **Education (EDUC)** | 255 |
| **Engineering (AS)** | 103 |
| **Engineering (ENGR)** | 256 |
| **English (AA)** | 105 |
| **English Career and Technical (ECTE)** | 261 |
| **English (ENGL)** | 257 |
| **Entrepreneurship (AC)** | 107 |
| **Entrepreneurship (ENTP)** | 262 |
| **Environmental Science (AS)** | 108 |
| **Environmental Science (ENSI)** | 263 |
| **F** |  |
| **Faculty** | 361 |
| **Financial Aid** | 23 |
| **Fire Fighter 1 (BTC)** | 109 |
| **Fire Service Technology (AAS)** | 110 |
| **Fire Service Technology (FST)** | 264 |
| **Foreign Language (FLAN)** | 265 |
| **Forestry/Wildlife/Range Management (AS)** | 111 |
| **French (FREN)** | 266 |
| **G** |  |
| **General Information** | 10 |
| **General Studies (AA)** | 112 |
| **General Studies (AC)** | 113 |
| **Geographic Information Science & Technology (GIST)** | 267 |
| **Geography (GEOG)** | 268 |
| **Geology (AS)** | 114 |
| **Geology (GEOL)** | 269 |
| **German (GERM)** | 270 |
| **Graphic and Web Design AAS** | 115 |
| **Graphic and Web Design ATC** | 116 |
| **Graphic and Web Design ITC** | 117 |
| **Graphic Design (GDES)** | 271 |
| **H** |  |
| **Health Information Fundamentals (ITC)** | 118 |
| **Healthcare** | 38 |
| **Healthcare Document Management (BTC)** | 119 |
| **Healthcare Informatics (HICT)** | 274 |
| **Heating, Ventilation, AC, & Refrigeration (HVAC)** | 275 |
| **Heating, Ventilation, Air Conditioning, and Refrigeration (ITC)** | 120 |
| **History (AA)** | 121 |
| **History (HIST)** | 276 |
| **Hospitality (HOSP)** | 278 |
| **Hospitality Management (AAS)** | 122 |
| **Hospitality Management (ATC)** | 123 |
| **Hospitality Management (ITC)** | 124 |
| **Human Resource Assistant (HRA)** | 280 |
| **Humanities (AA)** | 125 |
| **Humanities (HUMS)** | 281 |
| **I** |  |
| **Important Information for Students** | 16 |
| **Industrial Mechanic/Millwright (ITC)** | 126 |
| **Interdisciplinary Studies (AA)** | 127 |
| **Interdisciplinary Studies (INTR)** | 282 |
| **Interest Areas** | 38 |
| **Interstate Passport - WICHE** | 45 |
| **Italian (ITAL)** | 286 |
| **J** |  |
| **Journalism (AA)** | 128 |
| **L** |  |
| **Law Enforcement (AAS)** | 129 |
| **Law Enforcement (BTC)** | 132 |
| **Law Enforcement (ITC)** | 131 |
| **Law Enforcement (LAWE)** | 287 |
| **M** |  |
| **Machine Technology (MACH)** | 288 |
Machining and CNC Technology (AAS) ........................................ 133
Machining and CNC Technology (ATC) ................................ 135
Machining and CNC Technology (ITC) ................................ 137
Maintenance Mechanic/Millwright (MM) ............................... 290
Manufacturing and Trades .................................................... 39
Mathematics (AS) .............................................................. 138
Mathematics Career & Technical (MCTE) ............................. 294
Mathematics (MATH) ......................................................... 291
Mechanical Design Engineering Technology (AAS) ................ 139
Mechanical Design Engineering Technology (ATC) ................ 140
Mechanical Design Engineering Technology (ITC) ............... 141
Mechanical Design Engineering Technology (MDET) .......... 295
Mechatronics (AAS) .......................................................... 142
Mechatronics (ATC) .......................................................... 144
Mechatronics (ITC) ........................................................... 145
Mechatronics (MECH) ....................................................... 296
Medical Administrative Assistant (AAS) ............................... 146
Medical Assistant (AAS) ..................................................... 147
Medical Assistant (ITC) ...................................................... 148
Medical Assistant (MAST) ................................................. 297
Medical Billing Specialist (AAS) .......................................... 149
Medical Laboratory Technology (AAS) ................................ 150
Medical Laboratory Technology (MLT) ............................... 299
Medical Receptionist (ITC) ............................................... 152
Military Science (MSA) ....................................................... 301
Modern Languages (AA) .................................................... 153
Music - Applied (MUSA) .................................................... 303
Music - Composition (MUSC) ............................................ 308
Music - Humanities (MUSI) ............................................... 309
Music - Performance (MUSP) ............................................ 310
Music (AA) ......................................................................... 154

Network Security Administration (AAS) ............................... 156
Network Security Administration (ATC) ............................... 158
Network Security Administration (ITC) ............................... 160
Nursing (NURS) .............................................................. 312
Nursing: Practical Nursing (P.N.) (ITC) ............................... 161
Nursing: Registered Nursing (R.N.) (AS) .............................. 162

Office Specialist/Receptionist (ITC) ....................................... 165
Office Technology (ITC) ...................................................... 166
Outdoor Recreation Leadership (AAS) ................................. 167

Outdoor Recreation Leadership (ATC) ................................ 168
Outdoor Recreation Leadership (ITC) ................................ 169

Paralegal (AAS) .................................................................. 170
Paralegal (PLEG) .............................................................. 315
Pharmacy Technology (PHAR) ........................................... 317
Philosophy (AA) ............................................................... 171
Philosophy (PHIL) ............................................................ 318
Photography (AA) ............................................................. 172
Photography (PHTO) ........................................................ 320
Physical Education (AS) ..................................................... 173
Physical Education (PE) ...................................................... 321
Physical Therapist Assistant (AAS) ...................................... 175
Physical Therapist Assistant (PTAE) ................................. 337
Physics (PHYS) ................................................................. 339
Physics/Astronomy (AS) ...................................................... 177
Political Science and Pre-Law (AS) ....................................... 178
Political Science (POLS) ..................................................... 340
Pre-Medical Nursing (PN) .................................................. 341
Pre-Medical Related Fields (AS) ......................................... 179
Pre-Microbiology/Medical Technology (AS) ...................... 180
Pre-Nutrition (AS) ............................................................. 181
Pre-Physical Therapy (AS) .................................................. 182
Pre-Veterinary Medicine (AS) ............................................. 183
Program Offerings ............................................................. 34
Psychology (AS) ............................................................... 184
Psychology (PSYC) .......................................................... 342

Radiography Technology (AAS) .......................................... 185
Radiography Technology (RADT) ....................................... 343
Resort Recreation Management (RRM) ............................... 346

Science, Technology, Engineering, and Mathematics ............ 39
Social Science (SOSC) ......................................................... 350
Social Sciences and Human Services ................................. 39
Social Work (AA) .............................................................. 186
Social Work (SOWK) ........................................................ 348
Sociology (AA) ................................................................. 187
Sociology (SOC) ............................................................... 349
Spanish (SPAN) .............................................................. 351
Surgical Technology (AAS) ............................................... 188
Surgical Technology (SURG) ............................................... 352
Terminology and Acronyms ..................................................... 13
Theatre (AA) ................................................................. 189
Theatre (THEA) ............................................................ 354
Tuition and Fees Information .................................................. 25

Virtual Administrative Assistant (ITC) ................................. 190

Wastewater Technology (WWTR) ...................................... 358
Wastewater Treatment Plant Technology (AAS) .................. 191
Welding Technology (AAS) ............................................... 192
Welding Technology (ATC) ............................................... 193
Welding Technology (ITC) ............................................... 194
Welding (WELD) ........................................................ 356
Workforce Training ......................................................... 33

Zooology (ZOOL) .......................................................... 359
To ensure a safe and healthy environment for students, employees, and visitors, North Idaho College prohibits the use of any tobacco products including e-cigarettes and smokeless tobacco products on campus.
**Building Information**

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 McLain Hall (MCL)</td>
<td>Outdoor Center, Graphic and Web Design Program</td>
</tr>
<tr>
<td>2 Lee-Kildow Hall (LKH)</td>
<td>Cardinal Central (Campus Information, Student ID, Parking Services), Admissions, Office of Finance and Business, Financial Aid, Student Finance, Registrar, Cardinal Learning Commons (Math Education Center, Academic Tutoring), English and Humanities Division, Social and Behavioral Sciences Division, Center for New Directions, Dual Credit</td>
</tr>
<tr>
<td>3 Christianson Gymnasium (GYM)</td>
<td>Athletics Department, Gymnasium</td>
</tr>
<tr>
<td>4 Edminister Student Union Building (SUB)</td>
<td>Market Food Court, Caffeinated Cardinal, Cardinal Bookstore, ASNC Student Government Offices, Student Services (Advising), Career Services, Veteran and Military Family Services, Auxiliary Services, American Indian Student Advisor, TRIO, Food Pantry, Student Involvement, Title IX and Student Conduct, Victim Advocate and Violence Prevention</td>
</tr>
<tr>
<td>5 Meyer Health and Sciences Building (MHS)</td>
<td>Health Professions and Nursing Division, Natural Sciences Division, Labs, DeArmond Auditorium, Rolphie Auditorium</td>
</tr>
<tr>
<td>6 Siebert Building (SBT)</td>
<td>Information Technology, The Sentinel, Mail and Copy Center, Fleet Services</td>
</tr>
<tr>
<td>7 Industrial Arts (IND)</td>
<td>Carpentry Lab</td>
</tr>
<tr>
<td>8 Residence Hall (RES)</td>
<td>Student Housing</td>
</tr>
<tr>
<td>9 Post Hall (PST)</td>
<td>Athletics Department, Physical Education, Dance, and Resort/Recreation Management Division</td>
</tr>
<tr>
<td>10 Fort Sherman Officers’ Quarters (FSQ)</td>
<td>Heritage Conference Room</td>
</tr>
<tr>
<td>11 Workforce Training Center</td>
<td>Workforce Training, Community Education</td>
</tr>
<tr>
<td>12 Lakeside Center (LKC)</td>
<td>Children’s Center</td>
</tr>
<tr>
<td>13 Winton Hall (WIN)</td>
<td></td>
</tr>
<tr>
<td>14 Bob and Leona DeArmond Building (DARM)</td>
<td>New Student Welcome Center, University of Idaho Office, Lewis-Clark State College Office</td>
</tr>
<tr>
<td>15 Lee Hall Annex (LHA)</td>
<td>Writing Center, Modern Languages Lab</td>
</tr>
<tr>
<td>16 Seiter Hall (STR)</td>
<td>Math, Computer Science, and Engineering Division, Counseling, Disability Support Services</td>
</tr>
<tr>
<td>17 Fort Sherman Powder Magazine (FSM)</td>
<td>Study Area/Meeting Space</td>
</tr>
<tr>
<td>18 Hedlund Building (HED)</td>
<td>Emery’s Restaurant, Gizmo-CDA, Idaho Small Business Development Center, Venture Center, Business and Professional Programs Division, Job Corps, University of Idaho</td>
</tr>
</tbody>
</table>

**Campus Parking & Parking Services**

All passenger vehicles with the exception of those with a handicap plate/placard and motorcycles are required to display a current parking permit during the fall and spring academic semesters. Parking permits are to be displayed from the vehicle rear view mirror with the front of the permit facing outward. Rosenberry Drive, Hubbard Ave, and parking lot A do not require parking permits. Permits during the academic semesters are required Monday – Thursday from 7:30 a.m. to 4 p.m. and on Friday from 7:30 a.m. to 2:30 p.m. Please visit nic.edu/parking for regulations, information and online services.

**Student and Employee Permits**

Parking permits are required from 7:30 a.m. to 4 p.m. Monday through Thursday, and 7:30 a.m. to 2:30 p.m. Friday. Vehicle registration forms/permit tags are purchased online. Vehicle permits are not required for Summer Session classes.

**Emergencies**

Call 911 for any crime or medical emergency that is in progress, also call NIC Security at (208) 769-3310. Contact NIC Security to report any suspicious behavior, request a security escort, or other assistance.

**Metered Parking**

All vehicles parked at the meters are required to pay during the time when parking permits are required. Vehicles displaying a parking permit are required to pay when parking at the meters. Vehicles with handicap plates or placard may park at the meters for free.

**Visitor Permits**

Visitor passes are required between 7:30 a.m. to 4 p.m. Monday through Thursday and 7:30 a.m. to 2:30 p.m. Friday. Visitor passes are available in the Switchboard/Information Office in the Sherman Building, the DeArmond Building, and Cardinal Central in Lee-Kildow Hall. A visitor is defined as any person other than a student, staff, or faculty member of North Idaho College. Visitor permits are free.

**Winter Parking**

From November 1 through March 15, do not park vehicles overnight on college streets, College Drive and West Garden Avenue, or parking lots other than the west row of the North Molstead lot (look for the overnight parking signs). Overnight parking will be enforced seven days a week from midnight to 6 a.m. Vehicles parked in areas other than the North Molstead lot during the winter will be issued citations and towed when snow removal is in progress.

**Citations**

Illegally parked vehicles and/or vehicles without a visible permit will be ticketed. Fines are payable online at nic.edu/parking. The fine will be reduced if paid within seven days. Fines are not reduced for handicap and fire lane violations. An additional fine will be assessed if the fine remains unpaid after 30 days. Students with unpaid parking tickets may lose course registration privileges and/or be placed on Academic Hold.

**Appeal Process**

An appeal must be made within seven business days of the date of citation. Appeal parking citations online at nic.edu/parking.

**Security**

(208) 769-3310

- **Campus Security**
  - 703 Military Drive, Coeur d’Alene, ID 83814
  - Security reports, fire reports, crime statistics, and safety tips: nic.edu/security

- **Off-Campus Locations**
  - NIC at Sandpoint
    - (208) 263-4594
    - 102 S. Euclid, Suite 309
    - Sandpoint, ID 83864
  - Workforce Training Center
    - (208) 769-3214
    - 525 S. Clearwater Loop
    - Post Falls, ID 83854
  - Workforce Training Center Post Academy
    - Kaniksu Building
      - 310 S. Clearwater Loop
      - Post Falls, ID 83854
  - Parker Technical Education Center
    - (208) 769-4040
    - 7064 W. Lancaster Road
    - Rathdrum, ID 83858

r210908v1
### Instructional Programs

**Transfer Programs**

Prepares students for transfer to a four-year college. May lead to an Associate of Arts (A.A.) or Associate of Science (A.S.) Degree.

- American Indian Studies
- American Sign Language Studies
- Anthropology
- Art
- Biology, Botany, Zoology
- Business
- Chemistry
- Child Development
- Communication
- Computer Science
- Criminal Justice
- Education
- Engineering
- English
- Entrepreneurship
- Environmental Science
- Forestry/Wildlife/Range Management
- General Studies
- Geology
- History
- Humanities
- Interdisciplinary Studies
- Journalism
- Mathematics
- Modern Languages
- Music
- Nursing (RN)
- Philosophy
- Photography
- Physical Education
- Physics/Astronomy
- Political Science and Pre-Law
- Pre-Medical Related Fields
- Pre-Microbiology/Medical Technology
- Pre-Nutrition
- Pre-Physical Therapy
- Pre-Veterinary Medicine
- Psychology
- Social Work
- Sociology
- Theatre

**Career/Technical Programs**

Prepares students for immediate employment. May lead to a Technical Certificate or an Associate of Applied Science (A.A.S.) Degree.

- Accounting Assistant
- Administrative Office Management Technology
- Administrative Office Technology
- Autobody and Paint Technology
- Automotive Technology
- Business Management
- Carpentry and Construction Technology
- Computer Aided Design Technology
- Computer Applications
- Computer Information Technology
- Construction Management
- Culinary Arts
- Dental Hygiene
- Diesel Technology
- Fire Service Technology
- Graphic and Web Design
- Health Information Fundamentals
- Heating, Ventilation, Air Conditioning and Refrigeration
- Hospitality Management
- Industrial Mechanic/Millwright
- Law Enforcement
- Machining and CNC Technology
- Mechanical Design Engineering Technology
- Mechatronics
- Medical Administrative Assistant
- Medical Assistant
- Medical Billing Specialist
- Medical Laboratory Technology
- Medical Receptionist
- Network Security Administration
- Nursing (PN)
- Office Specialist/Receptionist
- Office Technology
- Outdoor Recreation Leadership
- Paralegal
- Physical Therapist Assistant
- Radiography Technology
- Surgical Technology
- Virtual Administrative Assistant
- Wastewater Plant Technology
- Welding Technology