

An aerial photograph of a city and a college campus, with a white jagged cutout shape overlaid on the right side. The city features a mix of residential and commercial buildings, including a prominent high-rise. The college campus is situated on a hillside, surrounded by dense evergreen and deciduous trees, with several large academic buildings and a central green space. A body of water is visible in the foreground and to the right.

NIC

2018 · 2019

CATALOG



North Idaho College

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INSTITUTIONAL INFORMATION

Board of Trustees

- **Christie Wood, Chair**
- **Brad Murray, Vice Chair**
- **Joe Dunlap, Secretary/Treasurer**
- **Todd Banducci, Trustee**
- **Ken Howard, Trustee**

President

- **Richard MacLennan, Ed.D**

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 2018-2019

May 2018

Date	Event
1	Summer Session textbooks available.
1	Priority deadline to apply for Fall Semester 2018 graduation.
3	Last day of regular Spring Semester classes.
4	Curriculum Day. Classes that meet at 4 p.m. or later are in session.
7-10	Final exams.
7-11	Spring Semester textbook buy back at the Cardinal Bookstore.
10	Spring Semester ends.
11	Commencement 10 a.m.
14	Four-week and eight-week career and technical education Summer Sessions begin.
15	Spring Semester final grades due by 10 a.m.
21	Summer Session financial aid charges begin.
28	Memorial Day. Campus closed.
31	Admission application deadline 5 p.m. for Summer Session.

June 2018

Date	Event
1-29	Summer Session financial aid charges continue through 2:30 p.m. June 29 at the Cardinal Bookstore.
3	Payment due for students registered for Summer Session.
4	Summer Session begins.
5	Payment required at time of registration or when Summer Session begins.
4-5	Summer Session course add/drops.
6-12	Summer Session course drops continue.
8	Four-week career and technical education Summer Session ends.
11	Attendance rosters for Summer Session course sections due by 10 a.m.
12	Drop for non-attendance of Summer Session course sections.
12	Last day for 100 percent refund for Summer Session.
12	Installment Payment Plan enrollment for Summer Session ends.
13	Summer Session course drops with a grade of W begins.
15	First Summer Session financial aid disbursement.
29	Summer Session financial aid charges end at 2:30 p.m. at the Cardinal Bookstore.

July 2018

Date	Event
2	Last day to withdraw from Summer Session or from college.
4	Independence Day. Campus closed.
6	Eight-week career and technical education Summer Session ends.
11	Second Summer Session financial aid disbursement.
16	Carpentry Summer Session begins.
27	Summer Session ends.
31	Final grades for Summer Session due by 10 a.m.

August 2018

Date	Event
6	Fall Semester financial aid charges begin and continue through 2:30 p.m. Oct. 26 at the Cardinal Bookstore
9	Admission application deadline 5 p.m. for Fall Semester.
9	Carpentry Summer Session ends
14	Faculty return to campus
14	Carpentry Summer Session final grades due by 10 a.m.
15	Housing and tuition charges due by 5 p.m. for students residing in the Residence Hall.
19	Payment due for students registered for Fall Semester.
20	Fall Semester begins.
20	Payment required at time of registration.
20-21	Summer Session textbook buy back at Cardinal Bookstore from 8 a.m. to 4 p.m.
20-26	Fall Semester course add/drops
21	Day of Welcome: All student welcome event 11:30 a.m.-1 p.m. behind the SUB
27-31	Fall Semester course drops continue.
28	Last day to submit a SAP appeal for the beginning of fall semester
31	Attendance rosters for Fall Semester course sections due by 10 a.m.

September 2018

Date	Event
1-2	Fall Semester course drop continue.
3	Labor Day. Campus closed.
4	Drop for non-attendance of Fall Semester course sections.
4	Last day to receive 100 percent refund for Fall Semester 2017.
4	Installment Payment Plan enrollment for Fall Semester ends.
4	Financial aid eligibility determined by number of credits on this date.

5	Fall Semester course drops with a grade of W begin.
7	First Fall Semester financial aid disbursement.

October 2018

Date	Event
1	Financial Aid FAFSA forms available online at www.fafsa.ed.gov (http://www.fafsa.ed.gov) for 2018-2019.
1	Incomplete grades due for 2018 Spring Semester and Summer Session.
8-12	Fall Semester midterm exams.
15-19	Fall SAP appeals accepted for current students.
16	Fall Semester midterm grades due by 10 a.m.
23	Advising Day. Classes that meet at 4 p.m. or later are in session.
26	Fall Semester financial aid charges end at 2:30 p.m. at the Mica Peak Exchange bookstore.
29	Registration begins for continuing students for Spring Semester.

November 2018

Date	Event
1	Priority deadline to apply for Spring Semester 2019 graduation.
2	Registration begins for continuing dual credit students for Spring Semester.
2	Second Fall Semester financial aid disbursement.
2	Last day to withdraw from full-semester Fall Semester courses or college.
5	Registration begins for former students for Spring Semester.
12	Registration begins for new students including dual credit and non-degree for Spring Semester.
21-23	Thanksgiving Holiday. Campus closed.

December 2018

Date	Event
3	Textbooks available for Spring Semester.
6	Last day of regular Fall Semester classes.
7	Curriculum Day. Classes that meet at 4 p.m. or later are in session.
10-13	Fall Semester textbook buy back at the Cardinal Bookstore.
10-13	Final exams.
13	Admission application deadline 5 p.m. for Spring Semester.
13	Fall Semester ends.
18	Fall Semester final grades due by 10 a.m.
25	Christmas Day. Campus closed.
26-31	Holiday Break. Campus closed.

January 2019

Date	Event
1	New Year's Day. Campus closed.
2	Spring Semester financial aid charges begin and continue through 2:30 p.m. March 16 at the Cardinal Bookstore.
8	Faculty return to campus.
9	Housing and tuition charges due by 5 p.m. for students residing in the Residence Hall.
13	Payment due for students registered for Spring Semester.
14	Spring Semester begins.
14	Payment required at time of registration.
14-20	Spring Semester course add/drops.
15	Payment plan registration ends.
21	Martin Luther King, Jr. Holiday. Campus closed.
21-29	Spring Semester course drops continue.
28	Attendance rosters for Spring Semester course sections due by 10 a.m.
29	Drop for non-attendance of Spring Semester course sections.
29	Last day for 100 percent refund for Spring Semester.
29	Installment Payment Plan registration for Spring Semester ends.
30	Spring Semester course drops with a grade of W begins.

February 2019

Date	Event
1	First Spring Semester financial aid disbursement.
18	Presidents' Day. Campus closed.
25	Incomplete grades due for Fall Semester 2018.

March 2019

Date	Event
1	Priority deadline to apply for Summer Session 2019 graduation.
1	Scholarship application priority deadline.
4-8	Spring Semester midterm exams continue.
4-8	Spring SAP appeals accepted for current students.
12	Spring Semester midterm grades due by 10 a.m.
22	Spring Semester financial aid charges end at 2:30 p.m. at the Mica Cardinal Bookstore.
25-31	Spring Break. Classes not in session.

April 2019

Date	Event
1	Second Spring Semester financial aid disbursement.

1	Last day to withdraw from full-length Spring Semester courses.
11	Advising Day. Classes that meet at 4 p.m. or later are in session.
11	Registration begins for continuing students for Summer Session.
12	Registration begins for continuing dual credit students for Summer Session.
15	Registration begins for continuing students for Fall Semester.
19	Registration begins for continuing dual credit students for Fall Semester.
22	Registration begins for former students for Summer Session and Fall Semester.
29	Registration begins for new students including dual credit and non-degree for Summer Session and Fall Semester.

May 2019

Date	Event
1	Summer Session textbooks available.
1	Priority deadline to apply for Fall Semester 2019 graduation.
9	Last day of regular Spring Semester classes.
10	Curriculum Day. Classes that meet at 4 p.m. or later are in session.
13-16	Final exams.
13-17	Spring Semester textbook buy back at the Cardinal Bookstore.
16	Spring Semester ends.
17	Commencement 10 a.m.
20	Four-week and eight-week career and technical education Summer Sessions begin.
21	Spring Semester final grades due by 10 a.m.
27	Memorial Day Campus closed.
28	Summer Session financial aid charges begin.
31	Admission application deadline 5 p.m. for Summer Session.

June 2019

Date	Event
1-28	Summer Session financial aid charges continue through 2:30 p.m. June 28 at the Cardinal Bookstore.
2	Payment due for students registered for Summer Session.
3	Summer Session begins.
3	Payment required at time of registration.
3-4	Summer Session course add/drops.
5-11	Summer Session course drops continue.
10	Attendance rosters for Summer Session course sections due by 10 a.m.
11	Drop for non-attendance of Summer Session course sections.

11	Last day for 100 percent refund for Summer Session.
11	Installment Payment Plan enrollment for Summer Session ends.
12	Summer Session course drops with a grade of W begins.
14	First Summer Session financial aid disbursement.
14	Four-week career and technical education Summer Session ends.
28	Summer Session financial aid charges end at 2:30 p.m. at the Cardinal Bookstore.

July 2019

Date	Event
1	Last day to withdraw from Summer Session or from college.
4	Independence Day. Campus closed.
10	Second Summer Session financial aid disbursement.
12	Eight-week career and technical education Summer Session ends.
15	Carpentry Summer Session begins.
26	Summer Session ends.
30	Final grades for Summer Session due by 10 a.m.

GENERAL INFORMATION

About North Idaho College

Founded in 1933, North Idaho College is a comprehensive community college located on the beautiful shores of Lake Coeur d'Alene. NIC offers degrees and certificates in a wide spectrum of academic transfer, career and technical education, and general education programs. Approximately 5,300 students are enrolled in credit classes and more than 4,300 participate annually in non-credit courses offered by the Workforce Training Center in Post Falls.

The college serves a five-county region through regional centers in Bonners Ferry, Kellogg, and Sandpoint, as well as through an extensive array of Internet and interactive video conferencing courses. NIC also plays a key role in the region's economic development by preparing competent, trained employees for area businesses, industries, and governmental agencies.

NIC's campus is located in Coeur d'Alene, Idaho, a lakeside city with a growing population of 44,000 residents. Metropolitan amenities are close by with Spokane, Washington, a city of approximately 208,000 just 30 minutes away.

NIC offers Associate of Arts and Associate of Science Degrees in various college transfer programs, and Associate of Applied Science Degrees and technical certificates in its career and technical education programs.

Students obtaining an Associate of Arts or Associate of Science Degree can transfer with junior standing to all other Idaho public colleges and universities.

As one of three community colleges in the state (the other two being College of Southern Idaho and College of Western Idaho), North Idaho College works closely with its sister colleges and universities. NIC partners 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, an institutional accrediting body recognized by the Secretary of the U.S. Department of Education. Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. Accreditation by the Northwest Commission on Colleges and Universities 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.

Several of NIC's programs are also accredited by program accrediting agencies. The Associates 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 (CAAHEP/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).

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 of 1939. On July 31, 1971, the college changed its name to North Idaho College. NIC's service area is the Idaho Panhandle, which includes Kootenai, Benewah, Bonner, Boundary and Shoshone counties.

Open-Door Policy

NIC subscribes to the philosophy of the comprehensive community college, including an open-door admissions policy. To truly reflect its role as a community college, NIC accepts the fundamental responsibility to meet the varying needs of individuals with widely divergent interests and abilities. At the same time, NIC seeks to respond to the needs of area businesses, industries, and governmental agencies by preparing competent, trained employees.

The commitment to an open-door admissions policy is defined as providing all eligible students with access to appropriate educational offerings at the college. NIC enrolls students seeking a post-secondary education, but reserves the right to guide students into the courses and programs that will enhance their opportunities for success.

Certain 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 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.

A Senior Citizens Gold Card allows individuals 60 years of age and older to attend NIC-sponsored athletics and arts events free of charge. Gold Cards are available through the NIC Communications and Marketing Office.

Cardinal Card

The Cardinal Card Office is located in the plaza of the Edminster Student Union Building. All students and employees at North Idaho College and NIC-supported outreach centers are issued a Cardinal Card. This card serves as the college's official student/employee photo ID and should be carried at all times and made available to Campus Security upon request. The Cardinal Card is a multi-functional card used for electronic access to buildings/rooms and access to services in departments across campus. This card is used for identification, residence hall meal programs, financial aid verification, bookstore purchases, library services, printing services, access to student programming and the Student Recreation and Wellness Center, Outdoor Pursuit rentals, and admission to athletics events and the computer lab. In addition, Cardinal Cash may be added to the Cardinal Card. Cardinal Cash is a prepaid, declining balance account similar to a debit card. This allows flexible spending options for bookstore, printing, and dining services purchases. Lost, stolen, or damaged Cardinal Cards cost \$20 to replace.

NIC Foundation

The North Idaho College Foundation was founded in 1977 to encourage private support for the instructional mission of North Idaho College. The NIC Foundation is an independent, nonprofit charitable organization governed by a volunteer board of directors comprised of civic-minded community leaders.

The NIC Foundation works closely with the NIC trustees, the president, and college employees to secure support for various needs of the college. The foundation solicits, accepts, and manages both cash and non-cash gifts on behalf of NIC and invests and administers those funds to provide a source of financial support for the college.

Through contributions from donors of all walks of life, the NIC Foundation is helping to change lives. Student success is central to the foundation's efforts. Scholarship awards are nearing \$1 million annually, and \$10.3 million has been distributed to students since 1977. Students are encouraged to apply for scholarship opportunities through the Financial Aid Office. In addition, more than \$20 million has been invested in NIC facilities and expansion, including the Parker Technical Education Center, and the Meyer Health and Sciences Building, and \$1,263,578 has been distributed through the Foundation Grant Program that inspires creative and innovative teaching and support services since 1994.

The foundation raises funds through its annual and planned giving programs, scholarship drive, and community events. The foundation's Really BIG Raffle offers a grand prize of a \$300,000 custom home built by the NIC Carpentry program and more than \$35,000 worth of additional prizes each year.

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

NIC Alumni Association

The North Idaho College Alumni Association encourages a lifelong interest in the college by its alumni and friends. The association has found that many individuals cherish their experiences and

memories of NIC classmates, instructors, and friends and that these remain with them throughout their lifetimes. The NIC Alumni Association provides opportunities for alumni to serve NIC and its students. Membership in the association unites individuals in an organization of thousands of alumni who have chosen to express their active support for the college.

Membership is free, and requires completion of at least 12 academic credits or completion of the first semester of a certificate course or apprenticeship program. You do not need to be a graduate to become a member. Membership benefits include invitations to special events, Molstead Library privileges, eNewsletter subscription, and discounts at the Cardinal Bookstore and home athletics events.

Alumni Association members who graduated 2016 or later are eligible for a discounted membership at the NIC Student Wellness and Recreation Center.

To join, visit www.nic.edu/alumni or call (208) 769-5978.

The Alumni Office is located in the Sherman Building. Please stop by to visit if you come to campus.

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-in-aid 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 Cardinal Canine Club, WE Care Program, Cardinal Kids 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 Hague Memorial Cardinal Golf Classic, 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 year.

NIC Publications

Official North Idaho College publications, such as catalogs, brochures, course and fee schedules, etc., are not to be considered as 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 related decisions are made without regard to sex, gender, race, color, age, disability, religion, national origin, ethnicity, sexual orientation, 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.

COLLEGE TERMINOLOGY

Academic advisor: An academic advisor is a faculty member or staff person who is trained to assist students with educational planning and to promote a successful college experience.

Academic load: An academic load is the number of credit hours taken in one semester.

Academic probation: All colleges require students to maintain a minimum cumulative grade point average (GPA) to remain in school. Students who do not meet the minimum GPA will be placed on academic probation. Refer to the Academic Probation, Suspension, and Disqualification Policy for specifics.

Academic suspension: Students who do not meet the GPA requirements when on probation will be placed on suspension. Suspension requires a student sit out one semester, excluding Summer Session, following suspension. In extraordinary cases, students may petition the Admissions and Academic Standards Committee to be granted reinstatement from suspension and not sit out the required semester. Refer to the Academic Probation, Suspension, and Disqualification Policy for specifics.

Adding a course: A course that meets the entire fall or spring Semester may be added online the first week of the semester. A late-start or summer course may be added through the first two days of the course.

Address: *Permanent* - The student's home address. Residency is determined by this address. *Mailing* - The address used by a student while he/she 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: People who have graduated from the institution. A male is called an alumnus, while a female is called an alumna.

ACT and SAT: These are acronyms for the American College Test and the Scholastic Aptitude Test. Both tests are designed to measure a student's level of knowledge in basic areas such as math, science, English, and reading. Colleges may require the results of either the ACT or SAT before granting admission. NIC does not require ACT or SAT scores, but these scores may be used to satisfy assessment requirements for initial course placement.

Associate's degree: The associate's degree is granted upon completion of a program. Associate of Arts and Associate of Science Degrees are awarded to students who successfully complete programs designed for transfer to a baccalaureate-granting institution. The associate's degree requires completion of a minimum of 60 semester credits of 100- and 200-level courses with a cumulative GPA of 2.0.

Associate of Applied Science Degree: This degree is awarded to students who successfully complete a program designed to lead directly into employment in a specific career. The Associate of Applied Science Degree requires completion of a minimum of 60 semester credit hours with a cumulative GPA of 2.0.

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. 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 during the drop/add period only. With the instructor's permission, course enrollment may be changed from audit to credit during the first four weeks of the semester or the first two weeks of Summer Session. Audited courses do not apply to credit/course load requirements for financial aid.

Bachelor's degree (or Baccalaureate degree): This is the undergraduate degree offered by four-year colleges and universities. The Bachelor of Arts degree requires that a portion of the student's studies be dedicated to the arts - literature, language, music, etc. The Bachelor of Science degree requires that a portion of the studies be in the sciences - chemistry, biology, math, etc. The minimum credit hour requirement for a bachelor's degree is 120 semester hours.

Bookstore: Bookstores generally stock the books and materials required in all the courses offered at the institution. Bookstores also provide basic items and clothing items.

Cardinal Card: The college's official student/employee photo ID. The card also provides access to campus housing access, meal program service, financial aid verification, bookstore purchases, library services, and more. Refer to page 8 for more details.

Catalog: College catalogs provide all types of information parents and students need to know about a school. It typically includes the institution's history and philosophy, policies and procedures, accreditation status, courses of study, degrees and certificates offered, physical facilities, admission and enrollment procedures, financial aid, student life activities, etc. They are considered the student's contract with the institution.

Certificate programs: Certificate programs are designed to provide specific job skills.

The College Level Examination Program (CLEP): This program can be administered to students who desire to obtain college credit by taking proficiency tests in selected courses. If the student scores high enough on the test, college credit may be awarded. There is a charge for each test taken. Information concerning an institution's CLEP test policies may be found in the institution's catalog or website.

Concurrent enrollment student: A student who is enrolled at NIC and the University of Idaho or Lewis-Clark State College in Coeur d'Alene. Students must submit a concurrent enrollment form to the NIC Registrar's Office for verification of course enrollment.

Core courses: These are general education courses within various disciplines that require a C- or better to satisfy the distribution requirements for an associate's degree.

Corequisite course: A corequisite is a course that must be taken concurrently with another course or courses unless the corequisite has been previously completed with a minimum grade of C- or better.

Counselor: A counselor is a professional who is trained to assist students in overcoming personal barriers to success.

Curriculum: A curriculum is composed of those classes outlined by an institution for completion of a program of study leading to a degree or certificate.

Degree requirements: An institution's requirements for completion of a program of study. Requirements may include a minimum number of hours, required GPA, and prerequisite and elective courses within the specified major and/or minor areas of study.

Degrees: Degrees are awarded for the successful completion of a program.

Department: A department is the basic organizational unit in a higher education institution and is responsible for the academic functions in a field of study. It may also be used in the broader sense to indicate an administrative or service unit of an institution.

Division: A division represents a number of different units of a college or university:

1. an administrative division of an institution usually consisting of more than one department;
2. an academic division of an institution based on the year level of students; and
3. a service division of an institution that is composed of a number of service departments, such as the Student Services Division.

Dropping a course: A course may be dropped online without a grade of W (withdrawal) being recorded during the drop period. A course dropped online after the drop period will be reflected with a grade of W on the official transcript.

Dual credit: Dual credit allows eligible high school juniors and seniors to enroll in NIC courses on campus or at their high schools. Credit for both high school and college may be awarded. Students enrolled in NIC courses will receive an NIC transcript. These credits transfer to many regionally accredited colleges and universities across the nation.

Elective: An elective is a course that is not specifically required and may be selected by the student based on personal preference and educational objectives.

Extra-curricular activities: These are non-classroom activities that can contribute to a well-rounded education. They can include such activities as athletics, clubs, student government, recreational and social organizations, and events.

Faculty: The faculty are the individuals who teach classes.

Fees: Fees are additional charges not included in the tuition. Fees may be charged to cover the cost of materials and equipment needed in certain courses and they may be assessed for student events, programs, and publications.

Final exams (Finals): These end-of-the-semester exams are either given during the last week of courses each semester or during a specific week called Finals Week. The type of final administered in a course is left to the discretion of the instructor. Final exams given during Finals Week are given on specified dates that may be different than the regular course time and are

usually two hours in length. Finals schedules are published online each semester.

Financial aid: Aid for paying college expenses is made available through 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" to meet or defray the cost of college. The types and amounts of aid awarded are based on financial need, available funds, student classification, academic performance, and sometimes the timeliness of application.

Free Application for Federal Student Aid (FAFSA): This is a 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/Part-time enrollment: A full-time student is enrolled in 12 or more credit hours per semester. A part-time student is enrolled in less than 12 credit hours per semester.

Gateway Courses: Courses identified in program maps as good early indicators of student readiness for further study. These courses typically include key topics, concepts and learning expectations that are foundational to the program. The college builds supports for student success into these courses given their importance for student progress in a given field. Students who have difficulty in these courses benefit from consideration of possible redirection to another area of study better suited to their aptitudes and interests.

Honor roll: Students are placed on honor rolls for GPAs above certain specified levels. Criteria for President's, Dean's, or other honor rolls vary at different institutions. In most cases, students must be enrolled full time to be eligible.

Hybrid course: These courses provide multiple learning environments for interactions among students and instructors. They include required hybrid and face-to-face components. The face-to-face components are reduced, but not eliminated. Note: The hybrid component is technology-based and often consists of web-based instruction requiring the students to have some computer skills.

Interactive video conference course (IVC): These courses are 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 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 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).

Internet course: Internet courses are delivered through a website.

Junior/community college: A junior/community college is often called a two-year institution of higher education. Course offerings generally include a transfer curriculum with credits transferable toward a bachelor's degree at a four-year college, and an occupational or technical curriculum with courses of study designed to prepare students for employment in two years or less.

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

Lecture/laboratory/discussion courses: In lecture courses, students attend class on a regular basis and the instructor lectures on course material. Laboratory courses require students to perform certain functions in controlled situations that help them test and understand what is being taught in the lecture. Discussion courses, sometimes called seminar courses, offer students the opportunity to talk about material being taught, ask questions, and discuss material with their classmates.

Letter grades/Grade Point Averages (GPA): Most colleges use both letter grades and GPAs in determining students' grades. Most colleges figure GPAs using the following method: As are worth 4 points; Bs are worth 3 points; Cs are worth 2 points; Ds are worth 1 point; and Fs are worth 0 points. To figure a GPA, multiply the number of credit hours a course is worth by the number of points for the letter grade, then add up the totals for each course and divide by the number of attempted credit hours.

Major/Minor: A major is a student's chosen field of study that usually requires the successful completion of a specified number of credit hours. A minor is designated as a specific number of credit hours in a secondary field of study.

Matriculated/Non-Matriculated (Degree Seeking/Non-Degree Seeking): Students who are matriculated are working toward a degree or certificate and have completed the admissions process, which includes application, payment of application fee, and provision of high school and/or college transcripts. Matriculated students are eligible to apply for financial aid. Non-matriculated students are not working toward a degree from North Idaho College and are not eligible for financial aid or participation in varsity athletics.

Mid-term exams: During the middle of each semester, instructors may give mid-term exams that test students on the material covered during the first half of the semester. Some courses have only two tests, a mid-term and a final.

Milestone Courses: Courses identified in program maps to mark key achievement along the path to a certificate or degree. These courses serve as intermediate goals to focus effort and further direct the student toward completion. Milestone courses may draw together foundational knowledge, integrate learning, and foster key co-curricular experience. They highlight the way forward and may have specific college supports or resources built into them.

Non-credit courses: Courses that have zero credit hours and do not meet the requirements for a certificate or a degree at a given institution. Non-credit courses may serve one of several purposes: to explore new fields of study, increase proficiency in a particular skill area or profession, develop potential, or enrich life experiences.

Open-door institution: Open-door institutions are usually public junior/community colleges. The term "open-door" refers to an admission policy that states that anyone who meets certain age requirements can be admitted. Open-door admissions policies do not mean that students can take any courses that they choose. Students must meet course prerequisites in order to enroll in specific courses.

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. Maps of program course sequences with related co-curricular activities and experiences that promote student completion of the certificates and degrees are a centerpiece of pathways at NIC.

Prerequisite: A prerequisite is a condition that must be met before a student can enroll in a course. This may include, but is not limited to, completion of other courses with a C- or better, acceptance in other programs, sophomore standing, instructor permission, and prescribed test scores. For example, Accounting I is a prerequisite for Accounting II.

Private/Public institutions: Private and public institutions differ primarily in terms of their source of financial support. Public institutions receive funding from the state or other governmental entities and are administered by public boards. Private institutions rely on income from private donations, or from religious or other organizations and student tuition.

Resident/Non-resident status: The amount of tuition a student pays to a public (state supported) college is determined by the student's state residence status. If a student is a resident of the state, then the student pays a lower tuition rate. A non-resident will pay a higher tuition rate. Residency requirements vary from state to state, but are determined by the student's place of residence or his/her parents' place of residence if the student is younger than a certain age. Tuition rates for private colleges are not based on residency.

Schedule of classes: With the help of academic advisors or faculty advisors, students make up their own individual class schedules for each semester they are enrolled. Courses are designated in the online Class Schedule by course department, course number, time and days the course meets, the room number, building name, and the instructor's name.

Service Learning: Service Learning combines academic studies with community service by linking the theory and content of a course with the practical application of the course's concepts in a community setting. The Service Learning assignment, which is optional, requires 15-20 hours outside the classroom during the semester (in lieu of other course assignments comparable to

15-20 hours). Career exploration may be an added benefit to this type of class.

Short-term course: A course that begins at the start of a term or semester and ends early.

Syllabus: A course syllabus is a summary of the course. It usually contains specific information about the course; information on how to contact the instructor, including the instructor's office location and office hours; an outline of what will be covered in the course, with a schedule of test dates and due dates for assignments; the grading policy for the course; and specific classroom rules. It is usually given to each student during the first class session.

Transcript: The transcript is a student's permanent academic record. It may show courses attempted, grades received, academic status, and honors received. Colleges do not release transcripts if a student owes money to the college. Transcripts are maintained and sent from the Registrar's Office.

Transfer of credits: Some students attend more than one institution during their college careers and will wish for accumulated credit hours from the former institution to transfer to the new one. To transfer credits, a student must have an official transcript sent to the new institution, which will determine which courses will apply toward graduation requirements.

Tuition: Tuition is the amount paid for each credit hour of enrollment. Tuition does not include the cost of books, fees, or room and board. Tuition charges vary from college to college and are dependent on such factors as resident or out-of-state status, level of classes enrolled in (lower, upper, or graduate division), and whether the institution is publicly or privately financed.

Tutors: A tutor is a person, generally another student, who has completed and/or demonstrated proficiency in a course or subject, and is able to provide instruction to another student. Tutoring is free for all NIC students. See the *Cardinal Learning Commons* website for more details.

Undergraduate: An undergraduate is a student who is pursuing either a certificate, an associate's or a baccalaureate degree.

University: A university is composed of undergraduate, graduate, and professional colleges and offers degrees in each.

Waitlist: If a class is full, a student may choose to add themselves to a waitlist for that course section. If a seat becomes available, the student will be added to that course and notified via their Cardinal Mail student email account. Waitlists are active from the time registration for a term begins until the add/drop period ends for that course. Waitlists are not available for all courses.

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 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" listed below 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 federally- or state-supported educational program or in connection with the enforcement of the federal or state legal requirements which will not permit the personal identification of students and their parents to 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:

1. Student's name
2. Student's address
3. Student's phone number
4. Email address
5. Dates of attendance
6. Freshman/sophomore classification
7. Previous institutions attended
8. Major field 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 the Registrar's Office that the college not release directory information.

The Registrar's Office 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.

Finally, the college 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 the Registrar's Office. 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 other 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 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 university.

Sexual harassment is a form of sex discrimination prohibited by Title IX. Sexual harassment is unwelcome conduct of a sexual nature. Sexual harassment 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 Coordinator for assistance. The Title IX Coordinator 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 Coordinator for investigation and shall be subject to the STUDENT CONDUCT CODE.

The Title IX Coordinator for North Idaho College is:
 Alex Harris
 Title IX Coordinator
 Director of Student Development
 Office: Edminster Student Union Building, 200E
 Phone: (208) 769-5970 / (208) 676-7156
 Email: alex.harris@nic.edu

Drug-Free Schools and Campuses Act

NIC is committed to maintaining an environment of teaching and learning that is free of illicit drugs and alcohol. The college prohibits illegal possession, consumption, manufacture, and distribution of alcohol and drugs by students in college-owned, -leased, or -operated facilities and on campus grounds. Individuals who violate college policies, city ordinances, state, or federal laws may be subject to disciplinary action and/or criminal prosecution. Student sanctions, as detailed in the Student Code of Conduct, may include warning, censure, fines, disqualification, suspension, expulsion, restitution, as well as required attendance at educational programs. More information is available at www.nic.edu.

Tobacco-Free Campus Guidelines

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 except for in designated areas.

Campus Parking

The goal and objective of campus parking is to expedite the safe and orderly conduct of campus business and to provide parking facilities within the limits of available space. Permits are available to purchase online through MyNIC, as well as in person at the Parking Services Office, Edminster Student Union Building, and Cardinal Card Office. All motor vehicles excluding handicap and motorcycle parking on the NIC Coeur d'Alene campus (including Garden and College avenues) must display a valid parking permit for each vehicle during fall and spring semesters. Parking permits are also required at the Parker Technical Education Center. For a complete listing of permit service and enforcement, visit www.nic.edu/parking.

Campus Security Policy and Campus Crimes Statistics Act

Higher education institutions are required to publish and provide campus security information to students and staff.

NIC's campus safety policies, programs, and campus crime statistics are available at the Campus Security Office in the Headwaters Complex at 703 Military Drive, Coeur d'Alene or by calling (208) 769-3310 or at 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 North Idaho College'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 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 is available upon request, by calling (208) 769-3310. The Annual Security and Fire Report will provide crime and fire data for North Idaho College. Updates to security policies and procedure 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 will be answered 24/7/365. The Campus Security Office is located at 703 Military Drive.

Emergency Phones

Emergency phones are located throughout the campus grounds. These phones are mounted on freestanding poles and are identified with a flashing blue light. Each phone dials directly to the Campus Security Office. These 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. As an institution, North Idaho College has several notification systems used during campus emergencies. The Alertus 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 Cardinal Contact 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 Cardinal Contact 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." The phone numbers listed as "Cell" will receive text messages via the Cardinal Contact system. The phone numbers listed as "Business" or "Home" will receive voicemail. More lockdown and shelter-in-place guidelines are available at www.nic.edu/security. There, you can also watch the

emergency preparedness video to review responses in an active shooter situation. The college will test emergency procedures each semester with a college-wide drill.

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.

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 ADA Amendments Act (ADAAA), 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 to view the entire Service Animal Policy.

Nondiscrimination Clause

North Idaho College does not discriminate on the basis of race, color, religion, sex, national origin, age, or disability in any educational programs or activities receiving federal financial assistance or in employment practices.

Inquiries regarding compliance with this non-discrimination policy and the college's grievance process may be directed to the Executive Director of Human Resources at the NIC Human Resources Offices Headwaters Complex B, 710 Military Drive, Coeur d'Alene, Idaho, 83814, (208) 769-3272 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 anyone seeking to benefit from our educational programs and services regardless of race, religion, color, national origin, sex, and/or disability. Our open-door policy results in a diverse student population with varied experiences, backgrounds, abilities, interests, needs, and educational goals. Selective and limited enrollment programs and certain courses have special requirements for admission and registration.

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. OR
Official home school transcript showing high school/secondary school graduation. OR
Official GED test scores.
- Take the NIC placement for English and Math, found at www.nic.edu/placement or submit a copy of your ACT or SAT scores. Test scores are valid for two years and used to place students in appropriate coursework, not to determine admission status.

Former Students

Students who have previously attended NIC need to reactivate their files by reapply for admission 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 NIC as non-degree seeking students by filling out a non-degree application at www.nic.edu/apply. The following conditions apply to non-degree seeking students.

- Non-degree students are not admitted to an academic program.
- Non-degree students are not eligible to receive financial aid.
- Non-degree students must apply as a degree-seeking student if they wish to pursue a degree or certificate, available online at www.nic.edu/apply.

Non-High School Graduates

Non-high school graduates who want to be admitted as a degree-seeking student may do so after passing the high school level General Educational Development (GED) tests.

International Students

North Idaho College welcomes the enrollment of qualified international students. In addition, the college encourages

currently enrolled international students to participate in the educational, social, and cultural activities of the local community.

International students must meet the same admissions requirements as domestic students. Students must have graduated from a secondary school and have the minimum English abilities to succeed in college. International students who are transferring from a college or university must have a minimum 2.00 grade point average.

All application materials from students living abroad should be sent to the Admissions Office 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.
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 those documents that are not in English).
4. Official Test of English as a Foreign Language (TOEFL) Scores. Minimum scores are 500 (paper-based), 173 (computer-based), and 61 (Internet-based) or official International English Language Testing (IELTS) scores. Minimum score of 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 will not bear responsibility for an international student's finances. For the current tuition and fees schedule, visit www.nic.edu/tuition.

Fees	Cost
Tuition and Fees	\$8,652
Room and Board	\$7,970 (includes a \$200 deposit)
Books, Supplies, Incidentals	\$2,760
Total ¹	\$19,382

¹ NIC reserves the right to change its charges at any time. In the unlikely event that changes become necessary, NIC will endeavor to give advance notice.

Send all materials to:
Admissions Office

North Idaho College
1000 West Garden Avenue
Coeur d'Alene, ID 83814 USA

Programs with Special Admission Requirements

Limited Enrollment Career and Technical Education Programs

Certain career and technical education programs have limited capacity and additional admission requirements. Since these programs often fill quickly, prospective students are encouraged to begin the application process as early as possible.

The following programs have limited space available:

- Aerospace Technology
- Automotive Technology
- Carpentry and Construction Technology
- Collision Repair Technology
- Computer Aided Design Technology
- Construction Management
- Culinary Arts
- Diesel Technology
- Heating, Ventilation, Air Conditioning/Refrigeration
- Industrial Mechanic/Millwright
- Machining and CNC Technology
- Mechatronics
- Outdoor Recreation Leadership
- Welding Technology

Applicants should submit admissions materials three to six months prior to enrollment. Decisions on acceptance are made on an eligibility/space available basis and only after the Admissions Office 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, SAT, ACT test scores, or transcripts of previous college coursework in math and English.
- Students considered for enrollment in the limited enrollment programs, must satisfy NIC satisfactory academic progress requirements or have permission of the division chair to enroll.

For more information, contact the Admissions Office at (208) 769-3311 or the Career and Technical Education Student Support Services Office at (208) 769-3448 or (208) 769-3468.

Selective Enrollment Programs

The following programs have a selective and/or competitive entry and have additional admissions requirements. Application packets for all programs, except Law Enforcement, are available online at www.nic.edu/admissions. Please see the program descriptions in the catalog for the specific admissions requirements for each program.

- Computer Information Technology
- Graphic Design
- Healthcare Computer Technician
- Law Enforcement
- Medical Assistant

- Network Security Administration
- Pharmacy Technology
- Physical Therapist Assistant
- Practical Nursing
- Radiography Technology
- Registered Nursing
- Surgical Technology
- Web Design

Students accepted into selective Health Profession and 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. See the program descriptions in this catalog for specific requirements for each program.

Dual Credit for High School Students

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 for both high school and college is awarded. Students enrolled in NIC courses will receive an NIC transcript. These credits transfer to other colleges and universities across the nation.

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.

To be eligible students must 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.
3. Submit completed Dual Credit Authorization Form, with high school counselor and parent signatures.
4. Take the NIC placement assessment for English and Math, found at www.nic.edu/placement or submit a copy of your ACT/SAT test scores for proper course placement.

Test scores are valid for two years and are used to place students in appropriate coursework, not to determine admission status.

For more information, contact the Office of Advanced Opportunities at (208) 625-2329 or go to www.nic.edu/dualcredit.

Technical Competency Credit (TCC)/ Technical Dual Credit for High School Students (TDC)

TCC and TDC 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, Advanced Technical Certificate, or Technical Certificate while still in high school. TCC and TDC students will not have to

repeat courses in college that were successfully completed in high school. TDC is paid for by Fast Forward funds.

For more information about TCC and TDC opportunities, contact the Regional Transition Coordinator at (208) 769-5964 or go to www.nic.edu/techprep.

Placement Assessment

Placement assessment is an important part of enrollment. Results are used to identify courses needed to promote student success. Students are required to complete the placement assessment if they will be entering their first college English or college math course. Enrollment in other courses with an English or math prerequisite (or equivalent placement scores) may also require completion of the placement assessment.

Math Placement

Math placement¹ will be via ALEKS PPL (Assessment and Learning in Knowledge Spaces, Placement, Preparation, and Learning). ALEKS must be taken at an approved, proctored location such as the NIC Testing Center. ALEKS results will be used to determine appropriate NIC course registration.

English Placement

English placement¹ will be via TWC (The Write Class), which is a no cost, online, unproctored instrument. TWC may be accessed from any Internet browser at www.thewriteclassnic.com (<http://www.thewriteclassnic.com>).

¹ NOTE: North Idaho College accepts ACT and SAT test scores two years old or less that meet placement requirements.

If you have questions about placement assessments, contact the Admissions Office at (208) 769-3311.

Outreach Centers

NIC has outreach centers in Bonners Ferry, Sandpoint, and the Silver Valley. These centers offer 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 outreach center near you, go to www.nic.edu/outreach or call or visit:

NIC Bonners Ferry Center
6791 Main Street, Suite B
Bonners Ferry, ID 83805
(208) 267-3878

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

NIC Silver Valley Center
323 Main Street
Kellogg, ID 83837
(208) 783-1254

For registration information, go to www.nic.edu. To purchase textbooks, go to www.bkstr.com/nicstore/home (<https://www.bkstr.com/nicstore/home>).

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 Change Form along with documentation and submit it to the Admissions Office within 10 days of the beginning of the term. The evidence must prove convincingly that residency was established 12 months before the beginning of the term. Students may appeal the residency redetermination decision by submitting a written appeal to the Admissions Office who will forward it to the Director of Admissions.

Idaho Residents – In-District

Idaho residents who reside in Kootenai, Ada, Bonner, 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, Bonner, 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. Certificate forms are available from the Admissions Office, Student Accounts Office, 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 Ada, Bonner, Bonneville, Canyon, Jerome, Kootenai, 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. However, non-district tuition is significantly lower than out-of-state. 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.

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 for the current tuition and fees schedule).

Western Undergraduate Exchange

The Western Undergraduate Exchange Program (WUE) was established to financially assist 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 reduced tuition rates (see www.nic.edu/tuition for the current tuition and fees schedule).

- Alaska
- Arizona
- California
- Colorado
- Hawaii
- Montana
- Nevada
- Commonwealth of the Northern Marianas Islands
- New Mexico
- North Dakota
- Oregon
- South Dakota
- Utah
- Wyoming

Senior Citizen's Rate

North Idaho College offers a special rate to non-degree seeking individuals who are 60 years or older. 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.

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. The most familiar type of funding is gift aid or grants and scholarships. This type of aid does **not** have to be repaid. Self-help funding is aid that **does** need to be repaid in the form of student loans. Funding may also be earned through the college work-study programs.

Source of Funding	Eligibility Requirements	Available Amounts
Grants		
Federal Pell Grant (PELL)	Complete the FAFSA at www.fafsa.ed.gov . Undergraduate student who has NOT received a bachelor's degree.	Maximum award for the school year is \$6,095 (based on number of credits).
Federal Supplemental Educational Opportunity Grant (SEOG)	Complete the FAFSA at www.fafsa.ed.gov . Undergraduate student that demonstrates exceptional need.	Eligibility determined by Financial Aid Office.
Cardinal Grant (GIA)	Determined by the NIC department that is awarding the grant-in-aid.	Maximum award is tuition and fees. Awarded by various NIC departments.
Scholarships		
	Determined by donor. Awarded by the various NIC Scholarship Committees.	Determined by donor. Scholarship information is available at www.nic.edu/financialaid .
Loans		
Federal Direct Subsidized Stafford Loan	Complete the FAFSA at www.fafsa.ed.gov . At least half-time (6 credits) enrollment.	Maximum award for students completing 0-25 credits is \$3,500. Maximum award after 25 credits is \$4,500.
Federal Direct Unsubsidized Stafford Loan	Complete the FAFSA at www.fafsa.ed.gov . At least half-time (6 credits) enrollment.	Maximum award for dependent students is \$2,000. Maximum award for independent students is \$6,000.

Federal Direct Parent Plus Loan (Parent Loan)	Complete the FAFSA at www.fafsa.ed.gov . Parent applies at www.studentloans.gov . At least half-time (6 credits) enrollment.	Parents may borrow up to the cost of education minus previously awarded financial aid.
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Work Study		
Federal Work-Study	Complete the FAFSA at www.fafsa.ed.gov . At least half-time (6 credits) enrollment.	Maximum is determined by Financial Aid Office. Minimum award is \$1,000.

Idaho Work-Study	Complete the FAFSA at www.fafsa.ed.gov . Must be an Idaho resident. At least half-time (6 credits) enrollment.	Maximum is determined by Financial Aid Office. Minimum award is \$1,000.
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Eligibility for Financial Aid

North Idaho College awards financial aid on the basis of *financial need*.

Eligibility for *need-based* financial aid is determined by the student's computed financial need, as established by the Department of Education. Financial need represents the difference between the total cost of attendance and the amount the student and his/her 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 from home. The EFC is calculated by using information the student and his/her 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 Financial Aid – need-based 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 Stafford Loan, Federal Supplemental Loan for Students, or Federal Parents Loan for Undergraduate Students made for attendance at North Idaho College, or any other educational institution.
4. Not owe a refund on a Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Leveraging Educational Assistance Partnership Program, or Federal Stafford Loan previously used for attendance at North Idaho College or any other educational institution.
5. Be a U.S. citizen, U.S. national, or eligible non-citizen.
6. Certify that, if required, the student has registered with Selective Service.

7. Maintain satisfactory academic progress toward his/her North Idaho College degree or certificate 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 in order to be eligible for financial aid. **This applies to students who are applying for the first time, as well as 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 the section at www.nic.edu/financialaid.

Eligibility For Financial Aid

Students interested in scholarships should complete the Scholarship Application available through their MyNIC account by clicking on "NIC Foundation Scholarship Application" in the bookmarks section. Scholarships offered through the state and outside entities may be accessed by visiting www.nic.edu/financialaid and clicking on "Scholarships."

To apply for all other types of financial aid, the student and his/her parent(s) (if dependent) need to complete the Free Application for Federal Student Aid (FAFSA) available at www.fafsa.ed.gov (<http://www.fafsa.ed.gov>).

To apply for financial aid, follow the steps below:

1. With the Department of Education

- Apply for an FSAID at www.fsaed.ed.gov (<https://fsaid.ed.gov>).
- Fill out the FAFSA at www.fafsa.ed.gov (<http://www.fafsa.ed.gov>) (NIC's school code is 001623).

2. With the NIC Financial Aid Office

(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 if you are selected for verification.
- Once you have been awarded, you will be notified via your Cardinal Mail. You can then view your award by logging in to your MyNIC, Self Service, Financial Aid.

3. For Loans

- Any loans offered must be accepted or rejected electronically by logging on to Financial Aid Self Service, review and accept your financial aid award package.
- The Entrance Counseling and Master Promissory Notes must be completed at www.studentloans.gov (<https://studentloans.gov>).
- Those interested in unsubsidized loans can apply using "request a loan" feature in Self Service.
- Students receiving student loans (subsidized and unsubsidized) as part of their financial aid package will receive their disbursement in two increments per

semester instead of receiving a lump sum at the start of the semester. The first disbursement will take place three weeks into the semester and the second disbursement will occur after midterms each semester. This is to ensure that students receiving student loans are actively attending at least six credit hours of their registered courses. Once attendance has been confirmed, the remaining loans will be distributed.

For more information, visit www.nic.edu/financialaid.

Bookstore Charges and Financial Aid

Students who have accepted their financial aid will be allowed to charge books and supplies at the NIC Cardinal Bookstore beginning the week prior to the start of classes through the second week of classes, provided that he/she has met all eligibility requirements as previously outlined.

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 the Financial Aid Office located in Lee-Kildow Hall or access the information from the college's website at www.nic.edu/financialaid.

TUITIONS AND FEES

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 this financial obligation by the payment due date established by the College. Students will be responsible for collection costs and legal fees added if the services of a collection agency are utilized for unpaid balances. Fees listed below are for the 2018-2019 academic year only and are subject to change thereafter. For fee paying purposes, full-time status is defined as 12 or more credit hours per semester.

Tuition and fees at North Idaho College are among the lowest in Idaho and the Inland Northwest. All rates quoted below are subject to change without notice. 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.

The figures below do not include personal expenses or transportation. Books and supplies for academic transfer programs are estimated at \$500 per semester. Career and technical education programs may have additional costs for books, supplies and tools, which may vary from \$500 to \$3,000 per year.

Tuition

Fees	Cost
Kootenai County Resident	\$141.50 per credit
Idaho Resident (10 credits or less)	\$211.50 per credit
Idaho Resident (11 credits or more)	\$161.50 per credit
Washington Resident	\$242.50 per credit
Washington Undergraduate Exchange (WUE)	\$283.50 per credit
Out-of-State/International	\$360.50 per credit

***Amounts are subject to change at any time.**

General Fees 2018-2019

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 \$40.00 per credit, up to a maximum of 12 credits (\$480).

Fees	Cost
Associate Student Body (ASNIC)	\$28.00
Athletics	\$36.00
Commencement	\$4.00
Health Services	\$31.00
Instructional Technology	\$123.00
Learning Assistance	\$40.00
Student Activities and Recreation	\$38.00
Student Service Fee (Debt)	\$180.00

***Amounts are subject to change at any time.**

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 \$50.00 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. A Senior Citizen's Gold Card allows individuals 60 years of age and older to attend NIC-sponsored athletics and arts events free of charge. Gold Cards are available through the Communications and Marketing Office. For more information, call (208) 769-7764.

Special and Incidental Fees

Fees	Cost
GED Testing Fee	\$30.00 per test
On-Campus Parking Fee (Student)	\$35.00 per year
Payment Plan Enrollment Fee	\$25.00
Returned Check Fee	\$25.00
Transcript Fee (3-5 day processing)	\$7.00
Rush Transcript Fee (24 hour processing)	\$20.00
Same Day Transcript Fee (if ordered by 12 pm)	\$25.00
Express Transcript Fee (UPS Next Day Air)	\$35.00 (United States)
Express Transcript Fee (UPS Worldwide Express)	\$55.00 (International)
Residence Hall Room & Board	\$6,700 - \$9,800 per year

***Amounts are subject to change at any time.**

Deposits

Program Deposits

The program deposits listed below 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.

Fees	Cost
RN Program	\$100.00
LPN Program	\$100.00
Advanced RN Program	\$100.00
Medical Assistant Program	\$100.00
Physical Therapist Assistant Program	\$100.00
Pharmacy Technology Program	\$100.00
Radiography Technology Program	\$100.00
Medical Lab Technology Program	\$100.00
Surgical Technology Program	\$100.00

Residence Hall Deposits

A \$200 deposit must be paid online. This deposit will be due one week after the application has been received 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 through 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, or fines).

British Murder Mysteries Trip Deposits

The British 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 AND FEES PAYMENT PROCEDURES

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. Students failing to pay amounts due to NIC could be **canceled** from classes and have their credits withheld. No student will be given a transcript of his/her record or allowed to register for classes until all accounts are settled in full. This includes any funds received through the Financial Aid Office involving over-payments, refunds, or delinquent loans.

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 any part of these services. Extra charges are made for special services and specific courses.

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

Veterans and eligible persons receiving Veterans Administration educational benefits must pay all required charges at the time of registration. Those who are depending on veterans educational benefit checks to pay fees must apply for advance pay at least one month prior to registration.

Tuition and fees are established annually by the NIC Board of Trustees. Interested persons may inquire at the Admissions Office 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.

North Idaho College Refund Policy

Refund

Students who officially drop from all classes at North Idaho College may be entitled to a refund of a portion 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.

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 cancelled, students will receive a full refund for the class.

Refunds for Drops from Short-Term Courses

Students who withdraw from short-term courses (less than 15 weeks in length) will, **on dropping the course(s) in MyNIC**, receive refunds as follows:

1. If withdrawal is made within five days of the class starting, 100 percent will be refunded.
2. No refund will be allowed after the fifth day.

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 Coordinator who will initiate the administrative withdrawal from classes and the refund process.

Tuition Payment Plan

Students may setup a payment plan for their current semester balance via MyNIC --> Self Service --> Student Finance. Each payment plan option allows students to select a payment due date that fits into their monthly budget. 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.

ACADEMIC AND REGISTRATION INFORMATION

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 of this catalog has information regarding application and registration dates. Registration information is available at www.nic.edu.

After applying for admission, and submitting required documentation, students will receive an acceptance letter from the Admissions Office which will include information about 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 a financial hold such as parking fines, library fines, or delinquent loan payments may not register until the hold has been cleared.

MyNIC: Student Information on the Web

MyNIC is the college's online student information portal where students will receive the majority of their official college communications, as well as accessing Self Service students can access their 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, students will receive MyNIC access information.

To log in to MyNIC:

1. Go to www.nic.edu and click "MyNIC."
2. Click on the orange "New Students and Employees Start Here" button.
3. Follow the instructions to log in.
4. Access Self Service by clicking on the button.

Questions about MyNIC should be directed to the NIC HelpDesk at (208) 769-3280.

Payment of Tuition and Fees

Tuition and fees are set annually by the Board of Trustees.

Students from Idaho who reside outside of Kootenai, Ada, Bonner, Bonneville, Canyon, Jerome, and Twin Falls counties are required to file a Certificate of Residency with their home county auditor's office to avoid being charged out-of-district rates.

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 the Registrar's Office in Lee-Kildow Hall. If the class is a late-start class, 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 with the Office of Instruction 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 anytime 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. In such circumstances, a student must petition the Admissions and Academic Standards Committee for a late drop with a grade of W using the form available in the Registrar's Office.

Independent Studies

Independent study courses are available in most academic disciplines and are designated by the course number 299. Course content, learning, and evaluative criteria are developed primarily by the student with the guidance from an instructor. Independent studies may include a reading or a project and must be approved by the instructor, appropriate division chair, 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 take no more than three credits per semester of independent study 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. Additional information is available in the Registrar's Office.

Directed Studies

Directed study courses are identical to courses outlined in the catalog. A student must demonstrate 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, and 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. No additional information is available in the Registrar's Office.

Address Changes

Students having correct addresses on file is vital for college records. Students who change their address should update their information through their MyNIC account or notify the Registrar's Office.

Grading Policies

Grading Procedures

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:

Letter	GPA	Status
A	4.0	Excellent
A-	3.7	Excellent
B+	3.3	Good
B	3.0	Good
B-	2.7	Good
C+	2.3	Average
C	2.0	Average
C-	1.7	Average
D+	1.3	Poor
D	1.0	Poor
D-	0.7	Poor
F	0.0	Failing
NG		No Grade

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 the grade point calculation.

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

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. Please check with an advisor about any such standards and their relationship with the college procedures.*

Step 1:

Discuss the issue in question with the instructor to seek resolution or to learn 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 dropdown list at 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 resolution, the student should pursue further review that may include getting the advice of the division chair or program staff for the next level of consideration or petition 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 withdrawals is being requested. Late withdrawals for individual classes are reviewed by the appropriate dean. Appeal forms are available on the Registrar's Office website at www.nic.edu/registrar.

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 secure an Instructional Petition Form from the Office of the Vice President for Instruction, prepare a written Statement of Appeal, and submit it 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.

After all the steps to voice a complaint with North Idaho College are exhausted, students have the right to forward their complaint to the State Board of Education. The Idaho State Board of Education Policy Section III P, starting on page 8, subsection 18, addresses this process. This policy can be viewed at http://www.boardofed.idaho.gov/policies/iii_policy.asp

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 will not fulfill graduation requirements and 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 during the drop/add period. With the instructor's permission, course enrollment may be changed from audit to credit during the first four weeks of Fall or Spring Semester or the first two weeks of a Summer Session. Contact the Registrar's Office if you would like to audit a course.

Incompletes

An incomplete is assigned only if the student has been in attendance and has done satisfactory work to within three weeks of the end of the semester (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 in cases in which 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 indicate in the written statement what permanent grade should be entered if the incomplete is not removed by the deadline.

All incomplete grades must be removed within six weeks after the first class 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 by 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 to raise a grade, provided they have not completed a more advanced course for which the first is a prerequisite. While all grades received remain on the record, only the grade received for the most recent enrollment in the course is counted in computing 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.

Dean's List (Honor Roll)

To qualify for the Dean's List, students must complete at least 12 credits in a semester, 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.

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 the Registrar's Office, under certain circumstances, for academic renewal. This means previous poor 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 cumulative grade point average of 2.50. 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.

The student 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 aforesaid conditions. Students should be aware that this policy **might not be accepted** at transfer institutions.

Academic Probation, Suspension, and Disqualification

This policy applies to any student carrying credit hours at the end of the drop/add 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 NIC Registrar's Office after final grades are posted for each semester.

Students must maintain a minimum cumulative grade point average (GPA) of 2.00 to be considered 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 2.00 will be placed on academic probation. Students on probation who earn a semester GPA of at least a 2.00 will be placed on continued probation until their cumulative GPA is at least a 2.00. Students on probation who do not earn a semester GPA of at least a 2.00 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 to 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 to 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 2.00, 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.

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 are required to get authorization from Advising Services. Students taking more than seven credits during the summer are required to get authorization from Advising Services.

Student Classification

Full-Time Classification

A student must register for a minimum of 12 credits each semester to be classified as a full-time student; however, in most programs a student must earn at least 15 credits per semester to graduate in four semesters.

Freshman and Sophomore Classification

Students with 0-25 semester credits are classified as freshmen, those with 26 or more semester credits are classified as sophomores.

Course Numbering System

Course Numbers	Meaning
001 - 099	Courses are nontransferable and do not apply toward academic degrees. They may be required for some A.A.S. degrees.
100 - 199	Primarily for freshmen.
200 - 299	Primarily for sophomores.

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 the Registrar's Office 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 an advanced 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 get credit for the first three semesters of the target language once appropriate paperwork has been completed and fees have been paid. Contact the Registrar's Office 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 the Admissions Office.

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 the Admissions Office.

Graduation

Students may graduate at the end of any term. The 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 an Application for Graduation with the Registrar's Office whether or not they plan to participate in commencement. Suggested application dates for graduation are **Nov. 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 semester 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 semester and Summer Session. It includes credit hours for which the student is enrolled, final grades in each subject, record of withdrawal, courses repeated, grade point average for each semester, 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 or by using the NIC transcript request form. Additional information is available through the Registrar's Office website at www.nic.edu/registrar. Federal regulations require that the request be signed by the student to authorize 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 each request. Official copies start at \$7 each for standard processing. Various rush options are available for an additional fee. 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 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 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 taken.

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, student's 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 in the Student Handbook. Student handbooks are available under Current Students at www.nic.edu and are distributed at student orientations and are also available at Student Services or the Associated Students of North Idaho College offices on the second floor of the Edminster Student Union Building.

WORKFORCE TRAINING AND COMMUNITY EDUCATION

Workforce Training and Community Education

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.workforcetraining.nic.edu. 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) 769-3333

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, all year. 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 Academy, and Welding Certification. Many courses have been approved for veteran's 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 Professions (208) 665-5448

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, visit: www.workforcetraining.nic.edu.

Community Education (208) 769-3224

Community Education offers personal interest courses in response to community interests and needs. Students may cultivate a hobby, develop a skill, and enjoy group activities in the pursuit of lifelong learning. Courses are designed to be practical, affordable, enjoyable, and sensitive to the time constraints of today's busy world.

Community Education classes are offered in such categories as arts, crafts, healthy living, home and garden, language, money management, music, recreation, and test preparation. A growing number of classes are available online to accommodate students who wish to enjoy the convenience of learning at home.

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 responding to the training needs of business and industry for the incumbent worker. For more information, contact the Workforce Training Center.

Idaho Small Business Development Center (208) 665-5085

The Idaho Small Business Development Center (SBDC) 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 and sales, financial management, operations, 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.

Qualified Worker Retraining Program (208) 666-8012

The Qualified Worker Retraining Program provides financial assistance to eligible low-income individuals and is designed to help unemployed or underemployed adults obtain training and employment to increase their lifelong earnings potential. This program, funded by a federal grant from the U.S. Department of Labor, seeks to help people living in Idaho travel the road to self-sufficiency along their chosen career pathway.

The staff works with each person to develop individual employment and training plans aligned with occupations that support key sectors of the economy. Low-income adults looking to begin a career or retrain for a new career, including those already enrolled in school, may qualify for services.

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 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 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 these member 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. 69)
- American Indian Studies (AC) (p. 70)
- American Sign Language Studies (AA) (p. 71)
- Anthropology (AA) (p. 72)
- Art (AA) (p. 73)
- Biology, Botany, and Zoology (AS) (p. 81)
- Business (AS) (p. 82)
- Chemistry (AS) (p. 90)
- Child Development (AC) (p. 91)
- Child Development (AS) (p. 92)
- Child Development Associate Credential Program (AC) (p. 93)
- Communication (AA) (p. 96)
- Communication (AC) (p. 95)
- Computer Science (AS) (p. 109)
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- Education – Elementary or Middle School Teacher Education (AA) (p. 120)
- Education – Secondary Education (AA) (p. 121)
- Engineering (AS) (p. 122)
- English (AA) (p. 124)
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- Nursing: Registered Nursing (R.N.) (AS) (p. 177)
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- Photography (AA) (p. 189)
- Physical Education (AS) (p. 190)
- Physics/Astronomy (AS) (p. 194)
- Political Science and Pre-Law (AS) (p. 195)
- Pre-Medical Related Fields (AS) (p. 196)
- Pre-Microbiology/Medical Technology (AS) (p. 197)
- Pre-Nutrition (AS) (p. 198)
- Pre-Physical Therapy (AS) (p. 199)
- Pre-Veterinary Medicine (AS) (p. 200)
- Psychology (AS) (p. 201)
- Public Relations (AA) (p. 202)
- Social Work (AA) (p. 203)
- Sociology (AA) (p. 204)
- Theatre (AA) (p. 206)

Career and Technical Education and Occupational Program Options

Students enrolled in a career and technical education program receive comprehensive training and may also receive on-the-job experiences through a practicum or co-op opportunity. These programs provide educational training for entry-level job skills. Reinforcing basic skills and developing job-related skills are integral components of all programs. Programs vary in length depending on whether students choose a certificate or Associate of Applied Science Degree option.

Technical Certificate of Completion (CC)

Students may qualify for a Technical Certificate of Completion 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 awarded for career and technical education programs that do not meet the criteria for other career and technical education certificates and consist of seven semester credits or less.

Basic Technical Certificate (BTC)

Students may qualify for a Basic 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 awarded for completion of requirements in an approved career and technical education program of instruction of at least eight semester credit hours and mastery of specific competencies drawn from requirements of business/industry.

Intermediate Technical Certificate (ITC)

Students may qualify for an Intermediate 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 for the completion of requirements entailing at least 30 semester credit hours and less than one year of full-time work and includes mastery of specific competencies drawn from requirements of business/industry.

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, call the NIC Admissions Office 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. 54)
- Accounting Assistant-Bookkeeping Emphasis (ATC) (p. 56)
- Accounting Assistant-Bookkeeping Emphasis (ITC) (p. 55)
- Administrative Office Management Technology (AAS) (p. 57)
- Administrative Office Technology (BTC) (<https://catalog.nic.edu/program-guidelines/aot-btc>)
- Aerospace Composite Fabrication (BTC) (p. 59)
- Aerospace Composite Technician (ITC) (p. 60)
- Aerospace Repair and Quality Assurance (BTC) (p. 61)
- Aerospace Technology Advanced Manufacturing (AAS) (p. 64)
- Aerospace Technology Advanced Manufacturing (ATC) (p. 62)
- Aerospace Technology Computer Numerical Control (CNC) Mill Operation (BTC) (p. 66)
- Aerospace Technology Core (BTC) (p. 67)
- Aerospace Technology Nondestructive Testing and Inspection (BTC) (p. 68)
- Automotive Technology (AAS) (p. 76)
- Automotive Technology (ATC) (p. 75)
- Automotive Technology (ITC) (p. 74)
- Aviation Maintenance Technology (AAS) (p. 79)
- Aviation Maintenance Technology (ATC) (p. 77)
- Business Management (AAS) (p. 84)
- Business Management – Entrepreneurship (BTC) (p. 85)
- Business Management – General Business Core (BTC) (p. 86)
- Business Management – Human Resource Management (BTC) (p. 87)
- Business Management – Supervision (BTC) (p. 88)
- Carpentry and Construction Technology (ITC) (p. 89)
- Collision Repair Technology (ITC) (p. 94)
- Computer Aided Design Technology–Architectural Design Option (AAS) (p. 99)
- Computer Aided Design Technology–Architectural Design Option (ATC) (p. 98)
- Computer Aided Design Technology–Architectural Design Option (ITC) (p. 97)
- Computer Aided Design Technology–Mechanical Design Option (AAS) (p. 103)
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- Computer Aided Design Technology–Mechanical Design Option (ITC) (p. 101)
- Computer Applications (BTC) (p. 105)
- Computer Information Technology (AAS) (p. 108)
- Computer Information Technology (ATC) (p. 107)
- Computer Information Technology (ITC) (p. 106)
- Construction Management (AAS) (p. 110)
- Culinary Arts (AAS) (p. 115)
- Culinary Arts (ATC) (p. 114)
- Culinary Arts (ITC) (p. 113)
- Cybersecurity and Networking (BTC) (p. 116)
- Diesel Technology (AAS) (p. 119)
- Diesel Technology (ATC) (p. 118)
- Diesel Technology (ITC) (p. 117)
- Fire Service Technology (AAS) (p. 128)
- Graphic Design (AAS) (p. 134)
- Graphic Design (ATC) (p. 133)
- Graphic Design (ITC) (p. 132)
- Health Information Fundamentals (ITC) (p. 135)
- Healthcare Computer Technician (AAS) (p. 137)
- Healthcare Computer Technician (ATC) (p. 136)
- Heating, Ventilation, Air Conditioning, and Refrigeration (ITC) (p. 138)
- Hospitality Management (AAS) (p. 142)
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- Hospitality Management (ITC) (p. 140)
- Industrial Mechanic/Millwright (ITC) (p. 144)
- Law Enforcement (AAS) (p. 149)
- Law Enforcement (BTC) (p. 147)
- Law Enforcement (ITC) (p. 148)
- Machining and CNC Technology (AAS) (p. 154)
- Machining and CNC Technology (ATC) (p. 152)
- Machining and CNC Technology (ITC) (p. 151)
- Mechatronics (AAS) (p. 158)
- Mechatronics (ATC) (p. 157)
- Medical Administrative Assistant (AAS) (p. 160)
- Medical Assistant (AAS) (p. 162)
- Medical Assistant (ITC) (p. 161)
- Medical Billing Specialist (AAS) (p. 164)
- Medical Laboratory Technology (AAS) (p. 165)
- Medical Receptionist (ITC) (p. 167)
- Network Security Administration (AAS) (p. 174)
- Network Security Administration (ATC) (p. 172)
- Network Security Administration (ITC) (p. 171)
- Nursing: Practical Nursing (P.N.) (ITC) (p. 176)
- Office Specialist/Receptionist (ITC) (p. 180)
- Office Technology (ITC) (p. 181)
- Outdoor Recreation Leadership (AAS) (p. 184)
- Outdoor Recreation Leadership (ATC) (p. 183)
- Outdoor Recreation Leadership (ITC) (p. 182)
- Paralegal (AAS) (p. 185)
- Pharmacy Technology (ITC) (p. 187)
- Physical Therapist Assistant (AAS) (p. 192)
- Radiography Technology (AAS) (<https://catalog.nic.edu/program-guidelines/radt-aas>)
- Surgical Technology (AAS) (p. 205)
- Virtual Administrative Assistant (ITC) (p. 207)
- Web Design (AAS) (p. 209)
- Web Design (ATC) (p. 208)
- Welding Technology (AAS) (p. 212)

- Welding Technology (ATC) (p. 211)
- Welding Technology (ITC) (p. 210)

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 attitudes 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 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 communicate effectively, in both written and oral forms, to varied audiences to serve diverse purposes as part of their studies at NIC and beyond.
- **Mathematical Ways of Knowing:** Students will think quantitatively, evaluate data, and draw conclusions using sound mathematical principles and practices.
- **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 insightfully read, appreciate, and express how a variety of art forms, including language, has shaped and influenced the human condition.
- **Social and Behavioral Ways of Knowing:** Students will use social science reasoning to inquire, critically consume relevant information, and develop insights on individual, social, community and world problems and questions.

In addition, NIC has established requirements for competencies in:

- **Integrative Inquiry and Wellness:** Students will think critically, develop self-awareness, practice integrative learning, and develop purposefulness about educational and life goals.

These competencies and 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

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 focus fields listed below:

- Arts, Communications, and Humanities (p. 40)
- Business Administration and Management (p. 40)
- Healthcare (p. 40)
- Manufacturing and Trades (p. 41)
- Science, Technology, Engineering & Mathematics (p. 41)
- Social Sciences and Human Services (p. 41)

Arts, Communications, and Humanities

- American Sign Language Studies (AA) (p. 71)
- Art (AA) (p. 73)
- Communication (AA) (p. 96)
- Computer Aided Design Technology–Architectural Design Option (AAS) (p. 99)
- Computer Aided Design Technology–Architectural Design Option (ATC) (p. 98)
- Computer Aided Design Technology–Architectural Design Option (ITC) (p. 97)
- English (AA) (p. 124)
- General Studies (AA) (p. 130)
- Graphic Design (AAS) (p. 134)
- Graphic Design (ATC) (p. 133)
- Graphic Design (ITC) (p. 132)
- Humanities (AA) (p. 143)
- Interdisciplinary Studies (AA) (p. 145)
- Journalism (AA) (p. 146)
- Modern Languages (AA) (p. 168)
- Music (AA) (p. 169)
- Philosophy (AA) (p. 188)
- Photography (AA) (p. 189)
- Public Relations (AA) (p. 202)
- Theatre (AA) (p. 206)
- Web Design (AAS) (p. 209)
- Web Design (ATC) (p. 208)

Business Administration and Management

- Accounting Assistant (AAS) (p. 54)
- Accounting Assistant–Bookkeeping Emphasis (ATC) (p. 56)
- Accounting Assistant–Bookkeeping Emphasis (ITC) (p. 55)

- Administrative Office Management Technology (AAS) (p. 57)
- Administrative Office Technology (BTC) (<https://catalog.nic.edu/program-guidelines/aot-btc>)
- Business (AS) (p. 82)
- Business Management (AAS) (p. 84)
- Computer Applications (BTC) (p. 105)
- Computer Information Technology (AAS) (p. 108)
- Computer Information Technology (ATC) (p. 107)
- Computer Information Technology (ITC) (p. 106)
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- Law Enforcement (BTC) (p. 147)
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- Outdoor Recreation Leadership (ATC) (p. 183)
- Outdoor Recreation Leadership (ITC) (p. 182)
- Paralegal (AAS) (p. 185)
- Virtual Administrative Assistant (ITC) (p. 207)

Healthcare

- Fire Service Technology (AAS) (p. 128)
- Medical Assistant (AAS) (p. 162)
- Medical Assistant (ITC) (p. 161)
- Medical Laboratory Technology (AAS) (p. 165)
- Nursing: Practical Nursing (P.N.) (ITC) (p. 176)
- Nursing: Registered Nursing (R.N.) (AS) (p. 177)
- Pharmaceutical Manufacturing (AS) (p. 186)
- Pharmacy Technology (ITC) (p. 187)
- Physical Education (AS) (p. 190)
- Physical Therapist Assistant (AAS) (p. 192)
- Pre-Medical Related Fields (AS) (p. 196)
- Pre-Physical Therapy (AS) (p. 199)
- Pre-Veterinary Medicine (AS) (p. 200)

- Radiography Technology (AAS) (<https://catalog.nic.edu/program-guidelines/radt-aas>)
- Surgical Technology (AAS) (p. 205)

Manufacturing and Trades

- Aerospace Composite Fabrication (BTC) (p. 59)
- Aerospace Composite Technician (ITC) (p. 60)
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- Welding Technology (AAS) (p. 212)
- Welding Technology (ATC) (p. 211)
- Welding Technology (ITC) (p. 210)

Science, Technology, Engineering & Mathematics

- Biology, Botany, and Zoology (AS) (p. 81)
- Chemistry (AS) (p. 90)
- Computer Science (AS) (p. 109)
- Engineering (AS) (p. 122)
- Environmental Science (AS) (p. 127)
- Forestry/Wildlife/Range Management (AS) (p. 129)
- Geology (AS) (p. 131)
- Mathematics (AS) (p. 156)

- Physics/Astronomy (AS) (p. 194)
- Pre-Microbiology/Medical Technology (AS) (p. 197)
- Pre-Nutrition (AS) (p. 198)

Social Sciences and Human Services





- American Indian Studies (AA) (p. 69)
- American Indian Studies (AC) (p. 70)
- Anthropology (AA) (p. 72)
- Child Development (AS) (p. 92)
- Child Development Associate Credential Program (AC) (p. 93)
- Criminal Justice (AA) (p. 112)
- Education – Elementary or Middle School Teacher Education (AA) (p. 120)
- Education – Secondary Education (AA) (p. 121)
- History (AA) (p. 139)
- Political Science and Pre-Law (AS) (p. 195)
- Psychology (AS) (p. 201)
- Social Work (AA) (p. 203)
- Sociology (AA) (p. 204)

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 2.00 (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

Code	Title	Credits
Complete the following: 3		
ENGL-101	English Composition  	
ENGL-102	English Composition  	






















GEM 2 - Oral Communication





















Code	Title	Credits
COMM-101	Introduction to Speech Communication  	3

GEM 3 - Mathematical Ways of Knowing

Code	Title	Credits
Select one of the following: 3-5		
MATH-123	Contemporary Mathematics  	
MATH-130	Finite Mathematics  	
MATH-143	College Algebra  	
MATH-147	Pre-Calculus  	
MATH-160	Survey of Calculus  	
MATH-170	Analytic Geometry and Calculus I  	
MATH-253	Principles of Applied Statistics  	





















































GEM 4 - Scientific Ways of Knowing

Code	Title	Credits
Select at least 8 credits, including courses from two different disciplines: 8		
BACT-250	General Microbiology  	
BIOL-100	Fundamentals of Biology  	
BIOL-115	Introduction to Life Sciences  	
BIOL-175	Human Biology  	
BIOL-227	Human Anatomy Physiology I With Cadaver  	
BTNY-203	General Botany  	
BTNY-241	Systematic Botany  	
CHEM-100	Concepts of Chemistry I   	
CHEM-101	Introduction to Essentials of General Chemistry I  	
CHEM-105	General, Organic, and Biochemistry  	

CHEM-111	Principles of General College Chemistry I  	
CHEM-112	Principles of General College Chemistry II  	
ENSI-119	Introduction to Environmental Science  	
GEOG-100	Physical Geography 	
GEOL-101	Physical Geology 	
GEOL-102	Historical Geology 	
GEOL-123	Geology of Idaho and the Pacific Northwest 	
PHYS-101	Fundamentals of Physical Science  	
PHYS-103	Elementary Astronomy  	
PHYS-111	General Physics I  	
PHYS-211	Engineering Physics I  	
ZOOL-202	General Zoology  	

GEM 5 - Humanistic and Artistic Ways of Knowing

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

Code	Title	Credits
AIST-285	American Indian Literature  	
ART-100	Survey of Art  	
ART-101	Art History From Caves to Cathedrals  	
ART-102	Art History From Da Vinci to Digital  	
CINA-126	Film and Culture  	
COMM-220	Intro to Intercultural Communication  	
ENGL-175	Introduction to Literature  	
ENGL-257	Literature of Western Civilization  	
ENGL-258	Literature of Western Civilization  	
ENGL-267	Survey of English Literature  	
ENGL-268	Survey of English Literature  	
ENGL-271	Introduction to Shakespeare  	
ENGL-277	Survey of American Literature  	
ENGL-278	Survey of American Literature  	
ENGL-285	American Indian Literature  	
FLAN-207	Contemporary World Cultures  	
HUMS-101	Montage: Introduction to the Humanities  	
HUMS-126	Film and Culture  	
HUMS-200	Interdisciplinary Seminar  	
INTR-200	Interdisciplinary Seminar  	
MUSH-101	Survey of Music  	
MUSH-127	Survey of American Popular Music Since 1900  	
MUSH-163	Survey of World Music  	
PHIL-101	Introduction to Philosophy  	
PHIL-103	Ethics  	
PHIL-111	World Religions  	

PHIL-201	Logic and Critical Thinking	◆ AAS	②
PHIL-205	Political and Social Philosophy	◆ AAS	②
PHIL-220	Asian Philosophy	◆ AAS	②
POLS-208	Political and Social Philosophy	◆	②
THEA-101	Introduction to the Theatre	◆ AAS	②
ASL-101	Elementary American Sign Language I	◆ AAS	②
ASL-102	Elementary American Sign Language II	◆ AAS	② ¹
FREN-101	Elementary French I	◆ AAS	② ¹
FREN-102	Elementary French II	◆ AAS	② ¹
GERM-101	Elementary German I	◆ AAS	② ¹
GERM-102	Elementary German II	◆ AAS	② ¹
ITAL-101	Elementary Italian I	◆ AAS	② ¹
ITAL-102	Elementary Italian II	◆ AAS	② ¹
SPAN-101	Elementary Spanish I	◆ AAS	② ¹
SPAN-102	Elementary Spanish II	◆ AAS	② ¹

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

GEM 6 - Social and Behavioral Ways of Knowing

Code **Title** **Credits**
Select at least 6 credits, including courses from two different disciplines: 6

AIST-101	American Indian Studies	◆ AAS	②
ANTH-100	Introduction to Anthropology	◆ AAS	②
ANTH-220	Peoples of the World	◆	②
CHD-134	Infancy Through Middle Childhood	◆ AAS	②
COMJ-140	Mass Media in a Free Society	◆ AAS	②
COMM-233	Interpersonal Communication	◆ AAS	②
ECON-201	Principles of Economics (Macro)	◆ AAS	②
ECON-202	Principles of Economics (Micro)	◆ AAS	②
HIST-101	History of Civilization to 1500	◆ AAS	②
HIST-102	History of Civilization Since 1500	◆ AAS	②
HIST-103	History of Civilization 20th Century	◆ AAS	②
HIST-111	U.S. History to 1876	◆ AAS	②
HIST-112	U.S. History After 1876	◆ AAS	②
HIST-211	History of the Americas I: First Peoples And Colonial Period	◆ AAS	②
HIST-212	History of the Americas II: Since Independence	◆ AAS	②
POLS-101	American National Government	◆ AAS	②
POLS-237	International Politics and Problems	◆ AAS	②
PSYC-101	Introduction to Psychology	◆ AAS	②
SOC-101	Introduction to Sociology	◆ AAS	②
SOC-102	Social Problems	◆ AAS	②

GEM 7I - Institutionally Designated

Code	Title	Credits
Select one of the following:		3
INTR-250A	Death and Dying: A Sociocultural, Historical, and Biological Perspective	◆ AAS
INTR-250B	Physical and Virtual Environments	◆ AAS
INTR-250C	Integrative Business and Value Creation	◆ AAS
INTR-250D	Juvenile Justice	◆ AAS
INTR-250E	Writing in the Wild: Literature and Language of Natural Spaces	◆ AAS
INTR-250F	Integrative Inquiry: The Art of Presence	◆ AAS
INTR-250G	Teaching and Learning in the Outdoors	◆ AAS
INTR-250H	Manufacturing Desire: Persuasive Marketing and Message Creation	◆ AAS
INTR-250I	Page to Stage: Making Theatre From Scratch	◆ AAS
INTR-250J	Psychology of Marketing	◆ AAS
INTR-250K	Art and Social Justice	◆ AAS
INTR-250L	Artistic Expression in the 20th Century	◆ AAS
INTR-250M	Eastern Europe: Society Through Film	◆ AAS
INTR-250N	Mathematics and Aesthetics of Musical Tuning	◆ AAS
INTR-250O	Leadership in Interprofessional Healthcare	◆ AAS
INTR-250P	Common Read	◆ AAS

GEM 7W - Wellness

Code	Title	Credits
Select one of the following:		1-3
CHD-110	Child Health, Safety and Nutrition	◆
CLC-101	Designing Your NIC Experience	◆
CLC-102	Designing Your Life and Career	◆
DANC-112	Social/Swing Dance	◆
DANC-120	Latin Social Dance	◆
MUSA-114A	Individual Instruction: Voice	◆
MUSA-114B	Individual Instruction: Piano	◆
MUSA-114C	Individual Instruction: Jazz Piano	◆
MUSA-114D	Individual Instruction: General Guitar	◆
MUSA-114E	Individual Instruction: Classical Guitar	◆
MUSA-114F	Individual Instruction: Flute	◆
MUSA-114G	Individual Instruction: Oboe	◆
MUSA-114H	Individual Instruction: Clarinet	◆
MUSA-114I	Individual Instruction: Saxophone	◆
MUSA-114J	Individual Instruction: Bassoon	◆
MUSA-114K	Individual Instruction: Trumpet	◆
MUSA-114L	Individual Instruction: Horn	◆

MUSA-114M	Individual Instruction: Trombone	◆	PE-103WG	Varsity Sports Strength Training Women's Golf	◆	①
MUSA-114N	Individual Instruction: Euphonium	◆	PE-103WS	Varsity Sports Strength Training Women's Softball	◆	①
MUSA-114O	Individual Instruction: Tuba	◆	PE-103WV	Varsity Sport Strength Training Women's Volleyball	◆	①
MUSA-114P	Individual Instruction: Violin	◆	PE-110B	Begin Whitewater Kayaking	◆	②
MUSA-114Q	Individual Instruction: Viola	◆	PE-110C	Beginning Rock Climbing	◆	②
MUSA-114R	Cello	◆	PE-110D	Beginning Sailing	◆	②
MUSA-114S	Individual Instruction: String Bass	◆	PE-110E	Beginning Yoga	◆	②
MUSA-114T	Individual Instruction: Electric Bass	◆	PE-110F	Cardiovascular Training	◆	②
MUSA-114U	Individual Instruction: Percussion	◆	PE-110J	Jogging/Powerwalking	◆	②
MUSA-114V	Individual Instruction: Harp	◆	PE-110L	Lake Kayak/Canoe	◆	②
MUSA-130	Introduction to Piano	◆	PE-110M	Pilates	◆	②
MUSA-145	Piano Class I	◆	PE-110PP	Cross Country Skiing	◆	②
MUSP-103	North Idaho College Cardinal Chorale	◆	PE-110QQ	Zumba	◆	②
MUSP-104	Vocal Jazz Ensemble	◆	PE-110R	Strength Training	◆	②
MUSP-106	North Idaho College Wind Symphony	◆	PE-110T	Tone and Trim	◆	②
MUSP-107	Cardinal Pep Band	◆	PE-110TT	Spinning	◆	②
MUSP-110M	Chamber Singers	◆	PE-110V	Cardio Cross Training	◆	②
MUSP-111C	Chamber Ensemble	◆	PE-110VV	Introduction to CrossFit	◆	②
MUSP-111O	Cardinal Chamber Orchestra	◆	PE-110W	Mountain Biking	◆	②
MUSP-113	North Idaho College Jazz Ensemble	◆	PE-110Y	Bowling	◆	②
NURS-115	Wellness for Care Providers	◆	PE-110Z	Beginning Fly Fishing	◆	②
PE-101MB	Varsity Sports Strength Training Men's Basketball	◆	PE-111B	Beginning Golf	◆	②
PE-101MF	Varsity Sports Strength Training Men's Soccer	◆	PE-111D	Racquetball	◆	②
PE-101MG	Varsity Sports Strength Training Men's Golf	◆	PE-111F	Beginning Tennis	◆	②
PE-101MW	Varsity Sports Strength Training Men's Wrestling	◆	PE-111H	Whitewater Rafting	◆	②
PE-101WB	Varsity Sports Strength Training Women's Basketball	◆	PE-111O	Outdoor Adventures	◆	②
PE-101WF	Varsity Sports Strength Training Women's Soccer	◆	PE-111P	Stand Up Paddle Boarding	◆	②
PE-101WG	Varsity Sports Strength Training Women's Golf	◆	PE-201MB	Varsity Sports Strength Training Men's Basketball	◆	①
PE-101WS	Varsity Sports Strength Training Women's Softball	◆	PE-201MF	Varsity Sports Strength Training Men's Soccer	◆	①
PE-101WV	Varsity Sport Strength Training Women's Volleyball	◆	PE-201MG	Varsity Sports Strength Training Men's Golf	◆	①
PE-103MB	Varsity Sports Strength Training Men's Basketball	◆	PE-201MW	Varsity Sports Strength Training Men's Wrestling	◆	①
PE-103MF	Varsity Sports Strength Training Men's Soccer	◆	PE-201WB	Varsity Sports Strength Training Women's Basketball	◆	①
PE-103MG	Varsity Sports Strength Training Men's Golf	◆	PE-201WF	Varsity Sports Strength Training Women's Soccer	◆	①
PE-103MW	Varsity Sports Strength Training Men's Wrestling	◆	PE-201WG	Varsity Sports Strength Training Women's Golf	◆	①
PE-103WB	Varsity Sports Strength Training Women's Basketball	◆	PE-201WS	Varsity Sports Strength Training Women's Softball	◆	①
PE-103WF	Varsity Sports Strength Training Women's Soccer	◆	PE-201WV	Varsity Sports Strength Training Women's Volleyball	◆	①
			PE-203MB	Varsity Sports Strength Training Men's Basketball	◆	①

PE-203MF	Varsity Sports Strength Training Men's Soccer   ¹
PE-203MG	Varsity Sports Strength Training Men's Golf   ¹
PE-203MW	Varsity Sports Strength Training Men's Wrestling   ¹
PE-203WB	Varsity Sports Strength Training Women's Basketball   ¹
PE-203WF	Varsity Sports Strength Training Women's Soccer   ¹
PE-203WG	Varsity Sports Strength Training Women's Golf   ¹
PE-203WS	Varsity Sports Strength Training Women's Softball   ¹
PE-203WV	Varsity Sports Strength Training Women's Volleyball   ¹
PE-222	Wellness Lifestyles   
PE-226	Stress Management  
PE-288	First Aid   
SOC-220	Marriage and Family   

¹ Course enrollment is restricted to current student athletes only.

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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 a Passport 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 students earning their General Education Academic Certificate will meet the Passport requirements. Interstate Passport receiving institutions may require students who transfer with a Passport to complete other lower-division general education courses in cases where those courses are prerequisites for entry into or continuation in a particular program of study, are specific graduation requirements, or required by statute.















WCHE 1 - Oral Communication

Code	Title	Credits
Complete the following:		3
COMM-101	Introduction to Speech Communication  	3

WCHE 2 - Written Communication


























Code	Title	Credits
Select one of the following:		3
ENGL-101	English Composition  	
ENGL-102	English Composition  	



WCHE 3 - Quantitative Literacy

Code	Title	Credits
Select one of the following:		3-5
MATH-123	Contemporary Mathematics  	
MATH-130	Finite Mathematics  	
MATH-143	College Algebra  	
MATH-147	Pre-Calculus  	
MATH-160	Survey of Calculus  	
MATH-170	Analytic Geometry and Calculus I  	
MATH-253	Principles of Applied Statistics  	

WCHE 4 - Creative Expression

Code **Title** **Credits**
 Complete at least 2 courses from two different disciplines. 6
 Completion of one or more Modern Language course (ASL, FREN, GERM, ITAL, SPAN) counts as one discipline:

AIST-285	American Indian Literature  	
ART-100	Survey of Art  	
ART-101	Art History From Caves to Cathedrals  	
ART-102	Art History From Da Vinci to Digital  	
CINA-126	Film and Culture  	
COMM-220	Intro to Intercultural Communication  	
ENGL-175	Introduction to Literature  	
ENGL-257	Literature of Western Civilization  	
ENGL-258	Literature of Western Civilization  	
ENGL-267	Survey of English Literature  	
ENGL-268	Survey of English Literature  	
ENGL-271	Introduction to Shakespeare  	
ENGL-277	Survey of American Literature  	
ENGL-278	Survey of American Literature  	
ENGL-285	American Indian Literature  	
FLAN-207	Contemporary World Cultures  	
HUMS-101	Montage: Introduction to the Humanities  	
HUMS-126	Film and Culture  	
HUMS-200	Interdisciplinary Seminar  	
INTR-200	Interdisciplinary Seminar  	
MUSH-101	Survey of Music   	
MUSH-127	Survey of American Popular Music Since 1900   	
MUSH-163	Survey of World Music   	
PHIL-101	Introduction to Philosophy   	
PHIL-103	Ethics   	
PHIL-111	World Religions   	
PHIL-201	Logic and Critical Thinking   	
PHIL-205	Political and Social Philosophy   	
PHIL-220	Asian Philosophy   	
POLS-208	Political and Social Philosophy  	
THEA-101	Introduction to the Theatre   	
ASL-101	Elementary American Sign Language I   	
ASL-102	Elementary American Sign Language II   	
FREN-101	Elementary French I   	
FREN-102	Elementary French II   	
GERM-101	Elementary German I  	
GERM-102	Elementary German II   	
ITAL-101	Elementary Italian I   	
ITAL-102	Elementary Italian II   	

SPAN-101 Elementary Spanish I  SPAN-102 Elementary Spanish II  

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







































Code	Title	Credits
Complete one of the following:		1-3
CHD-110	Child Health, Safety and Nutrition  	
CLC-101	Designing Your NIC Experience  	
CLC-102	Designing Your Life and Career  	
MUSP-103	North Idaho College Cardinal Chorale  	
MUSP-104	Vocal Jazz Ensemble  	
MUSP-106	North Idaho College Wind Symphony  	
MUSP-107	Cardinal Pep Band  	
MUSP-110M	Chamber Singers  	
MUSP-111C	Chamber Ensemble  	
MUSP-111O	Cardinal Chamber Orchestra  	
MUSP-113	North Idaho College Jazz Ensemble  	
NURS-115	Wellness for Care Providers  	
PE-101MB	Varsity Sports Strength Training Men's Basketball   ¹	
PE-101MF	Varsity Sports Strength Training Men's Soccer   ¹	
PE-101MG	Varsity Sports Strength Training Men's Golf   ¹	
PE-101MW	Varsity Sports Strength Training Men's Wrestling   ¹	
PE-101WB	Varsity Sports Strength Training Women's Basketball   ¹	
PE-101WF	Varsity Sports Strength Training Women's Soccer   ¹	
PE-101WG	Varsity Sports Strength Training Women's Golf   ¹	
PE-101WS	Varsity Sports Strength Training Women's Softball   ¹	
PE-101WV	Varsity Sport Strength Training Women's Volleyball   ¹	
PE-103MB	Varsity Sports Strength Training Men's Basketball   ¹	
PE-103MF	Varsity Sports Strength Training Men's Soccer   ¹	
PE-103MG	Varsity Sports Strength Training Men's Golf   ¹	
PE-103MW	Varsity Sports Strength Training Men's Wrestling   ¹	
PE-103WB	Varsity Sports Strength Training Women's Basketball   ¹	







PE-103WF	Varsity Sports Strength Training Women's Soccer   ¹
PE-103WG	Varsity Sports Strength Training Women's Golf   ¹
PE-103WS	Varsity Sports Strength Training Women's Softball   ¹
PE-103WV	Varsity Sport Strength Training Women's Volleyball   ¹
PE-110B	Begin Whitewater Kayaking  
PE-110C	Beginning Rock Climbing  
PE-110D	Beginning Sailing  
PE-110E	Beginning Yoga  
PE-110F	Cardiovascular Training  
PE-110J	Jogging/Powerwalking  
PE-110L	Lake Kayak/Canoe  
PE-110M	Pilates  
PE-110PP	Cross Country Skiing  
PE-110QQ	Zumba  
PE-110R	Strength Training  
PE-110T	Tone and Trim  
PE-110TT	Spinning  
PE-110V	Cardio Cross Training  
PE-110VV	Introduction to CrossFit  
PE-110W	Mountain Biking  
PE-110Y	Bowling  
PE-110Z	Beginning Fly Fishing  
PE-111B	Beginning Golf  
PE-111D	Racquetball  
PE-111F	Beginning Tennis  
PE-111H	Whitewater Rafting  
PE-111O	Outdoor Adventures  
PE-111P	Stand Up Paddle Boarding  
PE-201MB	Varsity Sports Strength Training Men's Basketball   ¹
PE-201MF	Varsity Sports Strength Training Men's Soccer   ¹
PE-201MG	Varsity Sports Strength Training Men's Golf   ¹
PE-201MW	Varsity Sports Strength Training Men's Wrestling   ¹
PE-201WB	Varsity Sports Strength Training Women's Basketball   ¹
PE-201WF	Varsity Sports Strength Training Women's Soccer   ¹
PE-201WG	Varsity Sports Strength Training Women's Golf   ¹
PE-201WS	Varsity Sports Strength Training Women's Softball   ¹
PE-201WV	Varsity Sports Strength Training Women's Volleyball   ¹

PE-203MB	Varsity Sports Strength Training Men's Basketball   ¹
PE-203MF	Varsity Sports Strength Training Men's Soccer   ¹
PE-203MG	Varsity Sports Strength Training Men's Golf   ¹
PE-203MW	Varsity Sports Strength Training Men's Wrestling   ¹
PE-203WB	Varsity Sports Strength Training Women's Basketball   ¹
PE-203WF	Varsity Sports Strength Training Women's Soccer   ¹
PE-203WG	Varsity Sports Strength Training Women's Golf   ¹
PE-203WS	Varsity Sports Strength Training Women's Softball   ¹
PE-203WV	Varsity Sports Strength Training Women's Volleyball   ¹
PE-222	Wellness Lifestyles     
PE-226	Stress Management     
PE-288	First Aid     
SOC-220	Marriage and Family       


































¹ Course enrollment is restricted to current student athletes only.

WICHE 7 - Human Society and the Individual

Code	Title	Credits
Complete at least 6 credits, including courses from two different disciplines:		6
AIST-101	American Indian Studies   	
ANTH-100	Introduction to Anthropology   	
ANTH-220	Peoples of the World   	
CHD-134	Infancy Through Middle Childhood   	
COMJ-140	Mass Media in a Free Society   	
COMM-233	Interpersonal Communication   	
ECON-201	Principles of Economics (Macro)   	
ECON-202	Principles of Economics (Micro)   	
HIST-101	History of Civilization to 1500   	
HIST-102	History of Civilization Since 1500   	
HIST-103	History of Civilization 20th Century   	
HIST-111	U.S. History to 1876   	
HIST-112	U.S. History After 1876   	
HIST-211	History of the Americas I: First Peoples And Colonial Period   	
HIST-212	History of the Americas II: Since Independence   	
POLS-101	American National Government   	
POLS-237	International Politics and Problems   	
PSYC-101	Introduction to Psychology   	

SOC-101	Introduction to Sociology   
SOC-102	Social Problems   





















WICHE 8 - Natural Sciences




Code	Title	Credits
Complete 1 Life Science course and 1 Physical Science course:		8
BTNY-203	General Botany    ¹	
ZOOL-202	General Zoology    ¹	
CHEM-100	Concepts of Chemistry I    ²	
CHEM-101	Introduction to Essentials of General Chemistry I    ²	
CHEM-105	General, Organic, and Biochemistry    ²	
CHEM-111	Principles of General College Chemistry I    ²	
CHEM-112	Principles of General College Chemistry II    ²	
ENSI-119	Introduction to Environmental Science    ²	
PHYS-101	Fundamentals of Physical Science    ²	
PHYS-111	General Physics I    ²	
PHYS-211	Engineering Physics I    ²	




¹ Life Science course

² Physical Science course

WICHE 9 - Critical Thinking

Code	Title	Credits
Complete one of the following:		3
INTR-250A	Death and Dying: A Sociocultural, Historical, and Biological Perspective   	
INTR-250B	Physical and Virtual Environments   	
INTR-250C	Integrative Business and Value Creation   	
INTR-250D	Juvenile Justice   	
INTR-250E	Writing in the Wild: Literature and Language of Natural Spaces   	
INTR-250F	Integrative Inquiry: The Art of Presence   	
INTR-250G	Teaching and Learning in the Outdoors   	
INTR-250H	Manufacturing Desire: Persuasive Marketing and Message Creation   	
INTR-250I	Page to Stage: Making Theatre From Scratch   	
INTR-250J	Psychology of Marketing   	
INTR-250K	Art and Social Justice   	
INTR-250L	Artistic Expression in the 20th Century   	
INTR-250M	Eastern Europe: Society Through Film   	
INTR-250N	Mathematics and Aesthetics of Musical Tuning   	

INTR-2500 Leadership in Interprofessional
Healthcare   

INTR-250P Common Read   



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 2.00 (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






















Code	Title	Credits
ENGL-101	English Composition  	3

GEM 2 - Oral Communication

Code	Title	Credits
COMM-101	Introduction to Speech Communication  	3













GEM 3 - Mathematical Ways of Knowing

Select one of the following: 3-5

MATH-123	Contemporary Mathematics   
MATH-130	Finite Mathematics   
MATH-143	College Algebra   
MATH-147	Pre-Calculus   
MATH-160	Survey of Calculus   
MATH-170	Analytic Geometry and Calculus I   
MATH-253	Principles of Applied Statistics   









GEM 6 - Social and Behavioral Ways of Knowing

Select one of the following: 3

AIST-101	American Indian Studies  
ANTH-100	Introduction to Anthropology  
CHD-134	Infancy Through Middle Childhood  
COMJ-140	Mass Media in a Free Society  
COMM-233	Interpersonal Communication  
ECON-201	Principles of Economics (Macro)  
ECON-202	Principles of Economics (Micro)  

HIST-101	History of Civilization to 1500  
HIST-102	History of Civilization Since 1500  
HIST-103	History of Civilization 20th Century  
HIST-111	U.S. History to 1876  
HIST-112	U.S. History After 1876  
HIST-211	History of the Americas I: First Peoples And Colonial Period  
HIST-212	History of the Americas II: Since Independence  
POLS-101	American National Government  
POLS-237	International Politics and Problems  
PSYC-101	Introduction to Psychology  
POLS-237	International Politics and Problems  
PSYC-101	Introduction to Psychology  
SOC-101	Introduction to Sociology  
SOC-102	Social Problems  

Institutionally Designated

Code	Title	Credits
Select one of the following:		3-5
Any course from GEM 1 or GEM 3-6		
INTR 250 Integrative Inquiry (p. 309)		
PE-222	Wellness Lifestyles   	
PE-226	Stress Management  	
PE-288	First Aid   	

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.

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

ADVISING SERVICES

A North Idaho College advisor is actively engaged in providing students with the educational guidance and assistance they need to be successful students. Advising is a continuous process of connecting with students, helping them clarify their academic and career goals, while also introducing and reinforcing their use of various campus resources. By collaborating with staff and faculty across campus, advisors participate in providing positive institutional experiences that aid in student academic and personal success.

An advisor is assigned to a student based on their program of study. An advisor may be professional advisor, a faculty advisor and/or an athletic coach. To find out who your advisor is, log in to MyNIC and click on Self-Service → Student Planning → Plan & Schedule → Advising. You may email your advisor from the Advising page or you may look up them up in the NIC Directory and call them to schedule an appointment. Advisors are assigned approximately four weeks into the semester. If you have questions about your advisor assignment, please contact Advising Services at (208) 769-7821.

Advising at NIC is a team approach between faculty, staff, and students.

Advisors:

- Are dedicated to the advising process and exhibit a caring attitude toward advisees.
- Are accessible to students.
- Help students clarify career/life goals as well as educational goals.
- Are familiar with institutional regulations, policies and procedures especially as they relate to academic and/or graduation requirements.

PROGRAM GUIDELINES

A

- Accounting Assistant (AAS) (p. 54)
- Accounting Assistant-Bookkeeping Emphasis (ATC) (p. 56)
- Accounting Assistant-Bookkeeping Emphasis (ITC) (p. 55)
- Administrative Office Management Technology (AAS) (p. 57)
- Administrative Office Technology (BTC) (<https://catalog.nic.edu/program-guidelines/aot-btc>)
- Aerospace Composite Fabrication (BTC) (p. 59)
- Aerospace Composite Technician (ITC) (p. 60)
- Aerospace Repair and Quality Assurance (BTC) (p. 61)
- Aerospace Technology Advanced Manufacturing (AAS) (p. 64)
- Aerospace Technology Advanced Manufacturing (ATC) (p. 62)
- Aerospace Technology Computer Numerical Control (CNC) Mill Operation (BTC) (p. 66)
- Aerospace Technology Core (BTC) (p. 67)
- Aerospace Technology Nondestructive Testing and Inspection (BTC) (p. 68)
- American Indian Studies (AA) (p. 69)
- American Indian Studies (AC) (p. 70)
- American Sign Language Studies (AA) (p. 71)
- Anthropology (AA) (p. 72)
- Art (AA) (p. 73)
- Automotive Technology (AAS) (p. 76)
- Automotive Technology (ATC) (p. 75)
- Automotive Technology (ITC) (p. 74)
- Aviation Maintenance Technology (AAS) (p. 79)
- Aviation Maintenance Technology (ATC) (p. 77)

B

- Biology, Botany, and Zoology (AS) (p. 81)
- Business (AS) (p. 82)
- Business Management (AAS) (p. 84)
- Business Management – Entrepreneurship (BTC) (p. 85)
- Business Management – General Business Core (BTC) (p. 86)
- Business Management – Human Resource Management (BTC) (p. 87)
- Business Management – Supervision (BTC) (p. 88)

C

- Carpentry and Construction Technology (ITC) (p. 89)
- Chemistry (AS) (p. 90)
- Child Development (AC) (p. 91)
- Child Development (AS) (p. 92)
- Child Development Associate Credential Program (AC) (p. 93)
- Collision Repair Technology (ITC) (p. 94)
- Communication (AA) (p. 96)

- Communication (AC) (p. 95)
- Computer Aided Design Technology–Architectural Design Option (AAS) (p. 99)
- Computer Aided Design Technology–Architectural Design Option (ATC) (p. 98)
- Computer Aided Design Technology–Architectural Design Option (ITC) (p. 97)
- Computer Aided Design Technology–Mechanical Design Option (AAS) (p. 103)
- Computer Aided Design Technology–Mechanical Design Option (ATC) (p. 102)
- Computer Aided Design Technology–Mechanical Design Option (ITC) (p. 101)
- Computer Applications (BTC) (p. 105)
- Computer Information Technology (AAS) (p. 108)
- Computer Information Technology (ATC) (p. 107)
- Computer Information Technology (ITC) (p. 106)
- Computer Science (AS) (p. 109)
- Construction Management (AAS) (p. 110)
- Criminal Justice (AA) (p. 112)
- Culinary Arts (AAS) (p. 115)
- Culinary Arts (ATC) (p. 114)
- Culinary Arts (ITC) (p. 113)
- Cybersecurity and Networking (BTC) (p. 116)

D

- Diesel Technology (AAS) (p. 119)
- Diesel Technology (ATC) (p. 118)
- Diesel Technology (ITC) (p. 117)

E

- Education – Elementary or Middle School Teacher Education (AA) (p. 120)
- Education – Secondary Education (AA) (p. 121)
- Engineering (AS) (p. 122)
- English (AA) (p. 124)
- Entrepreneurship (AC) (p. 126)
- Environmental Science (AS) (p. 127)

F

- Fire Service Technology (AAS) (p. 128)
- Forestry/Wildlife/Range Management (AS) (p. 129)

G

- General Studies (AA) (p. 130)
- Geology (AS) (p. 131)
- Graphic Design (AAS) (p. 134)
- Graphic Design (ATC) (p. 133)
- Graphic Design (ITC) (p. 132)

H

- Health Information Fundamentals (ITC) (p. 135)
- Healthcare Computer Technician (AAS) (p. 137)
- Healthcare Computer Technician (ATC) (p. 136)

- Heating, Ventilation, Air Conditioning, and Refrigeration (ITC) (p. 138)
- History (AA) (p. 139)
- Hospitality Management (AAS) (p. 142)
- Hospitality Management (ATC) (p. 141)
- Hospitality Management (ITC) (p. 140)
- Humanities (AA) (p. 143)

I

- Industrial Mechanic/Millwright (ITC) (p. 144)
- Interdisciplinary Studies (AA) (p. 145)

J

- Journalism (AA) (p. 146)

L

- Law Enforcement (AAS) (p. 149)
- Law Enforcement (BTC) (p. 147)
- Law Enforcement (ITC) (p. 148)

M

- Machining and CNC Technology (AAS) (p. 154)
- Machining and CNC Technology (ATC) (p. 152)
- Machining and CNC Technology (ITC) (p. 151)
- Mathematics (AS) (p. 156)
- Mechatronics (AAS) (p. 158)
- Mechatronics (ATC) (p. 157)
- Medical Administrative Assistant (AAS) (p. 160)
- Medical Assistant (AAS) (p. 162)
- Medical Assistant (ITC) (p. 161)
- Medical Billing Specialist (AAS) (p. 164)
- Medical Laboratory Technology (AAS) (p. 165)
- Medical Receptionist (ITC) (p. 167)
- Modern Languages (AA) (p. 168)
- Music (AA) (p. 169)

N

- Network Security Administration (AAS) (p. 174)
- Network Security Administration (ATC) (p. 172)
- Network Security Administration (ITC) (p. 171)
- Nursing: Practical Nursing (P.N.) (ITC) (p. 176)
- Nursing: Registered Nursing (R.N.) (AS) (p. 177)

O

- Office Specialist/Receptionist (ITC) (p. 180)
- Office Technology (ITC) (p. 181)
- Outdoor Recreation Leadership (AAS) (p. 184)
- Outdoor Recreation Leadership (ATC) (p. 183)
- Outdoor Recreation Leadership (ITC) (p. 182)

P

- Paralegal (AAS) (p. 185)
- Pharmaceutical Manufacturing (AS) (p. 186)

- Pharmacy Technology (ITC) (p. 187)
- Philosophy (AA) (p. 188)
- Photography (AA) (p. 189)
- Physical Education (AS) (p. 190)
- Physical Therapist Assistant (AAS) (p. 192)
- Physics/Astronomy (AS) (p. 194)
- Political Science and Pre-Law (AS) (p. 195)
- Pre-Medical Related Fields (AS) (p. 196)
- Pre-Microbiology/Medical Technology (AS) (p. 197)
- Pre-Nutrition (AS) (p. 198)
- Pre-Physical Therapy (AS) (p. 199)
- Pre-Veterinary Medicine (AS) (p. 200)
- Psychology (AS) (p. 201)
- Public Relations (AA) (p. 202)

R

- Radiography Technology (AAS) (<https://catalog.nic.edu/program-guidelines/radt-aas>)

S

- Social Work (AA) (p. 203)
- Sociology (AA) (p. 204)
- Surgical Technology (AAS) (p. 205)

T

- Theatre (AA) (p. 206)

V

- Virtual Administrative Assistant (ITC) (p. 207)

W

- Web Design (AAS) (p. 209)
- Web Design (ATC) (p. 208)
- Welding Technology (AAS) (p. 212)
- Welding Technology (ATC) (p. 211)
- Welding Technology (ITC) (p. 210)

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, and analysis and decision making. 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 keyboarding skills need to be at least 35 wpm with 95% accuracy. Keyboarding skill will be assessed in the CAOT-120 course.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=1)

Program Requirements

Course	Title	Credits
Semester 1		
ACCT-110 or ACCT-201	Small Business Accounting or Principles of Accounting	3
ACCT-150	10-Key Skill Building	1
BUSA-101	Introduction to Business	3
CAOT-120	Word Processing/Word I	1
CAOT-130	Spreadsheets/Excel I	1
CAOT-131	Spreadsheets/Excel II	1
ENGL-101	English Composition	3
	Credits	13
Semester 2		
ACCT-111 or ACCT-202	Small Business Accounting II or Managerial Accounting	3
ACCT-113	Payroll Accounting	3
ACCT-140	QuickBooks Pro	3
CAOT-121	Word Processing/Word II	1
COMM-101	Introduction to Speech Communication	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	16-18
Semester 3		
ACCT-243	Accounting Ethics Fraud Examination	3
ACCT-244	Credit and Collections	3

ACCT-246	Current Business Taxes	3
CAOT-140	Database/Access I	1
CAOT-115	Outlook	1
ENGL-272	Business Writing	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	17

Semester 4

ACCT-242	Cost Accounting	3
ACCT-248	Accounting Internship	4
BUSA-211	Principles of Management	3
BUSA-265	Legal Environment of Business	3
CAOT-250	Office Skills Capstone	1
ECON-201	Principles of Economics (Macro)	3
	Credits	17
	Total Credits	63-65

Course Key



GEM



WCHE

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.

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 (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, and analysis and decision making. 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 keyboarding skills need to be at least 35 wpm with 95% accuracy. Keyboarding skill will be assessed in the CAOT-120 course.

Gainful Employment Information (<https://www.nic.edu/programs/ge/1-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=1)

Program Requirements

Course	Title	Credits
Semester 1		
ACCT-110 or ACCT-201	Small Business Accounting or Principles of Accounting	3
ACCT-150	10-Key Skill Building	1
BUSA-101	Introduction to Business	3
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word I	1
CAOT-130	Spreadsheets/Excel I	1
ENGL-101	English Composition	3
Select one of the following:		3-5
BLDR-120	Financial Business Applications	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
	Credits	16-18
Semester 2		
ACCT-111 or ACCT-202	Small Business Accounting II or Managerial Accounting	3
ACCT-113	Payroll Accounting	3

ACCT-140	QuickBooks Pro	3
ACCT-243	Accounting Ethics Fraud Examination	3
BUSA-211	Principles of Management	3
CAOT-131	Spreadsheets/Excel II	1
CAOT-140	Database/Access I	1
	Credits	17
	Total Credits	33-35

Course Key



GEM



WCHE

AAS
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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.

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, and analysis and decision making. 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 keyboarding skills need to be at least 35 wpm with 95% accuracy. Keyboarding skill will be assessed in the CAOT-120 course.

Gainful Employment Information (<https://www.nic.edu/programs/ge/1-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=1)

Program Requirements

Course	Title	Credits
Semester 1		
ACCT-110 or ACCT-201	Small Business Accounting or Principles of Accounting	3
ACCT-150	10-Key Skill Building	1
BUSA-101	Introduction to Business	3
CAOT-130	Spreadsheets/Excel I	1
ENGL-101	English Composition	3
Select one of the following:		3-5
BLDR-120	Financial Business Applications	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
	Credits	14-16
Semester 2		
ACCT-111 or ACCT-202	Small Business Accounting II or Managerial Accounting	3
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word I	1
CAOT-131	Spreadsheets/Excel II	1

CAOT-140	Database/Access I	1
COMM-101	Introduction to Speech Communication	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	13
Semester 3		
ACCT-140	QuickBooks Pro	3
ACCT-244	Credit and Collections	3
ACCT-243	Accounting Ethics Fraud Examination	3
ACCT-246	Current Business Taxes	3
	Credits	12
Semester 4		
ACCT-113	Payroll Accounting	3
ACCT-242	Cost Accounting	3
ACCT-248	Accounting Internship	4
CAOT-250	Office Skills Capstone	1
BUSA-211	Principles of Management	3
	Credits	14
	Total Credits	53-55

Course Key



GEM



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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.

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. These might be in travel, sports, or entertainment; banking, insurance, construction and engineering, real estate; technical, government, or foreign service; public, private, or temporary agencies.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=3)

Program Requirements

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

Semester 3

ACCT-110 or ACCT-201	Small Business Accounting ¹ or Principles of Accounting	3
BUSA-221	Principles of Marketing	3
CAOT-166	Living Online for Technical Program	1
CAOT-184	Records Systems Management	3
CAOT-205	Business Doc Formatting/Transcription	2
COMM-101	Introduction to Speech Communication	3
	Credits	15

Semester 4

ACCT-150	10-Key Skill Building	1
CAOT-221	Administrative Assistant Internship II	3
CAOT-250	Office Skills Capstone	1
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
A.A.S. Institutionally Designated (p. 50)		3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	14-16
	Total Credits	60-63

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

Course Key



GEM



WCHE

AAS
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Gateway



Milestone

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.

AEROSPACE COMPOSITE FABRICATION (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program prepares students for entry level employment in the aerospace composites manufacturing industries. The curriculum provides students with the skills necessary to work in various phases of the composite fabrication and repair, and teaches industry recognized quality assurance procedures. Students receive hands-on working knowledge from a qualified instructor in a lab setting where the focus is on the manufacturing methods and techniques used in aerospace industry composite components. Coursework includes safety requirements, blueprint reading, composite fabrication and repair, geometric dimensioning and tolerance, shop math and projects specific to industry standards.

Students will participate in a blended learning environment. Some courses are delivered in an online delivery format. Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended.

Program Website (https://www.nic.edu/programs/viewProgram.aspx?program_id=93)

Program Requirements

Code	Title	Credits
AERO-110	Safety/OSHA	1
AERO-111	Blueprint Reading	2
AERO-120	Introduction to Composites	3
AERO-121	Composite Fabrication Methods/Applications	2
AERO-122	Composite Finish Trim	1
AERO-123	Composite Assembly	2
AERO-130	Disassembly and Damage Removal Techniques	1
Total Credits		12

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

- Operate tools and equipment safely. This includes personal and aircraft safety standards related to shop layout , equipment use, and the handling and storage of materials.
- Read and correctly interpret blueprints.
- Demonstrate an understanding of, and define and utilize composite terminology.
- Consistently display precision manufacturing processes such as measuring, drilling, and fabricating components.
- Demonstrate appropriate use of cutting tools.
- Attach fasteners, metal components, brackets, and fittings to composite materials with precision and proper care of materials.
- Use of basic communication skills to meet the needs of the workplace.

Program Outcomes

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

- Students will be able to fabricate composites using industry recognized techniques.
- Students will demonstrate the skills and knowledge necessary to work in an entry level position for the composite fabrication industry.

AEROSPACE COMPOSITE TECHNICIAN (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program prepares students for entry-level employment in the aerospace composites manufacturing industries. The curriculum provides students with the skills necessary to work in various phases of the composite fabrication and repair, and teaches industry recognized quality assurance procedures. Students receive hands-on working knowledge from a qualified instructor in a lab setting where the focus is on the manufacturing methods and techniques used in aerospace industry composite components. Coursework includes safety requirements, blueprint reading, composite fabrication and repair, geometric dimensioning and tolerance, shop math and projects specific to industry standards.

Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended.

Placement in specific math and English courses is determined by the College's placement assessments. Prospective students who do not meet the initial eligibility requirements for a career-technical program will need to take selected courses to receive necessary skill building prior to entering the program.

Gainful Employment Information (<https://www.nic.edu/programs/ge/94-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewProgram.aspx?program_id=94)

Program Requirements

Course	Title	Credits
Semester 1		
AERO-110	Safety/OSHA	1
AERO-111	Blueprint Reading	2
AERO-120	Introduction to Composites	3
AERO-121	Composite Fabrication Methods/Applications	2
AERO-122	Composite Finish Trim	1
AERO-123	Composite Assembly	2
AERO-130	Disassembly and Damage Removal Techniques	1
Select one of the following:		3-5
MCTE-103	Technical Mathematics for Aerospace Technology	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17
Semester 2		
AERO-131	Composite Repair	2
AERO-133	Electrical Bonding Repair	1
AERO-142	Composite Inspection	1
AERO-143	Advanced Composite Repair	3
AERO-144	Basics of Quality Assurance	2

ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		12
Total Credits		27-29

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- Fabricate and repair composites using industry recognized techniques.
- Demonstrate the skills and knowledge necessary to work in an entry-level quality assurance position for the composite fabrication industry.
- Apply quality assurance techniques to composite processes.
- Demonstrate the skills and knowledge necessary to repair composites necessary to the aerospace industry.
- Operate tools and equipment safely. This includes personal and aircraft safety standards related to shop layout, equipment use, and the handling and storage of materials.
- Read and correctly interpret aircraft blueprints.
- Demonstrate an understanding of, and define and utilize composite terminology.
- Consistently display precision manufacturing processes such as measuring, drilling, and fabricating components.
- Demonstrate appropriate use of cutting tools.
- Attach fasteners, metal components, brackets, and fittings to composite materials with precision and proper care of materials.
- Use basic communication skills to meet the needs of the workplace.

AEROSPACE REPAIR AND QUALITY ASSURANCE (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program provides students with the skills necessary to work in the composite industry providing quality assurance procedures and techniques. Students receive hands-on working knowledge of the manufacturing methods and techniques used in today's composite components. Students will become familiar with the materials used in the aerospace industry and with testing methods. Students receive experience from a qualified instructor in the quality assurance manufacturing methods and techniques used in today's composite industries. Students will acquire skills in composite repair through a lab and lecture course taught around disassembly and damage removal techniques. Learning opportunities develop academic and professional knowledge and skills required for job acquisition, retention and advancement. The program emphasizes specialized training in quality control processes including selection measurement, testing, testing documentation of products manufactured in the aerospace industry, blueprint reading and safety techniques.

Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended. Prospective students who do not meet the initial eligibility requirements for a career-technical program will need to take selected courses to receive necessary skill building prior to entering the program.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=95)

Program Requirements

Code	Title	Credits
AERO-131	Composite Repair	2
AERO-133	Electrical Bonding Repair	1
AERO-142	Composite Inspection	1
AERO-143	Advanced Composite Repair	3
AERO-144	Basics of Quality Assurance	2
Total Credits		9

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

- Demonstrate the skills and knowledge necessary to repair composites used in the aerospace industry.
- Define and utilize composite terminology.
- Apply quality assurance techniques to composite processes.
- Consistently display precision manufacturing processes such as measuring, drilling, and fabricating components.
- Demonstrate appropriate use of cutting tools.
- Demonstrate knowledge of grounding theory, and the proper techniques for fine quality control when performing electrical bonding.
- Attach fasteners, metal components, brackets, and fittings to composite materials with precision.
- Identify and interpret Geometric Dimensioning and Tolerancing symbols.
- Function effectively within diverse groups of individuals by working within team structures on various lab projects and assignments.
- Use a computer to word process and access the internet.
- Demonstrate basic computation and communication skills when performing the job functions required of an aerospace composite technician.

Program Outcomes

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

- Fabricate and repair composites using industry recognized techniques.

AEROSPACE TECHNOLOGY ADVANCED MANUFACTURING (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 aerospace technology manufacturing specifically pertaining to composite fabrication and repair, Quality Assurance methods, CNC machine operation, and non-destructive testing and inspection. The curriculum provides students with the knowledge and skills necessary to work in various phases of the aerospace advanced manufacturing field. Students receive hands-on working knowledge from a qualified instructor in a lab setting where the focus is on manufacturing fabrication, repair, quality assurance, and non-destructive testing methods used by the aerospace industry.

Gainful Employment Information (<https://www.nic.edu/programs/ge/83-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=83)

Program Requirements

Course	Title	Credits
Semester 1		
AERO-110	Safety/OSHA	1
AERO-111	Blueprint Reading	2
AERO-120	Introduction to Composites	3
AERO-121	Composite Fabrication Methods/Applications	2
AERO-122	Composite Finish Trim	1
AERO-123	Composite Assembly	2
AERO-130	Disassembly and Damage Removal Techniques	1
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
MCTE-103	Technical Mathematics for Aerospace Technology	
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	
MCTE-106	Technical Mathematics for Industrial Mechanic/Millwright; HVAC; Welding	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17
Semester 2		
AERO-131	Composite Repair	2
AERO-133	Electrical Bonding Repair	1
AERO-142	Composite Inspection	1
AERO-143	Advanced Composite Repair	3
AERO-144	Basics of Quality Assurance	2
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	
Credits		9

Semester 3

AERO-191	Visual Inspection	1
Aerospace Technology Advanced Manufacturing Electives		10
Credits		11

Semester 4

AERO-141	Geometric Dimensioning and Tolerance	1
AERO-150	Computer Numerical Control (CNC) Mill Basics	2
AERO-152	CNC Mill Setup and Operation	3
AERO-153	Aerospace CNC Mill Operation	3
AERO-154	5-Axis Mill Setup and Operation	3
A TEC-117	Occupational Relations and Job Search	2
Credits		14
Total Credits		49-51

Aerospace Technology Advanced Manufacturing Electives

Code	Title	Credits
AERO-101	Aviation Science	3
AERO-160	Introduction to 3-D Printing	3
AERO-192	Liquid Penetrant	1
AERO-193	Magnetic Particle	2
AERO-194	Eddy Current	3
AERO-195	Ultrasonic	4
CADT-104M	CAD Graphics I - Mechanical Applications	2
CADT-106M	CAD Graphics II - Mechanical Applications	2
CADT-250	SolidWorks I	2
CADT-252	SolidWorks II	2
CADT-253	Industrial Processes	3
MACH-153	Precision Measuring	1
MACH-231	Computers in Machining	3

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- Fabricate and repair composites using industry recognized techniques.
- Demonstrate the skills and knowledge necessary to work in an entry-level quality assurance position for the composite fabrication industry.
- Apply quality assurance techniques to composite processes.
- Demonstrate the skills and knowledge necessary to repair composites necessary to the aerospace industry.
- Use basic communication skills to meet the needs of the workplace.
- Have knowledge of the fundamental concepts in the Computer Numerical Control (CNC) milling process and demonstrate the skills necessary to enter the work force as an entry level CNC mill operator in the Aerospace Industry.
- Efficiently setup and run a CNC mill and write simple programs.
- Apply quality assurance techniques to CNC Mill process.

- Demonstrate the skills necessary to enter the work force as an entry level I NDTI.
- Demonstrate knowledge of METHOD theory and concepts, standards, equipment calibration and calibration standards, testing process and limitations, indication interpretation and evaluation, and data reporting.
- Have general knowledge of the historical, environmental, and ethical importance of proper NDTI execution.

AEROSPACE TECHNOLOGY ADVANCED MANUFACTURING (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 aerospace technology manufacturing specifically pertaining to composite fabrication and repair, Quality Assurance methods, CNC machine operation, and non-destructive testing and inspection. The curriculum provides students with the knowledge and skills necessary to work in various phases of the aerospace advanced manufacturing field. Students receive hands-on working knowledge from a qualified instructor in a lab setting where the focus is on manufacturing fabrication, repair, quality assurance, and non-destructive testing methods used by the aerospace industry.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=83)

Program Requirements

Course	Title	Credits
Semester 1		
AERO-110	Safety/OSHA	1
AERO-111	Blueprint Reading	2
AERO-120	Introduction to Composites	3
AERO-121	Composite Fabrication Methods/Applications	2
AERO-122	Composite Finish Trim	1
AERO-123	Composite Assembly	2
AERO-130	Disassembly and Damage Removal Techniques	1
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	15-17
Semester 2		
AERO-131	Composite Repair	2
AERO-133	Electrical Bonding Repair	1
AERO-142	Composite Inspection	1
AERO-143	Advanced Composite Repair	3
AERO-144	Basics of Quality Assurance	2
ENGL-101	English Composition	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	15
Semester 3		
AERO-191	Visual Inspection	1
A.A.S. Institutionally Designated (p. 50)		3
Aerospace Technology Advanced Manufacturing Electives		11
	Credits	15
Semester 4		
AERO-141	Geometric Dimensioning and Tolerance	1
AERO-150	Computer Numerical Control (CNC) Mill Basics	2
AERO-152	CNC Mill Setup and Operation	3
AERO-153	Aerospace CNC Mill Operation	3

AERO-154	5-Axis Mill Setup and Operation	3
COMM-101	Introduction to Speech Communication	3
	Credits	15
	Total Credits	60-62

Aerospace Technology Advanced Manufacturing Electives

Code	Title	Credits
AERO-101	Aviation Science	3
AERO-160	Introduction to 3-D Printing	3
AERO-192	Liquid Penetrant	1
AERO-193	Magnetic Particle	2
AERO-194	Eddy Current	3
AERO-195	Ultrasonic	4
ATEC-117	Occupational Relations and Job Search	2
CADT-104M	CAD Graphics I - Mechanical Applications	2
CADT-106M	CAD Graphics II - Mechanical Applications	2
CADT-250	SolidWorks I	2
CADT-252	SolidWorks II	2
CADT-253	Industrial Processes	3
MACH-153	Precision Measuring	1
MACH-231	Computers in Machining	3

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- Fabricate and repair composites using industry recognized techniques.
- Demonstrate the skills and knowledge necessary to work in an entry-level quality assurance position for the composite fabrication industry.
- Apply quality assurance techniques to composite processes.
- Demonstrate the skills and knowledge necessary to repair composites necessary to the aerospace industry.
- Use basic communication skills to meet the needs of the workplace.
- Have knowledge of the fundamental concepts in the Computer Numerical Control (CNC) milling process and demonstrate the skills necessary to enter the work force as an entry level CNC mill operator in the Aerospace Industry.
- Efficiently setup and run a CNC mill and write simple programs.
- Apply quality assurance techniques to CNC Mill process.
- Demonstrate the skills necessary to enter the work force as an entry level I NDTI.
- Demonstrate knowledge of METHOD theory and concepts, standards, equipment calibration and calibration standards, testing process and limitations, indication interpretation and evaluation, and data reporting.
- Have general knowledge of the historical, environmental, and ethical importance of proper NDTI execution.

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.

AEROSPACE TECHNOLOGY COMPUTER NUMERICAL CONTROL (CNC) MILL OPERATION (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program prepares students for entry-level employment in the Aerospace manufacturing industries utilizing Computer Numerical Control (CNC) Mills. The curriculum will provide students with the fundamental skills necessary to setup and run CNC milling machines including setting work and cutter offsets, cutter and tool holder selection, speeds and feeds, the use of work holding fixtures and vises, handwork and inspection, along with the basics of G-code and an intro to Mastercam. The program will also provide students with an understanding of machining aircraft alloys and composites along with the basics of 5-axis and using a probe. Students will participate in a blended learning environment. Some courses are delivered in an online delivery format. Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=96)

Program Requirements

Code	Title	Credits
AERO-110	Safety/OSHA	1
AERO-111	Blueprint Reading	2
AERO-141	Geometric Dimensioning and Tolerance	1
AERO-150	Computer Numerical Control (CNC) Mill Basics	2
AERO-152	CNC Mill Setup and Operation	3
AERO-153	Aerospace CNC Mill Operation	3
AERO-154	5-Axis Mill Setup and Operation	3
Total Credits		15

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

an entry level Computer Numerical Control Mill Operator in the Aerospace Industry.

- Efficiently setup and run a Computer Numerical Control Mill.
- Be able to read and interpret blueprints.
- Understand basic terms and principles of Geometric Dimensioning and Tolerance and its applications.
- Read, interpret and edit Computer Numerical Control programs.
- Operate tools and equipment safely. This includes personal and shop safety standards related equipment use, and the handling storage of materials.
- Apply quality assurance techniques to Computer Numerical Control Mill process.
- Demonstrate an understanding of, and define and utilize Computer Numerical Control Mill and advanced manufacturing terminology/vocabulary.
- Consistently demonstrate precision manufacturing processes such as measuring, drilling, and cutting components.

Program Outcomes

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

- Have a knowledge of the fundamental concepts in the Computer Numerical Control (CNC) milling process and demonstrate the skills necessary to enter the work force as

AEROSPACE TECHNOLOGY CORE (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program prepares students for entry-level employment in the aerospace manufacturing industry. The curriculum provides students with the skills necessary to become a fabrication assistant. These courses also prepare students for entry into more advanced training in the manufacturing skills of composite fabrication, computer numerical control (CNC) mill operation and nondestructive testing. Coursework includes safety requirements, blueprint reading, introduction to composite materials, and an introduction to CNC mill basics. Students will participate in a blended learning environment. Courses are delivered in an online delivery format. Prospective students should have solid math skills and demonstrate mechanical aptitude. Computer and keyboarding skills are recommended.

The Aerospace program features many short-term certificates. These certificates are made up of clusters of related courses that can prepare students for specific work-related job skills in the aerospace industry. Students achieve this stand-alone certificate before continuing into either the Aerospace Composite Fabrication Basic Technical Certificate program or the CNC Mill Operation Basic Technical.

Certificate taken simultaneously.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=97)

Program Requirements

Code	Title	Credits
AERO-110	Safety/OSHA	1
AERO-111	Blueprint Reading	2
AERO-120	Introduction to Composites	3
AERO-150	Computer Numerical Control (CNC) Mill Basics	2
Total Credits		8

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

- Operate tools and equipment safely.
- Read and accurately interpret aircraft blueprints.
- Define and utilize composite terminology.
- Use a computer to word process and access the internet.
- Demonstrate basic computation and communication skills when performing the job functions required of an aerospace composite technician.

Program Outcomes

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

- Demonstrate knowledge of personal and aircraft safety standards related to shop layout, equipment use, and the handling and storage of materials.

AEROSPACE TECHNOLOGY NONDESTRUCTIVE TESTING AND INSPECTION (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program prepares students for entry-level employment as a Nondestructive Testing Technician to be placed in a position to be certified by industry. The program will provide quality, hands-on education with the industry's most current and sophisticated testing equipment. Nondestructive Testing and Inspection technicians are increasingly in demand. This program will provide students with the information required to be trained technicians who understand NDT's role in the aerospace industry and who have knowledge of American Society for Nondestructive Testing (ASNT) standards and been trained in NDT methods, including liquid penetrant, magnetic particle, and visual inspection processes, eddy current, ultrasonic testing. Students will also learn the basics of materials and processes associated with NDT technology. Nondestructive evaluation (NDE) utilizes a number of techniques to determine the health of an engineering component or structure without affecting its usefulness.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=98)

Program Requirements

Code	Title	Credits
AERO-101	Aviation Science	3
AERO-191	Visual Inspection	1
AERO-192	Liquid Penetrant	1
AERO-193	Magnetic Particle	2
AERO-194	Eddy Current	3
AERO-195	Ultrasonic	4
Total Credits		14

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

testing process and limitations, indication interpretation and evaluation, and data reporting.

- Students will demonstrate the use of basic communication skills to meet the needs of the workplace.
- Students will demonstrate they have a basic understanding of refining processes, mechanical and physical properties of testing samples, and alloying of ferrous and nonferrous materials.
- Students will demonstrate they have a general knowledge of the historical, environmental, safety and ethical importance of proper Non-destructive Testing (NDT) execution.

Program Outcomes

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

- Students will demonstrate the skills necessary to enter the work force with entry-level Non-destructive Testing (NDT) knowledge.
- Upon successful completion students shall be able to demonstrate knowledge of method theory and concepts, standards, equipment calibration and calibration standards,

AMERICAN INDIAN STUDIES (AA)

Associate of Arts

Transfer Program

Interest Areas:









Soc. Sciences and Human Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=4)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ¹	3
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ¹	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
AIST-101	American Indian Studies  	3
AIST-225	Native People of North America	3
	or ANTH-225 Native People of North America	
AIST-285	American Indian Literature   	3
	or ENGL-285 American Indian Literature   	
AIST-240	American Indian History	3
	or HIST-240 American Indian History	
AIST-250	American Indian Sovereignty and Federal Policy	3
Elective Requirements		
Courses 100-level or higher		13-15
Total Credits		60-64

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:

- 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 Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=4)

- 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 material, 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.

Program Requirements

Code	Title	Credits
AIST-101	American Indian Studies   	3
AIST-225	Native People of North America	3
or ANTH-225	Native People of North America	
AIST-240	American Indian History	3
or HIST-240	American Indian History	
AIST-250	American Indian Sovereignty and Federal Policy	3
AIST-285	American Indian Literature   	3
or ENGL-285	American Indian Literature   	
Total Credits		15

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=84)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ¹	3
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
ASL-101	Elementary American Sign Language I    	5
ASL-102	Elementary American Sign Language II    	5
ASL-126	Introduction to ASL Studies	3
ASL-201	Intermediate American Sign Language I	4
ASL-202	Intermediate American Sign Language II	4
ASL-207	Deaf Culture and Community	3
ASL-210	Linguistics of ASL	3
ASL-225	Introduction to Signing Professions	3
ASL-260	Creative Sign Language	3
Total Credits		66-70

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

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

Program Outcomes

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

- Perform at the Intermediate low 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.

ANTHROPOLOGY (AA)

Associate of Arts

Transfer Program

Interest Areas:

Soc. Sciences and Human Svcs.










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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=5)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ²	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
ANTH-100	Introduction to Anthropology    	3
ANTH-220	Peoples of the World  	3
MATH-253	Principles of Applied Statistics   	3
Select two of the following:		6
ANTH-225	Native People of North America	

or AIST-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

Code	Title	Credits
AIST-101	American Indian Studies    	3
BIOL-175	Human Biology   	4
COMM-220	Intro to Intercultural Communication    	3
HIST-101	History of Civilization to 1500    	3
SOC-251	Race and Ethnic Relations	3
Modern Language		4-5

Course Key



GEM



WCHE



AAS
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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=6)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42) ¹		3
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		6
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
Select one of the following:		3
ART-100	Survey of Art   	
ART-101	Art History From Caves to Cathedrals   	
ART-102	Art History From Da Vinci to Digital   	
ART-111	Drawing I	2

ART-112	Drawing II	2
ART-121	2-D/Design Foundations	3
ART-122	3-D/Design Foundations I	3
ART-217	Life Drawing I	3
ART-231	Beginning Painting I	3
or ART-232	Beginning Painting II	
ART-241	Sculpture I	3
or ART-242	Sculpture II	
ART-261	Ceramics I	3
ART-285	Professional Practices	3
Select two of the following:		6
ART-251	Printmaking I	
or ART-252	Printmaking II	
ART-281	Watercolor I	
or ART-282	Watercolor II	
PHTO-183	Introduction to Digital Photography	
Total Credits		67-71

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

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally Designated

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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/7-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=7)

Program Requirements

Course	Title	Credits
Semester 1		
ATEC-117	Occupational Relations and Job Search	2
AUTO-102	Automotive Technology Fundamentals and Safety	2
AUTO-111	Manual Drive Trains and Axles	2
AUTO-118	Electrical Systems	3
AUTO-119L	Automotive Lab I	7
Select one of the following:		3-5
MCTE-104	Technical Mathematics for Automotive Technology and Diesel	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		19-21
Semester 2		
AUTO-124	Brakes, Suspension and Steering	2
AUTO-127	Engine Repair	3
AUTO-129L	Automotive Lab II	7
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		15
Total Credits		34-36

Course Key



GEM



WCHE

AAS
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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/7-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=7)

Program Requirements

Course	Title	Credits
Semester 1		
AUTO-102	Automotive Technology Fundamentals and Safety	2
AUTO-111	Manual Drive Trains and Axles	2
AUTO-118	Electrical Systems	3
AUTO-119L	Automotive Lab I	7
Select one of the following:		3-5
MCTE-104	Technical Mathematics for Automotive Technology and Diesel	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		17-19
Semester 2		
AUTO-124	Brakes, Suspension and Steering	2
AUTO-127	Engine Repair	3
AUTO-129L	Automotive Lab II	7
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		15
Semester 3		
ATEC-117	Occupational Relations and Job Search	2
AUTO-231	Engine Performance I	3
AUTO-233	Electrical Systems II and HVAC	2
AUTO-235L	Advanced Automotive Lab III	7
Credits		14
Semester 4		
AUTO-241	Automatic Transmissions/Transaxles	3

AUTO-243	Engine Performance II	2
AUTO-245L	Advanced Automotive Lab IV	7
Credits		12
Total Credits		58-60

Course Key



GEM



WCHE



AAS

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 (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.

Program Website (https://www.nic.edu/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.)

Course	Title	Credits
Semester 1		
AUTO-102	Automotive Technology Fundamentals and Safety	2
AUTO-111	Manual Drive Trains and Axles	2
AUTO-118	Electrical Systems	3
AUTO-119L	Automotive Lab I	7
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	17-19
Semester 2		
AUTO-124	Brakes, Suspension and Steering	2
AUTO-127	Engine Repair	3
AUTO-129L	Automotive Lab II	7
ENGL-101	English Composition	3
	Credits	15
Semester 3		
AUTO-231	Engine Performance I	3
AUTO-233	Electrical Systems II and HVAC	2
AUTO-235L	Advanced Automotive Lab III	7
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	15
Semester 4		
AUTO-241	Automatic Transmissions/Transaxles	3

AUTO-243	Engine Performance II	2
AUTO-245L	Advanced Automotive Lab IV	7
COMM-101	Introduction to Speech Communication	3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	18
	Total Credits	65-67

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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.

AVIATION MAINTENANCE TECHNOLOGY (ATC)

Advanced Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program prepares students for entry-level employment in aerospace technology airframe maintenance mechanical fields. The curriculum fulfills the FAA requirements for lecture and lab hours needed prior to taking the FAA licensing exam. Students will receive the knowledge and skills necessary to work in various phases of aviation general and airframe industries. Students will receive hands on instruction from certified FAA Airframe and Power licensed instructors in lab setting approved by the FAA as a CFR part 147 school.

Gainful Employment Information (<https://www.nic.edu/programs/ge/100-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=100)

Program Requirements

Course	Title	Credits
Semester 1		
AERM-103	Weight and Balance	2
AERM-104	Shop Practices	3
AERM-106	Federal Aviation Regulations	2
AERO-101	Aviation Science	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
MCTE-103	Technical Mathematics for Aerospace Technology	
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	
MCTE-106	Technical Mathematics for Industrial Mechanic/Millwright; HVAC; Welding	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		13-15
Semester 2		
AERM-102	Basic Electricity	3
AERM-105	Ground Operations	3
AERM-201	Wood, Fabric, and Finishes	2
AERM-203	Aircraft Composites	2
AERM-204	Aircraft Welding	2
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		15
Semester 3		
AERM-202	Aircraft Sheet Metal	5
AERM-205	Assembly and Rigging	2
AERM-211	Landing Gear Systems	3
AERM-215	Airframe Electrical Systems	3
Credits		13
Semester 4		
AERM-206	Airframe Inspection	2
AERM-212	Hydraulics, Pneumatics and Fuel Systems	3
AERM-213	Airframe Auxiliary Systems	3

AERM-214	Instruments, Navigation and Communication Systems	2
A TEC-117	Occupational Relations and Job Search	2
Credits		12
Total Credits		53-55

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

Program Outcomes

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

- Understand and perform mathematic operations.
- Understand basic Aerodynamic and Aircraft Structures.
- Demonstrate application of physics as it pertains to aircraft.
- Demonstrate application of drafting and drawings as it pertains to aircraft maintenance and repair.
- Demonstrate the ability to analyze and troubleshoot an electrical circuit.
- Understand the importance of weight and balance for aircraft operation.
- Demonstrate the ability to compute the effect of equipment changes and loading schedules.
- Identify and use general mechanics tools.
- Describe and identify aircraft hardware and materials.
- Understand and describe basic heat treating processes.
- Understand and use various non-destructive testing (NDT) methods to inspect aircraft components.
- Perform inspections of welded assemblies and identify weld defects.
- Identify and describe aircraft fuels.
- Demonstrate the proper method of aircraft movement.
- Understand and use common inspection techniques to detect corrosion on aircraft structures.
- Understand and demonstrate the ability to read and interpret the manufacturers' maintenance data.
- Understand and demonstrate the ability to read and interpret airworthiness directives.
- Understand and demonstrate the ability to read and interpret FAA advisory material.
- Understand and explain mechanics' privileges and limitations per 14 CFR part 65.
- Understand and correctly complete maintenance forms and records to document work accomplished.
- Demonstrate inspection techniques to determine serviceability of structures and repairs.
- Demonstrate the ability to design and implement a repair scheme for a sheet metal structure.
- Use and understand methods of inspecting, checking, servicing, and repairing windows, doors, and interior furnishings.
- Demonstrate the ability to select, remove, and install special fasteners for metallic, bonded, and composite structures.

- Demonstrate the methods used to inspect and test composite assemblies and structures.
- Demonstrate the ability repair a composite assembly and structure.
- Personal Responsibility - demonstrate good work ethics, study habits, completion of all tasks in a timely manner.
- Human Relations - work safely and effectively in small groups on various projects.

AVIATION MAINTENANCE TECHNOLOGY (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program prepares students for entry-level employment in aerospace technology airframe maintenance mechanical fields. The curriculum fulfills the FAA requirements for lecture and lab hours needed prior to taking the FAA licensing exam. Students will receive the knowledge and skills necessary to work in various phases of aviation general and airframe industries. Students will receive hands on instruction from certified FAA Airframe and Power licensed instructors in lab setting approved by the FAA as a CFR part 147 school.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=100)

Program Requirements

Course	Title	Credits
Semester 1		
AERM-103	Weight and Balance	2
AERM-104	Shop Practices	3
AERM-106	Federal Aviation Regulations	2
AERO-101	Aviation Science	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	16-18
Semester 2		
AERM-102	Basic Electricity	3
AERM-105	Ground Operations	3
AERM-201	Wood, Fabric, and Finishes	2
AERM-203	Aircraft Composites	2
AERM-204	Aircraft Welding	2
ENGL-101	English Composition	3
	Credits	15
Semester 3		
AERM-202	Aircraft Sheet Metal	5
AERM-205	Assembly and Rigging	2
AERM-211	Landing Gear Systems	3
AERM-215	Airframe Electrical Systems	3
	Credits	13
Semester 4		
AERM-206	Airframe Inspection	2
AERM-212	Hydraulics, Pneumatics and Fuel Systems	3
AERM-213	Airframe Auxiliary Systems	3
AERM-214	Instruments, Navigation and Communication Systems	2
COMM-101	Introduction to Speech Communication	3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	16
	Total Credits	60-62

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

Program Outcomes

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

- Understand and perform mathematic operations.
- Understand basic Aerodynamic and Aircraft Structures.
- Demonstrate application of physics as it pertains to aircraft.
- Demonstrate application of drafting and drawings as it pertains to aircraft maintenance and repair.
- Demonstrate the ability to analyze and troubleshoot an electrical circuit.
- Understand the importance of weight and balance for aircraft operation.
- Demonstrate the ability to compute the effect of equipment changes and loading schedules.
- Identify and use general mechanics tools.
- Describe and identify aircraft hardware and materials.
- Understand and describe basic heat treating processes.
- Understand and use various non-destructive testing (NDT) methods to inspect aircraft components.
- Perform inspections of welded assemblies and identify weld defects.
- Identify and describe aircraft fuels.
- Demonstrate the proper method of aircraft movement.
- Understand and use common inspection techniques to detect corrosion on aircraft structures.
- Understand and demonstrate the ability to read and interpret the manufacturers' maintenance data.
- Understand and demonstrate the ability to read and interpret airworthiness directives.
- Understand and demonstrate the ability to read and interpret FAA advisory material.
- Understand and explain mechanics' privileges and limitations per 14 CFR part 65.
- Understand and correctly complete maintenance forms and records to document work accomplished.
- Demonstrate inspection techniques to determine serviceability of structures and repairs.
- Demonstrate the ability to design and implement a repair scheme for a sheet metal structure.
- Use and understand methods of inspecting, checking, servicing, and repairing windows, doors, and interior furnishings.
- Demonstrate the ability to select, remove, and install special fasteners for metallic, bonded, and composite structures.
- Demonstrate the ability repair a composite assembly and structure.
- Personal Responsibility - demonstrate good work ethics, study habits, completion of all tasks in a timely manner.

- Human Relations - work safely and effectively in small groups on various projects

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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=8)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BIOL-115	Introduction to Life Sciences  	4
BIOL-231	General Ecology	4
BTNY-203	General Botany   	4
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
PHYS-111	General Physics I   	4
ZOOL-202	General Zoology   	4
BACT-250	General Microbiology   ²	4
or BTNY-241	Systematic Botany  	
MATH-160	Survey of Calculus   	4
or MATH-170	Analytic Geometry and Calculus I   	
Total Credits		63-65

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

² Select course based on intended transfer institution.

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=105)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42) ¹		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ²		3
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
ACCT-201	Principles of Accounting	3
ACCT-202	Managerial Accounting	3
BUSA-101	Introduction to Business	3

ECON-201	Principles of Economics (Macro)  	3
or ECON-202	Principles of Economics (Micro)  	





Select one of the three following areas of emphasis:	15-18
Business Administration	
Business Teacher Education	
General Business	

Total Credits	60-67
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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

Code	Title	Credits
BUSA-251	Business Statistics	3
BUSA-265	Legal Environment of Business	3
ECON-201	Principles of Economics (Macro)  	3
or ECON-202	Principles of Economics (Micro)  	
Select one of the following:	3	
ENGL-202	Technical Writing	
ENGL-205	Interdisciplinary Writing	
ENGL-272	Business Writing	
Select one of the following:	3	
BUSA-100	Digital Literacy in Business	
BUSA-211	Principles of Management	
BUSA-221	Principles of Marketing	
Total Credits	15	

Business Teacher Education

Code	Title	Credits
BUSA-211	Principles of Management	3
BUSA-221	Principles of Marketing	3
BUSA-265	Legal Environment of Business	3
ECON-201	Principles of Economics (Macro)  	3
or ECON-202	Principles of Economics (Micro)  	
EDUC-201	Introduction to Teaching	3
ENGL-272	Business Writing	3
Total Credits	18	

General Business

Code	Title	Credits
Select five of the following:	15	
BUSA-100	Digital Literacy in Business	
BUSA-211	Principles of Management	
BUSA-221	Principles of Marketing	
BUSA-251	Business Statistics	
BUSA-265	Legal Environment of Business	
ECON-201	Principles of Economics (Macro)  	
or ECON-202	Principles of Economics (Micro)  	

ENGL-202 Technical Writing
 or ENGL-20 Interdisciplinary Writing
 or ENGL-27 Business Writing

Total Credits 15

Course Key



GEM



WCHE



AAS
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Gateway



Milestone

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

Code	Title	Credits
ENGL-101	English Composition  	3
ECON-201	Principles of Economics (Macro)    	3
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		3
General Business Core		9
BLDR-105	Customer Service	
BUSA-101	Introduction to Business	
BUSA-211	Principles of Management	
Entrepreneurship		12
BUSA-221	Principles of Marketing	
ENTP-105	Entrepreneurship Skills	
ENTP-125	Small Business Financial Management	
ENTP-135	Business Development and Planning	
Human Resource Management		12
BLDR-132	Employee Benefits Compensation	
BMGT-260	Human Resource Management	
BUSA-265	Legal Environment of Business	
HRA-210	Recruiting, Selection Retention	
Supervision		12
BLDR-110	Supervisory Management	
BLDR-122	Leadership	
BMGT-256	Problem Solving/Team Dynamics	

BUSA-234	Ethical Conduct in Business			
Total Credits	60-62			
Course Key				
				
GEM	WCHE	AAS	Gateway	Milestone
Institutionally Designated				

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

Code	Title	Credits
BUSA-221	Principles of Marketing	3
ENTP-105	Entrepreneurship Skills	3
ENTP-125	Small Business Financial Management	3
ENTP-135	Business Development and Planning	3
Total Credits		12

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

Code	Title	Credits
BLDR-105	Customer Service	3
BUSA-101	Introduction to Business	3
BUSA-211	Principles of Management	3
or BUSA-221	Principles of Marketing	
Total Credits		9

Course Key



GEM



WCHE


 AAS
 Institutionally
 Designated


Gateway



Milestone

- Explain why management controls are necessary and be able to discuss the basic requirements of the control process.
- Identify and explain the ethical components and philosophical approaches used in the business environment.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

Code	Title	Credits
BLDR-132	Employee Benefits Compensation	3
BMGT-260	Human Resource Management	3
BUSA-265	Legal Environment of Business	3
HRA-210	Recruiting, Selection Retention	3
Total Credits		12

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

Program Outcomes

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

- 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.

- 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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=106)

Program Requirements

Code	Title	Credits
BLDR-110	Supervisory Management	3
BLDR-122	Leadership	3
BMGT-256	Problem Solving/Team Dynamics	3
BUSA-234	Ethical Conduct in Business	3
Total Credits		12

Course Key



GEM



WCHE



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.
- Employ coaching techniques.
- Develop personal leadership statement.

- Understand and explain the basic functions, roles, duties and environments associated with team dynamics.
- Understand and explain the basic functions, roles, duties and environments associated with problem solving techniques, both formally and informally.

CARPENTRY AND CONSTRUCTION TECHNOLOGY (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This 10-month program is intended to provide the skills and training for entry into the field of construction as a carpenter. Various aspects of carpentry connected with many areas of construction will be taught. Site preparation, forming and placing concrete, trade math, framing, rafter and truss installation, stair layout, insulation, exterior finish, and interior finish are all areas which will be thoroughly covered in class and in the field. Students will use many hand, portable electric, and stationary power tools and must acquire good skills in the area, as well as understand all safety aspects of the tools used.

The Carpentry and Construction Technology program involves actual work situations emphasizing teamwork, work ethics, safety, and communication. 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 for admission into the second semester. Placement in specific English and math courses is determined by the college placement assessments.

Gainful Employment Information (<https://www.nic.edu/programs/ge/12-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=12)

Program Requirements

Course	Title	Credits
Summer 1		
CARP-141	Introduction to Carpentry and Construction	3
CARP-142	Safe and Savvy Tool Use	3
	Credits	6
Semester 1		
CARP-143	Blueprints for Carpenters	3
CARP-144	Construction Materials, Equipment and Methods I	3
CARP-145	All Things Concrete	2
CARP-146	Framing Applications	2
CARP-147	Construction Methods Lab I	5
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
	Credits	18-20
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
CARP-154	Building Science	3
CARP-155	Construction Materials, Equipment and Methods II	3
CARP-156	Exterior Finish Carpentry	2
CARP-157	Interior Finish Carpentry	2

CARP-158	Construction Methods Lab II	5
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		20
Total Credits		44-46

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

Program Outcomes

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

- Interpret the geometric/spatial concepts critical to carpentry and construction.
- Demonstrate the math skills required to work with carpentry related geometric/spatial representations of construction projects.
- Interpret blueprints, plans, drawings, sketches, models and other representations of construction projects.
- Demonstrate the ability to measure, figure, and use tapes and other measuring tools of the carpentry trade.
- Perform a variety of construction lay-out procedures common to the industry.
- Demonstrate the ability to safely modify building materials using standard hand tools of the trade.
- Demonstrate the ability to safely modify building materials using standard power tools of the trade.
- Demonstrate the importance of appropriate work habits and communication practices with a diverse work team and how it impacts the completion of a project.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=14)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
CHEM-253	Quantitative Analysis	5
CHEM-277	Organic Chemistry I	3
CHEM-278	Organic Chemistry I Lab	1
CHEM-287	Organic Chemistry II	3
CHEM-288	Organic Chemistry II Lab	1
MATH-170	Analytic Geometry and Calculus I   	4
MATH-175	Analytic Geometry and Calculus II	4
MATH-275	Analytic Geometry and Calculus III	4
PHYS-211	Engineering Physics I  	5
PHYS-212	Engineering Physics II	5
Total Credits		70-72

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

Course Key



GEM



WCHE

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Gateway



Milestone

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 an 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=15)

Program Requirements

Code	Title	Credits
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-254	Child Guidance Theory	3
CHD-298A	Child Development Practicum A	3
Select one of the following:		3
ENGL-101	English Composition  	
ENGL-101P	English Composition 	
Total Credits		21

Course Key



GEM



WCHE



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Gateway



Milestone

CHILD DEVELOPMENT (AS)

Associate of Science

Transfer Program

Interest Areas:

Soc. Sciences and Human Svcs.

The Child Development program provides two options for students wishing to pursue a career working with young children from birth to age eight. Students can complete courses for an associate's degree, which prepares for transfer to a four-year college or university and entry-level career opportunities. Students who do not intend to transfer may opt to pursue courses that prepare them to apply for a Child Development Associate Credential, a non-degree national credential.




The Child Development associate's 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's degree in Child Development are qualified to seek entry-level career opportunities in early care and education, preschool, Head Start, and teaching in private education programs serving children and families from birth to age eight, both typically and atypically developing.

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's 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 into the college.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=15)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ¹	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
CHD-134	Infancy Through Middle Childhood   	3
CHD-171	Early Childhood Curriculum	3
CHD-235	Observation Assess	3
CHD-243	Early Childhood Education	3

CHD-254	Child Guidance Theory	3
CHD-298A	Child Development Practicum A	3
CHD-298B	Child Development Practicum B	3
CHD-298C	Child Development Practicum C	3

Elective Requirements

Courses 100-level or higher	1-3
Total Credits	60-64

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

Course Key



GEM



WCHE



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Milestone

Program Outcomes

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

- Apply knowledge of typical and atypical 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 Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=15)

Program Requirements

Code	Title	Credits
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-165	CDA Professional Portfolio Development	1
Total Credits		10

Course Key



GEM



WCHE



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Gateway



Milestone

COLLISION REPAIR TECHNOLOGY (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This program is a 9-month program designed to prepare students for entry-level employment as a collision repair technician and/or painter. All phases of refinishing are covered including basecoat and clear coat applications. MIG welding, plastic and fiberglass repair, sheet metal repair and replacement, estimating, glass replacement, damage analysis including unibody and full frame alignment, electrical and mechanical diagnosing, and other related topics are covered.

A general education component of communication, occupational relations, and computational skills is also integrated into the program. Successful completion of the first semester or permission of the instructor is required to continue to the next semester. Strong basic math and good reading skills are recommended. Placement in specific math and English courses is determined by the college assessment test.

Gainful Employment Information (<https://www.nic.edu/programs/ge/16-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=16)

Program Requirements

Course	Title	Credits
Semester 1		
ACRR-161	Exterior and Interior Renovation	1
ACRR-162	Fundamentals of Collision Repair	4
ACRR-163	Damage Analysis and Small Dent Repair	2
ACRR-164	Introduction to Paint Refinishing	1
ACRR-165L	Collision Repair Lab I	6
ACRR-166L	Collision Repair Lab II	5
WELD-140	Auto Collision Repair Welding	2
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		24-26
Semester 2		
ACRR-171	Paint Refinishing Fundamentals	3
ACRR-172	Damage Analysis and Estimating	2
ACRR-173	Measurement and Structural Analysis	2
ACRR-174	Surface Prep and Adhesive Bonding	1
ACRR-175L	Collision Repair Lab III	5
ACRR-176L	Collision Repair Lab IV	5
ATEC-117	Occupational Relations and Job Search	2
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		23
Total Credits		47-49

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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 restraint 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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=17)

Program Requirements

Code	Title	Credits
Select four of the following:		12
COMM-101	Introduction to Speech Communication  	
COMM-103	Oral Interpretation	
COMM-111	Interview Techniques	
COMM-207	Dynamics of Social Media	
COMM-209	Argumentation	
COMM-212	Nonverbal Communication	
COMM-220	Intro to Intercultural Communication   	
COMM-233	Interpersonal Communication  	
COMM-236	Small Group Communication	
COMM-252	Introduction to Public Relations	
COMJ-140	Mass Media in a Free Society   	
Total Credits		12

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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Designated

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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=17)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42) ¹		3
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ²		0
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
COMJ-140	Mass Media in a Free Society   	3
COMM-209	Argumentation	3
COMM-220	Intro to Intercultural Communication   	3
COMM-233	Interpersonal Communication   	3
COMM-236	Small Group Communication	3
Select one of the following:		2-3
COMM-103	Oral Interpretation	
COMM-111	Interview Techniques	
COMM-207	Dynamics of Social Media	
COMM-212	Nonverbal Communication	
COMM-252	Introduction to Public Relations	
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

Code	Title	Credits
COMM-103	Oral Interpretation	3
COMM-111	Interview Techniques	2
COMM-207	Dynamics of Social Media	3
COMM-212	Nonverbal Communication	3
COMM-252	Introduction to Public Relations	3

Course Key



GEM



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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.

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 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, and a four-semester associate of applied science degree. Portions of the associate of applied science degree options may transfer to various four-year institutions. Students entering the A.A.S. degree program should be prepared to complete A.A.S. math and English requirements during the first year of the program. Placement in specific English and math courses is determined by the college placement assessments.

Current industry professionals may enroll in a single course on a space available basis and with instructor permission.

Gainful Employment Information (<https://www.nic.edu/programs/ge/18-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=18)

Program Requirements

Course	Title	Credits
Semester 1		
CADT-102A	Technical Sketching - Architectural Applications	2
CADT-104A	CAD Graphics I - Architectural Applications	2
CADT-106A	CAD Graphics II - Architectural Applications	2
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-165	Productivity Software for Technical Programs	1
CAOT-166	Living Online for Technical Program	1
A.A.S. Institutionally Designated (p. 50)		3
Select one of the following:		3-5
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
CADT-131	Residential Architecture I	4
CADT-133	Commercial Architecture I	2
CARP-154	Building Science	3

ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		14
Total Credits		29-31

Course Key



GEM



WCHE



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Gateway



Milestone

Program Outcomes

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

- Access, understand, and apply two-dimensional (2D) Computer-Aided Design (CAD) commands in a related pedagogical sequence(s), generating geometric constructs to illustrate command mastery.
- Use a computer to word process, create spreadsheets, and access the internet.
- Utilize mathematical skills to calculate, plan, and execute precision measuring techniques to validate design and manufacturing applications for parts and assemblies.
- Read, interpret and apply American National Standards Institute (ANSI) standards to produce detailed working drawings used in contemporary manufacturing.
- Demonstrate appropriate work relationships and habits, communication skills, and computational skills used in contemporary technical industries.

COMPUTER AIDED DESIGN TECHNOLOGY– ARCHITECTURAL DESIGN OPTION (ATC)

Advanced Technical Certificate

Career-Technical Program

Interest Areas:

**Arts, Comm. and Humanities
Manufacturing and Trades**

The Computer Aided Design 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, and a four-semester associate of applied science degree. Portions of the associate of applied science degree options may transfer to various four-year institutions. Students entering the A.A.S. degree program should be prepared to complete A.A.S. math and English requirements during the first year of the program. Placement in specific English and math courses is determined by the college placement assessments.

Current industry professionals may enroll in a single course on a space available basis and with instructor permission.

Gainful Employment Information (<https://www.nic.edu/programs/ge/18-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=18)

Program Requirements

Course	Title	Credits
Semester 1		
CADT-102A	Technical Sketching - Architectural Applications	2
CADT-104A	CAD Graphics I - Architectural Applications	2
CADT-106A	CAD Graphics II - Architectural Applications	2
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-165	Productivity Software for Technical Programs	1
CAOT-166	Living Online for Technical Program	1
Select one of the following:		3-5
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		12-14
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
CADT-131	Residential Architecture I	4
CADT-133	Commercial Architecture I	2
CARP-154	Building Science	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		14

Semester 3

CADT-201	Architectural Print Reading and Estimating	2
CADT-202	Residential Architecture II	4
CADT-203	Commercial Architecture II	3
PHIL-201	Logic and Critical Thinking	3
Credits		12

Semester 4

CADT-204	Residential Architecture III	4
CADT-205	Commercial Architecture III	3
CADT-207	Building Design Integration	2
A.A.S. Institutionally Designated (p. 50)		6
Credits		15
Total Credits		53-55

Course Key



GEM



WCHE



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Gateway



Milestone

Program Outcomes

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

- Recognize and explain the role of a CAD drafter and designer.
- Describe the different disciplines of CAD – architecture, mechanical and civil.
- Identify and apply the various sketching techniques used in architecture – still-life, multi-view, perspective.
- Produce hand- and computer-aided sketches of buildings and landscapes.
- Identify and use various CAD software programs used in industry to produce CAD drawings.
- Use a computer-aided sketching program to produce 3D building models.
- 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 welding 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.
- Identify and give examples of various methods of construction practices.
- Describe the role and purpose of standard building codes.
- Interpret residential and commercial blueprints by identifying the different types of drawings within a set of blue prints.
- 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.

COMPUTER AIDED DESIGN TECHNOLOGY– ARCHITECTURAL DESIGN OPTION (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Arts, Comm. and Humanities
Manufacturing and Trades

The Computer Aided Design 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, and a four-semester associate of applied science degree. Portions of the associate of applied science degree options may transfer to various four-year institutions. Students entering the A.A.S. degree program should be prepared to complete A.A.S. math and English requirements during the first year of the program. Placement in specific English and math courses is determined by the college placement assessments.

Current industry professionals may enroll in a single course on a space available basis and with instructor permission.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=18)

Program Requirements

Course	Title	Credits
Semester 1		
CADT-102A	Technical Sketching - Architectural Applications	2
CADT-104A	CAD Graphics I - Architectural Applications	2
CADT-106A	CAD Graphics II - Architectural Applications	2
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-165	Productivity Software for Technical Programs	1
CAOT-166	Living Online for Technical Program	1
ENGL-101	English Composition	3
	Credits	12
Semester 2		
CADT-131	Residential Architecture I	4
CADT-133	Commercial Architecture I	2
CARP-154	Building Science	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		4
	Credits	16-18
Semester 3		
CADT-201	Architectural Print Reading and Estimating	2
CADT-202	Residential Architecture II	4
CADT-203	Commercial Architecture II	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
GEM 4 - Scientific Ways of Knowing (p. 42)		4
	Credits	16

Semester 4

ATEC-117	Occupational Relations and Job Search	2
CADT-204	Residential Architecture III	4
CADT-205	Commercial Architecture III	3
CADT-207	Building Design Integration	2
COMM-101	Introduction to Speech Communication	3
PHIL-201	Logic and Critical Thinking	3
	Credits	17
	Total Credits	61-63

Course Key



GEM



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Milestone

Program Outcomes

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

- Recognize and explain the role of a Computer-Aided Design (CAD) drafter and designer.
- Describe the different disciplines of CAD - architecture, mechanical and civil.
- Identify and apply the various sketching techniques used in architecture - still life, multi-view, perspective.
- Produce hand- and computer-aided sketches of buildings and landscapes.
- Identify and use various CAD software programs used in industry to produce CAD drawings.
- Use a computer-aided sketching program to produce three-dimensional (3D) building models.
- 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 welding 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.
- Identify and give examples of various methods of construction practices.
- Describe the role and purpose of standard building codes.
- Interpret residential and commercial blueprints by identifying the different types of drawings within a set of blue prints.
- 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.

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.

COMPUTER AIDED DESIGN TECHNOLOGY–MECHANICAL DESIGN OPTION (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:

**Manufacturing and Trades
Science, Tech., Engr. and Math**

The Computer Aided Design 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, and a four-semester associate of applied science degree. Portions of the associate of applied science degree options may transfer to various four-year institutions. Students entering the A.A.S. degree program should be prepared to complete A.A.S. math and English requirements during the first year of the program. Placement in specific English and math courses is determined by the college placement assessments.

Current industry professionals may enroll in a single course on a space available basis and with instructor permission.

Gainful Employment Information (<https://www.nic.edu/programs/ge/104-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=104)

Program Requirements

Course	Title	Credits
Semester 1		
CADT-104M	CAD Graphics I - Mechanical Applications	2
CADT-106M	CAD Graphics II - Mechanical Applications	2
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-165	Productivity Software for Technical Programs	1
MACH-153	Precision Measuring	1
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Select one of the following:		3-5
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		13-15
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
CADT-105	Descriptive Geometry	3
CADT-109	Basic Mechanical Design	4
CAOT-166	Living Online for Technical Program	1
MACH-201	Design for Manufacturing	1
A.A.S. Institutionally Designated (p. 50)		3
Credits		14
Total Credits		27-29

Course Key



GEM



WCHE

AAS
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Designated

Gateway



Milestone

Program Outcomes

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

- Access, understand, and apply two-dimensional (2D) Computer-Aided Design (CAD) commands in a related pedagogical sequence(s), generating geometric constructs to illustrate command mastery.
- Use a computer to word process, create spreadsheets, and access the internet.
- Utilize mathematical skills to calculate, plan, and execute precision measuring techniques to validate design and manufacturing applications for parts and assemblies.
- Read, interpret and apply American National Standards Institute (ANSI) standards to produce detailed working drawings used in contemporary manufacturing.
- Demonstrate appropriate work relationships and habits, communication skills, and computational skills used in contemporary technical industries.

COMPUTER AIDED DESIGN TECHNOLOGY–MECHANICAL DESIGN OPTION (ATC)

Advanced Technical Certificate

Career-Technical Program

Interest Areas:

**Manufacturing and Trades
Science, Tech., Engr. and Math**

The Computer Aided Design 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, and a four-semester associate of applied science degree. Portions of the associate of applied science degree options may transfer to various four-year institutions. Students entering the A.A.S. degree program should be prepared to complete A.A.S. math and English requirements during the first year of the program. Placement in specific English and math courses is determined by the college placement assessments.

Current industry professionals may enroll in a single course on a space available basis and with instructor permission.

Gainful Employment Information (<https://www.nic.edu/programs/ge/104-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=104)

Program Requirements

Course	Title	Credits
Semester 1		
CADT-104M	CAD Graphics I - Mechanical Applications	2
CADT-106M	CAD Graphics II - Mechanical Applications	2
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-165	Productivity Software for Technical Programs	1
MACH-153	Precision Measuring	1
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Select one of the following:		3-5
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		13-15
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
CADT-105	Descriptive Geometry	3
CADT-109	Basic Mechanical Design	4
CAOT-166	Living Online for Technical Program	1
MACH-201	Design for Manufacturing	1
Credits		11
Semester 3		
CADT-250	SolidWorks I	2
CADT-252	SolidWorks II	2

CADT-253	Industrial Processes	3
CADT-255	Geometric Dimension and Tolerancing	3
MACH-231	Computers in Machining	3
A.A.S. Institutionally Designated (p. 50)		2
Credits		15
Semester 4		
CADT-254	Power Transmission	3
CADT-257	Advanced Mechanical Design	4
CADT-261	Statics and Strengths of Materials	3
A.A.S. Institutionally Designated (p. 50)		3
Credits		13
Total Credits		52-54

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- Access, understand, and apply two-dimensional (2D) Computer-Aided Design (CAD) commands in a related pedagogical sequence(s), generating geometric constructs to illustrate command mastery.
- Use a computer to word process, create spreadsheets, and access the internet.
- Utilize mathematical skills to calculate, plan, and execute precision measuring techniques to validate design and manufacturing applications for parts and assemblies.
- Read, interpret and apply American National Standards Institute (ANSI) standards to produce detailed working drawings used in contemporary manufacturing.
- Demonstrate appropriate work relationships and habits, communication skills, and computational skills used in contemporary technical industries.
- Access, understand, and apply three-dimensional (3D) Computer-Aided Design (CAD) technology applications to design and create parametric feature-based geometry methodology of parts, assemblies, and drawings.
- Analyze and test form, fit, and functional requirements of parametric feature-based geometry models.
- Evaluate and validate part creation and functionality by utilizing CAD/CAM software and additive manufacturing (3D Printing) technology.
- Interpret, calculate and apply geometric and tolerancing methods following ASME Y14.5 standards to control form, fit, and functional requirements.
- Use mathematical skills to calculate and predict statics and strength of materials and/or kinematics to support roll-form processes.
- Understand and apply basic to intermediate design principles for mechanical design technology and manufacturing processes in line with contemporary industry.
- Determine and use product cycle methodology incorporating accumulated curriculum skill sets to plan, design, construct, and illustrate final mechanical design projects.

COMPUTER AIDED DESIGN TECHNOLOGY–MECHANICAL DESIGN OPTION (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

**Manufacturing and Trades
Science, Tech., Engr. and Math**

The Computer Aided Design 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, and a four-semester associate of applied science degree. Portions of the associate of applied science degree options may transfer to various four-year institutions. Students entering the A.A.S. degree program should be prepared to complete A.A.S. math and English requirements during the first year of the program. Placement in specific English and math courses is determined by the college placement assessments.

Current industry professionals may enroll in a single course on a space available basis and with instructor permission.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=1)

Program Requirements

Course	Title	Credits
Semester 1		
CADT-104M	CAD Graphics I - Mechanical Applications	2
CADT-106M	CAD Graphics II - Mechanical Applications	2
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-165	Productivity Software for Technical Programs	1
COMM-101	Introduction to Speech Communication	3
ENGL-101	English Composition	3
MACH-153	Precision Measuring	1
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	3
	Credits	16
Semester 2		
A TEC-117	Occupational Relations and Job Search	2
CADT-105	Descriptive Geometry	3
CADT-109	Basic Mechanical Design	4
CAOT-166	Living Online for Technical Program	1
MACH-201	Design for Manufacturing	1
MATH-143	College Algebra (or higher)	3
	Credits	14
Semester 3		
CADT-250	SolidWorks I	2
CADT-252	SolidWorks II	2
CADT-253	Industrial Processes	3
CADT-255	Geometric Dimension and Tolerancing	3
ENGL-202	Technical Writing	3

MACH-231	Computers in Machining	3
	Credits	16
Semester 4		
CADT-254	Power Transmission	3
CADT-257	Advanced Mechanical Design	4
CADT-261	Statics and Strengths of Materials	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	16
	Total Credits	62

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

Program Outcomes

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

- Access, understand, and apply two-dimensional (2D) Computer-Aided Design (CAD) commands in a related pedagogical sequence(s), generating geometric constructs to illustrate command mastery.
- Use a computer to word process, create spreadsheets, and access the internet.
- Utilize mathematical skills to calculate, plan, and execute precision measuring techniques to validate design and manufacturing applications for parts and assemblies.
- Read, interpret and apply American National Standards Institute (ANSI) standards to produce detailed working drawings used in contemporary manufacturing.
- Demonstrate appropriate work relationships and habits, communication skills, and computational skills used in contemporary technical industries.
- Access, understand, and apply three-dimensional (3D) Computer-Aided Design (CAD) technology applications to design and create parametric feature-based geometry methodology of parts, assemblies, and drawings.
- Analyze and test form, fit, and functional requirements of parametric feature-based geometry models.
- Evaluate and validate part creation and functionality by utilizing CAD/CAM software and additive manufacturing (3D Printing) technology.
- Interpret, calculate and apply geometric and tolerancing methods following ASME Y14.5 standards to control form, fit, and functional requirements.
- Use mathematical skills to calculate and predict statics and strength of materials and/or kinematics to support roll-form processes.
- Understand and apply basic to intermediate design principles for mechanical design technology and manufacturing processes in line with contemporary industry.
- Determine and use product cycle methodology incorporating accumulated curriculum skill sets to plan, design, construct, and illustrate final mechanical design projects.

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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=19)

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-250	Office Skills Capstone	1
Select seven credits from the following:		7
CAOT-115	Outlook	
CAOT-120	Word Processing/Word I	
CAOT-121	Word Processing/Word II	
CAOT-122	Word Processing/Word III	
CAOT-130	Spreadsheets/Excel I	
CAOT-131	Spreadsheets/Excel II	
CAOT-132	Spreadsheets/Excel III	
CAOT-140	Database/Access I	
CAOT-150	PowerPoint	
CAOT-164	Computer Fundamentals for Technical Programs	
CAOT-166	Living Online for Technical Program	
Credits		8
Total Credits		8

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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 usefulness in given business scenarios.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/20-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=20)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-116	Desktop Operating System Support	3

CITE-118	Computer Information Technology Essentials	2
CITE-119	Computer Information Technology Essentials Projects	2
CITE-127	Desktop Commodity Operating System Support Projects	2
ENGL-101	English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17

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	Introduction to Speech Communication	3
Credits		15
Total Credits		30-32

Course Key



GEM



WCHE

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 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.

COMPUTER INFORMATION TECHNOLOGY (ATC)

Advanced 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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/20-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=20)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-116	Desktop Operating System Support	3

CITE-118	Computer Information Technology Essentials	2
CITE-119	Computer Information Technology Essentials Projects	2
CITE-127	Desktop Commodity Operating System Support Projects	2
ENGL-101	English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17
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	Introduction to Speech Communication	3
Credits		15
Semester 3		
CITE-206	Systems Administration II	3
CITE-207	Systems Administration II Projects	3
CITE-213	Network Support II	3
CITE-215	Network Support II Projects	3
Credits		12
Semester 4		
CITE-208	Systems Administration III	3
CITE-209	Systems Administration III Projects	3
CITE-217	Network Support III	3
CITE-219	Network Support III Projects	3
CITE-295 or ATEC-117	Computer Information Technology Internship or Occupational Relations and Job Search	2-4
Credits		14-16
Total Credits		56-60

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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 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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=20)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-116	Desktop Operating System Support	3
CITE-118	Computer Information Technology Essentials	2
CITE-119	Computer Information Technology Essentials Projects	2

CITE-127	Desktop Commodity Operating System Support Projects	2
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
ENGL-101	English Composition	3
Credits		15-17

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	Introduction to Speech Communication	3
Credits		15

Semester 3

CITE-206	Systems Administration II	3
CITE-207	Systems Administration II Projects	3
CITE-213	Network Support II	3
CITE-215	Network Support II Projects	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
Credits		15

Semester 4

CITE-208	Systems Administration III	3
CITE-209	Systems Administration III Projects	3
CITE-217	Network Support III	3
CITE-219	Network Support III Projects	3
CITE-295 or ATEC-117	Computer Information Technology Internship or Occupational Relations and Job Search	2-4
A.A.S. Institutionally Designated (p. 50)		3
Credits		17-19
Total Credits		62-66

Course Key



GEM



WCHE

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 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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=21)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42) ¹		0
GEM 4 - Scientific Ways of Knowing (p. 42) ²		4
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		6
GEM 7 - Institutionally Designated (p. 43)		4-6
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	Analytic Geometry and Calculus I   	4
MATH-175	Analytic Geometry and Calculus II	4
MATH-187	Discrete Mathematics	4
Select one of the following:		4-5
BIOL-115	Introduction to Life Sciences  	
ZOOL-202	General Zoology  	
CHEM-111	Principles of General College 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



WCHE



AAS
Institutionally
Designated



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

Successful completion of the first-year certificate program or permission of the instructor is required in order to enroll in the Construction Management Technology program.

This program leads to an A.A.S. degree in Construction Management Technology and is intended to advance the skills learned in the one-year certificate program. Successful students will demonstrate advanced materials and cost estimation, blueprint reading, job scheduling, and will receive a more in-depth view of what the construction industry requires of those who are in supervisory positions or intend to operate their own contracting business.

The Carpentry program's second year creates "real world" construction management experience through student participation in the construction of the North Idaho College Foundation Really Big Raffle house project as well as planning and management of other construction projects that are part of the program's laboratory curriculum each year. Second-year students are challenged at a higher level as they meet with subcontractors and obtain materials and special supplies throughout work on the project house. Interpersonal and supervisory skills are honed as students act as on-site foremen for groups of first-year students.

Advanced specialty carpentry skills are emphasized during the second year which allow students to improve their own technical skills. All students are required to take courses in computer aided design, communication, business, and computer applications. Cabinet making, commercial construction, architecture, welding, and masonry may also be addressed according to students' individual preferences.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=13)

Program Requirements

Course	Title	Credits
Semester 1		
Summer		
CARP-141	Introduction to Carpentry and Construction	3
CARP-142	Safe and Savvy Tool Use	3
	Credits	6
Semester 2		
CARP-143	Blueprints for Carpenters	3
CARP-144	Construction Materials, Equipment and Methods I	3
CARP-145	All Things Concrete	2
CARP-146	Framing Applications	2
CARP-147	Construction Methods Lab I	5

ENGL-101	English Composition	3
	Credits	18
Semester 3		
CARP-154	Building Science	3
CARP-155	Construction Materials, Equipment and Methods II	3
CARP-156	Exterior Finish Carpentry	2
CARP-157	Interior Finish Carpentry	2
CARP-158	Construction Methods Lab II	5
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	18-20
Semester 4		
CADT-201	Architectural Print Reading and Estimating	2
CARP-251	Carpentry Management I	4
A.A.S. Institutionally Designated (p. 50)		3
	Credits	9
Semester 5		
CARP-252	Carpentry Management II	4
COMM-101	Introduction to Speech Communication	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
Select one of the following:		3
BLDR-122	Leadership	
BLDR-222	Project Management	
BUSA-211	Principles of Management	
CAOT-164 & CAOT-165 & CAOT-166	Computer Fundamentals for Technical Programs and Productivity Software for Technical Programs and Living Online for Technical Program	
	Credits	13
	Total Credits	64-66

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

Program Outcomes

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

- Interpret the geometric/spatial concepts critical to carpentry and construction.
- Demonstrate the math skills required to work with carpentry related geometric/spatial representations of construction projects.
- Interpret blueprints, plans, drawings, sketches, models and other representations of construction projects.
- Demonstrate the ability to measure, figure, and use tapes and other measuring tools of the carpentry trade.
- Perform a variety of construction lay-out procedures common to the industry.
- Demonstrate the ability to safely modify building materials using standard power tools of the trade.
- Demonstrate the importance of appropriate work habits and communication practices with a diverse work team and how it impacts the completion of a project.
- Prepare cost and materials estimates by performing "take-offs" from a variety of plans, drawings, and blueprints.
- Apply 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.

- Apply advanced blueprint reading skills (especially interpreting architectural notations and filling in "architectural blanks") to a residential building site.
- Model teamwork and understand how it impacts the completion of construction projects.

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 Svcs.

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.







Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=22)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ¹	0
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
CJ-103	Introduction to Criminal Justice  	3
CJ-202	Corrections in America	3
CJ-205	Criminal Procedures	3
CJ-245	Introduction to Criminology	3
POLS-101	American National Government   	3
SOC-101	Introduction to Sociology   	3
	or SOC-102 Social Problems  	
Elective Requirements		
	Courses 100-level or higher	10-12
	Total Credits	60-62

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

Recommended Elective Courses

Code	Title	Credits
PSYC-101	Introduction to Psychology   	3
PSYC-205	Developmental Psychology	3
PSYC-211	Abnormal Psychology	3
SOC-220	Marriage and Family   	3
SOC-251	Race and Ethnic Relations	3
POLS-275	State and Local Government	3

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



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 (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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/23-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=23)

Program Requirements

Course	Title	Credits
Semester 1		
CULA-111	Food Safety and Sanitation	3
CULA-120	Professional Kitchen I	2
CULA-120L	Professional Kitchen Lab I	4
CULA-123	Food Science	2
CULA-165	Introduction to Customer Service	3
CULA-165L	Introduction to Customer Service Lab	0
Select one of the following:		3-5
BLDR-120	Financial Business Applications	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		17-19
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 or HOSP-117	Introduction to Speech Communication or Careers in Hospitality	3

ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		19
Total Credits		36-38

Course Key



GEM



WCHE

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 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.

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, 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.

Final regulations published in the Federal Register on October 29, 2010, require institutions to report certain information about students who enrolled in Title IV (<https://www.nic.edu/programs/ge/TitleIV.aspx>) eligible educational programs that lead to gainful employment in a recognized occupation (GE programs). Those regulations also provide that institutions must disclose to prospective students certain information about the institution's GE Programs.

For programs that fall under these regulations, NIC provides information on cost, financing, and completion.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=23)

Program Requirements

Course	Title	Credits
Semester 1		
CULA-111	Food Safety and Sanitation	3
CULA-120	Professional Kitchen I	2
CULA-120L	Professional Kitchen Lab I	4
CULA-123	Food Science	2
CULA-165	Introduction to Customer Service	3
CULA-165L	Introduction to Customer Service Lab	0
Select one of the following:		3-5
BLDR-120	Financial Business Applications	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		17-19

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 or HOSP-117	Introduction to Speech Communication or Careers in Hospitality	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		19

Semester 3

CULA-222	Professional Kitchen III	2
CULA-222L	Professional Kitchen Lab III	3
CULA-265	Restaurant Supervision	2
CULA-267	Purchasing/Cost Controls	3
Credits		10

Semester 4

CULA-176	Culinary Arts Internship	2
CULA-223	Professional Kitchen 4	2
CULA-223L	Professional Kitchen Lab 4	3
CULA-266	Restaurant Entrepreneurship	3
Credits		10
Total Credits		56-58

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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 (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, 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=23)

Program Requirements

Course	Title	Credits
Semester 1		
CULA-111	Food Safety and Sanitation	3
CULA-120	Professional Kitchen I	2
CULA-120L	Professional Kitchen Lab I	4
CULA-123	Food Science	2
CULA-165	Introduction to Customer Service	3
CULA-165L	Introduction to Customer Service Lab	0
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	17-19
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	Introduction to Speech Communication	3
ENGL-101	English Composition	3
	Credits	19
Semester 3		
CULA-211	Culinary Nutrition	2
CULA-222	Professional Kitchen III	2
CULA-222L	Professional Kitchen Lab III	3
CULA-265	Restaurant Supervision	2

CULA-267	Purchasing/Cost Controls	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	15
Semester 4		
CULA-176	Culinary Arts Internship	2
CULA-223	Professional Kitchen 4	2
CULA-223L	Professional Kitchen Lab 4	3
CULA-266	Restaurant Entrepreneurship	3
CULA-268	Introduction to Wine, Beer and Spirits	2
A.A.S. Institutionally Designated (p. 50)		3
	Credits	15
	Total Credits	66-68

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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.

CYBERSECURITY AND NETWORKING (BTC)

Basic 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-118	Computer Information Technology Essentials	2
CITE-121	Network Support I	3
CITE-122	Network Support I Projects	3
CITE-124	TCP/IP Fundamentals	2
Credits		10
Semester 2		
CITE-142	Information Security Fundamentals	3
CITE-213	Network Support II	3
CITE-215	Network Support II Projects	3
Credits		9
Total Credits		19

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- 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.

- 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 recover, and business continuity.
- Demonstrate appropriate and ethical behavior and good work habits.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/24-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=24)

Program Requirements

Course	Title	Credits
Semester 1		
DSLTL-104	Safety and Introduction to Shop Practices	2
DSLTL-123L	Diesel Engines/Electrical Systems Lab	6
DSLTL-125	Diesel Engines	2
DSLTL-126	Electrical Systems	3
DSLTL-133	Introduction to Electrical	1
MCTE-104	Technical Mathematics for Automotive Technology and Diesel	3
	Credits	17
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
DSLTL-124	Powertrain/Brake Systems	5
DSLTL-124L	Powertrain/Brake Systems Lab	6
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
	Credits	16
Summer 1		
DSLTL-117L	Diesel Lab	2
DSLTL-137	Suspension/Steering and A/C	2
	Credits	4
	Total Credits	37

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/24-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=24)

Program Requirements

Course	Title	Credits
Semester 1		
DSLTL-104	Safety and Introduction to Shop Practices	2
DSLTL-123L	Diesel Engines/Electrical Systems Lab	6
DSLTL-125	Diesel Engines	2
DSLTL-126	Electrical Systems	3
DSLTL-133	Introduction to Electrical	1
MCTE-104	Technical Mathematics for Automotive Technology and Diesel	3
Credits		17
Semester 2		
DSLTL-124	Powertrain/Brake Systems	5
DSLTL-124L	Powertrain/Brake Systems Lab	6
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		14
Summer 1		
DSLTL-117L	Diesel Lab	2
DSLTL-137	Suspension/Steering and A/C	2
Credits		4
Semester 3		
ATEC-117	Occupational Relations and Job Search	2
DSLTL-223	Advanced Tune-Up/Computerized Engines	4
DSLTL-223L	Advanced Tune-Up/Computerized Engines Lab	6
Credits		12

Semester 4

DSLTL-203	Basic Hydraulic Systems	2
DSLTL-224	Undercarriage/Powershift Transmissions And Hydraulics	4
DSLTL-224L	Undercarriage/Powershift Transmissions And Hydraulics Lab	6
Credits		12
Total Credits		59

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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 (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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=24)

Program Requirements

Course	Title	Credits
Semester 1		
DSL1-104	Safety and Introduction to Shop Practices	2
DSL1-123L	Diesel Engines/Electrical Systems Lab	6
DSL1-125	Diesel Engines	2
DSL1-126	Electrical Systems	3
DSL1-133	Introduction to Electrical	1
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	17-19
Semester 2		
DSL1-124	Powertrain/Brake Systems	5
DSL1-124L	Powertrain/Brake Systems Lab	6
ENGL-101	English Composition	3
	Credits	14
Summer 1		
DSL1-117L	Diesel Lab	2
DSL1-137	Suspension/Steering and A/C	2
	Credits	4
Semester 3		
COMM-101	Introduction to Speech Communication	3
DSL1-223	Advanced Tune-Up/Computerized Engines	4
DSL1-223L	Advanced Tune-Up/Computerized Engines Lab	6
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	16
Semester 4		
DSL1-203	Basic Hydraulic Systems	2
DSL1-224	Undercarriage/Powershift Transmissions And Hydraulics	4

DSL1-224L	Undercarriage/Powershift Transmissions And Hydraulics Lab	6
A.A.S. Institutionally Designated (p. 50)		3
Credits		15
Total Credits		66-68

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

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.

EDUCATION – ELEMENTARY OR MIDDLE SCHOOL TEACHER EDUCATION (AA)

Associate of Arts

Transfer Program





















Interest Areas:



















Soc. Sciences and Human Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=25)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ²	3
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ¹	0
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
EDUC-201	Introduction to Teaching	3
ENGL-175	Introduction to Literature   	3
MATH-143	College Algebra    (or higher)	3
MATH-157	Mathematics for Elementary School Teachers I	3
MATH-257	Mathematics for Elementary School Teachers II	3
PSYC-101	Introduction to Psychology   	3
PSYC-205	Developmental Psychology	3
HIST-111	U.S. History to 1876   	3
	or HIST-112 U.S. History After 1876   	
Select two of the following:		6
ANTH-220	Peoples of the World  	
ART-100	Survey of Art   	
ENGL-202	Technical Writing	
ENGL-205	Interdisciplinary Writing	

ENGL-272	Business Writing
ENGL-291	Creative Writing: Poetry
ENGL-292	Creative Writing: Fiction
HIST-101	History of Civilization to 1500   
HIST-102	History of Civilization Since 1500   
HUMS-101	Montage: Introduction to the Humanities   
MUSH-101	Survey of Music   
POLS-101	American National Government   
THEA-101	Introduction to the Theatre   

Electives Requirements

Courses 100-level or higher	6
Total Credits	60-62

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

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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 Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=25)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42) ¹		0
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ²		3
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
EDUC-201	Introduction to Teaching	3
MATH-143	College Algebra   	3
PSYC-101	Introduction to Psychology   	3
Electives Requirements		
Courses 100-level or higher		21
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



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.



Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=27)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ²	3
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ²	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
CHEM-111	Principles of General College Chemistry I  	5
ENGR-123	Introduction to Engineering	2
ENGR-210	Statics	3
MATH-170	Analytic Geometry and Calculus I  	4
MATH-175	Analytic Geometry and Calculus II	4
MATH-370	Introductions to Ordinary Differential Equations	3
PHIL-103	Ethics  	3
PHYS-211	Engineering Physics I 	5
ECON-201	Principles of Economics (Macro)  	3
	or ECON-202 Principles of Economics (Micro)  	

Program Elective Requirements

Select a minimum of 13 credits from the following:³ 13-18

CHEM-112	Principles of General College Chemistry II  
CHEM-277	Organic Chemistry I
CHEM-278	Organic Chemistry I Lab
CHEM-287	Organic Chemistry II
CHEM-288	Organic Chemistry II Lab
CS-150	Computer Science I
CS-240	Digital Logic
ENGL-202	Technical Writing
ENGR-105	Engineering Graphics
ENGR-214	Surveying
ENGR-220	Dynamics of Rigid Bodies
ENGR-223	Engineering Analysis
ENGR-240	Circuits I
ENGR-241	Circuits II
ENGR-295	Strength of Materials
MATH-275	Analytic Geometry and Calculus III
MATH-335	Linear Algebra
PHYS-212	Engineering Physics II

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.

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

ENGLISH (AA)

Associate of Arts

Transfer Program

Interest Areas:







Arts, Comm. and Humanities











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 Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=28)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ¹	0
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
ENGL-195	Introduction to English Studies	3
ENGL-210	Literary Analysis	3
ENGL-271	Introduction to Shakespeare  	3
or ENGL-296 Major Figures		
Select 12-15 credits of the following: ²		12-15
ENGL-202	Technical Writing	
ENGL-205	Interdisciplinary Writing	
ENGL-207	Trestle Creek Review	
ENGL-216	Mythology	
ENGL-257	Literature of Western Civilization  	
ENGL-258	Literature of Western Civilization  	

ENGL-267	Survey of English Literature  
ENGL-268	Survey of English Literature  
ENGL-271	Introduction to Shakespeare  
ENGL-272	Business Writing
ENGL-277	Survey of American Literature  
ENGL-278	Survey of American Literature  
ENGL-285	American Indian Literature  
ENGL-291	Creative Writing: Poetry
ENGL-292	Creative Writing: Fiction
ENGL-293	Creative Writing: Literary Nonfiction
ENGL-295	Contemporary US Multicultural Literature
ENGL-296	Major Figures

Modern Language Requirement ³






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

				
GEM	WCHE	AAS	Gateway	Milestone
		Institutionally Designated		

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 the literary, creative writing, and/or professional writing.
- Analyze, evaluate, and interpret tests, 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 at North Idaho College prepares students to obtain employment by launching a business venture or to work in a variety of industries. Students will be able to enroll in as many classes as their schedule can support, allowing for the entire certificate program to be completed in one semester or over the course of several semesters. The program is a 15 credit hour certificate program. The Entrepreneurship courses will include a hybrid online component with students attending classes on campus and online. The program uses an interdisciplinary instructional approach, including topics from many departments across campus.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=86)

Program Requirements

Code	Title	Credits
BUSA-221	Principles of Marketing	3
ENTP-105	Entrepreneurship Skills	3
ENTP-125	Small Business Financial Management	3
ENTP-135	Business Development and Planning	3
Select one of the following:		3
ACCT-113	Payroll Accounting	
BLDR-222	Project Management	
BMGT-256	Problem Solving/Team Dynamics	
BUSA-211	Principles of Management	
BUSA-234	Ethical Conduct in Business	
BUSA-265	Legal Environment of Business	
ENGL-272	Business Writing	
HRA-210	Recruiting, Selection Retention	
Total Credits		15

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

- Identifying 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.

Program Outcomes

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

- Identify key business skills and knowledge needed to be successful when opening/operating a small business.

ENVIRONMENTAL SCIENCE (AS)

Associate of Science

Transfer Program

Interest Areas:


























Science, Tech., Engr. and Math

Environmental science is the study of human impact on the environment. Our quality of life will depend on our understanding of complex environmental issues. Students enrolled in this program will receive a diverse background in the sciences, including biology, chemistry, and geology.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=29)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BIOL-115	Introduction to Life Sciences  	4
BIOL-231	General Ecology	4
BTNY-203	General Botany   	4
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
ENSI-119	Introduction to Environmental Science   	4
GEOL-101	Physical Geology  	4
ZOOL-202	General Zoology   	4
MATH-160	Survey of Calculus   	4
	or MATH-170 Analytic Geometry and Calculus I   	4
Total Credits		63-65

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

Course Key



GEM



WCHE



AAS

Institutionally
Designated



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, toxicology, climate impacts and sustainable development.
- 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 SERVICE TECHNOLOGY (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:





Healthcare

Soc. Sciences and Human Svcs.

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 Professional Technical Education, Emergency Services Training program, and are offered through fire departments under the coordination of NIC's Workforce Development department. 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=30)

Program Requirements

Code	Title	Credits
General Education Requirements		
ENGL-101	English Composition  	3
COMM-101	Introduction to Speech Communication  	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
A.A.S. Institutionally Designated (p. 50)		3
Additional Courses		
FST-100	Fire Service Technology	48

This course is used to transcript the following courses:

Rapid Intervention Team Training Firefighter Safety and Survival

Fire Fighter I

Fire Fighter II

Technical Rescue - Operations Elective

Flashover Survival Training

Hazardous Materials Awareness

Hazardous Materials Operation

Wildland Basic Firefighter II

Wildland/Urban Interface

Emergency Medical Technician Basic

Arson Detection for First Responders

Building Construction Combustible

Building Construction Non-Combustible

Incident Command System

Silent Wars: Air and Blood Borne Pathogens

Driver Operator/Pump Operations

Fire Officer I

Instructor I

Total Credits

63-65

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=31)

Program Requirements












Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ²	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BIOL-101	Forestry Orientation	1
BIOL-115	Introduction to Life Sciences 	4
BIOL-221	Forest Ecology	4
CHEM-101	Introduction to Essentials of General Chemistry I  	4
ECON-202	Principles of Economics (Micro)  	3
MATH-253	Principles of Applied Statistics  	3
MATH-160	Survey of Calculus  	4
	or MATH-170 Analytic Geometry and Calculus I  	
Electives Courses		
	Courses 100-level or higher ³	18
Total Credits		63-65

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.

Recommended Elective Credits

Code	Title	Credits
BACT-250	General Microbiology 	4
BIOL-251	Principles of Range Resources Management	2
BIOL-290	Principles of Wildlife Biology	2
BTNY-203	General Botany  	4
BTNY-241	Systematic Botany 	4
CHEM-275	Carbon Compounds	3
GEOL-101	Physical Geology 	4
PHYS-101	Fundamentals of Physical Science  	4
	or PHYS-111 General Physics I  	
ZOOL-202	General Zoology  	4

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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 Svcs.**

This program is suggested for students wishing to pursue a general studies option. 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 a General Studies Program. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=32)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Electives Requirements		
Courses 100-level or higher		22-24
Total Credits		60-64

Course Key



GEM



WCHE


 AAS
 Institutionally
 Designated


Gateway



Milestone

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. The required coursework normally fulfills the first half of baccalaureate degree requirements in Geology. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=33)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II  	5
GEOL-101	Physical Geology  	4
GEOL-102	Historical Geology  	4
GEOL-255	Systematic Mineralogy	4
MATH-170	Analytic Geometry and Calculus I   	4
MATH-175	Analytic Geometry and Calculus II	4
PHYS-111	General Physics I   	4
PHYS-112	General Physics II	4
Total Credits		63-65

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

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

GRAPHIC DESIGN (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:

Arts, Comm. and Humanities

Business Admin. and Management

The Graphic Design program is designed to prepare students for entry-level positions in the graphic design market. The program emphasizes the basic skills, knowledge, and abilities typically encountered in the graphic design professions. Instruction includes theories and methodologies used to implement creative, technical, and esthetic solutions into print advertising, packaging, web, digital video and new media applications.

Successful completion of each semester, or permission of the instructor, is required to continue into the next semester. This is a limited enrollment Career-Technical program.

Contact the Career-Technical programs advisor for information and admissions criteria.

Current industry professionals may enroll in individual courses on a space-available basis with the permission of the instructor and Dean of Career-Technical and Workforce Education.

Gainful Employment Information (<https://www.nic.edu/programs/ge/34-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=34)

Program Requirements

Course	Title	Credits
Semester 1		
GDES-102	Survey of Graphic Design	3
GDES-130	Introduction to Apple Operating System (Mac OS)	1
GDES-131	Adobe Illustrator - Vector Graphics	3
GDES-141	Web Development Basics	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		16-18
Semester 2		
GDES-120	Typography	2
GDES-132	Adobe Photoshop - Raster Graphics	3
GDES-221	Graphic Design I	3
GDES-255	Design Concepts for the Web	3
COMM-101	Introduction to Speech Communication	3
Credits		14
Total Credits		30-32

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

Program Outcomes

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

- Apply the principles of visual organization, composition, information hierarchy, symbolic representation, typography, and aesthetics to communication problems in order to create, develop and construct meaningful images.
- Use, integrate and gain fluency in the current technologies, methodologies and creative processes to develop an individual design style.
- Apply methods, technologies and creative processes to conceive, design, produce, and create visual form to successfully communicate ideas, opinions, and concepts.
- Integrate the relevance of design history, theory, and criticism from a variety of perspectives, including those of graphic design history, semantics, communication, technology, and the social and cultural use of their designs into society.

GRAPHIC DESIGN (ATC)

Advanced Technical Certificate

Career-Technical Program

Interest Areas:

Arts, Comm. and Humanities

Business Admin. and Management

The Graphic Design program is designed to prepare students for entry-level positions in the graphic design market. The program emphasizes the basic skills, knowledge, and abilities typically encountered in the graphic design professions. Instruction includes theories and methodologies used to implement creative, technical, and esthetic solutions into print advertising, packaging, web, digital video and new media applications.

Successful completion of each semester, or permission of the instructor, is required to continue into the next semester. This is a limited enrollment Career-Technical program.

Contact the Career-Technical programs advisor for information and admissions criteria.

Current industry professionals may enroll in individual courses on a space-available basis with the permission of the instructor and Dean of Career-Technical and Workforce Education.

Gainful Employment Information (<https://www.nic.edu/programs/ge/34-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=34)

Program Requirements

Course	Title	Credits
Semester 1		
GDES-102	Survey of Graphic Design	3
GDES-130	Introduction to Apple Operating System (Mac OS)	1
GDES-131	Adobe Illustrator - Vector Graphics	3
GDES-141	Web Development Basics	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		16-18
Semester 2		
GDES-120	Typography	2
GDES-132	Adobe Photoshop - Raster Graphics	3
GDES-221	Graphic Design I	3
GDES-255	Design Concepts for the Web	3
COMM-101	Introduction to Speech Communication	3
Credits		14
Semester 3		
GDES-133	Adobe Indesign - Layout and Composition	3
GDES-213	Digital Illustration	2
GDES-222	Graphic Design II	3
GDES-225	Introduction to Digital Video	3
GDES-271	Design Projects	3
Credits		14

Semester 4

GDES-223	Graphic Design III	3
GDES-251	Prepress Production and Management	3
GDES-283	Portfolio Development	3
GDES-290	Graphic Design Internship	3
Credits		12
Total Credits		56-58

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

Program Outcomes

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

- Apply the principles of visual organization, composition, information hierarchy, symbolic representation, typography, and aesthetics to communication problems in order to create, develop and construct meaningful images.
- Use, integrate and gain fluency in the current technologies, methodologies and creative processes to develop an individual design style.
- Apply methods, technologies and creative processes to conceive, design, produce, and create visual form to successfully communicate ideas, opinions, and concepts.
- Integrate the relevance of design history, theory, and criticism from a variety of perspectives, including those of graphic design history, semantics, communication, technology, and the social and cultural use of their designs into society.
- Investigate and synthesize the needs of marketing, sales, aspects of manufacturing, and servicing in the graphic design world and reconcile these needs to those of the user in terms of satisfaction, value, and aesthetics. Develop an ability to communicate design and marketing concepts and requirements to other designers and colleagues, suppliers and manufacturers, employers, and prospective clients.
- Apply basic business practices as they relate to real world design applications, including the ability to organize design projects and work productively as an individual, and as a member or leader of a design team.
- Make informed decisions about social and environmental issues, including ethical issues, concerning current graphic design, design production, copyrights laws and distribution.

GRAPHIC DESIGN (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Arts, Comm. and Humanities

Business Admin. and Management

The Graphic Design program is designed to prepare students for entry-level positions in the graphic design market. The program emphasizes the basic skills, knowledge, and abilities typically encountered in the graphic design professions. Instruction includes theories and methodologies used to implement creative, technical, and esthetic solutions into print advertising, packaging, web, digital video and new media applications.

Successful completion of each semester, or permission of the instructor, is required to continue into the next semester. This is a limited enrollment Career-Technical program.

Contact the Career-Technical programs advisor for information and admissions criteria.

Current industry professionals may enroll in individual courses on a space-available basis with the permission of the instructor and Dean of Career-Technical and Workforce Education.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=34)

Program Requirements

Course	Title	Credits
Semester 1		
GDES-102	Survey of Graphic Design	3
GDES-130	Introduction to Apple Operating System (Mac OS)	1
GDES-131	Adobe Illustrator - Vector Graphics	3
GDES-141	Web Development Basics	3
ENGL-101	English Composition	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	16-18
Semester 2		
GDES-120	Typography	2
GDES-132	Adobe Photoshop - Raster Graphics	3
GDES-221	Graphic Design I	3
GDES-255	Design Concepts for the Web	3
COMM-101	Introduction to Speech Communication	3
	Credits	14
Semester 3		
GDES-133	Adobe Indesign - Layout and Composition	3
GDES-213	Digital Illustration	2
GDES-222	Graphic Design II	3
GDES-225	Introduction to Digital Video	3
GDES-271	Design Projects	3
COMM-233	Interpersonal Communication	3
	Credits	17
Semester 4		
GDES-223	Graphic Design III	3
GDES-226	Computer Animation	2
GDES-251	Prepress Production and Management	3

GDES-283	Portfolio Development	3
GDES-290	Graphic Design Internship	3
A.A.S. Institutionally Designated (p. 50)		3
Credits		17
Total Credits		64-66

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

Program Outcomes

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

- Apply the principles of visual organization, composition, information hierarchy, symbolic representation, typography, and aesthetics to communication problems in order to create, develop and construct meaningful images.
- Use, integrate and gain fluency in the current technologies, methodologies and creative processes to develop an individual design style.
- Apply methods, technologies and creative processes to conceive, design, produce, and create visual form to successfully communicate ideas, opinions, and concepts.
- Integrate the relevance of design history, theory, and criticism from a variety of perspectives, including those of graphic design history, semantics, communication, technology, and the social and cultural use of their designs into society.
- Investigate and synthesize the needs of marketing, sales, aspects of manufacturing, and servicing in the graphic design world and reconcile these needs to those of the user in terms of satisfaction, value, and aesthetics. Develop an ability to communicate design and marketing concepts and requirements to other designers and colleagues, suppliers and manufacturers, employers, and prospective clients.
- Apply basic business practices as they relate to real world design applications, including the ability to organize design projects and work productively as an individual, and as a member or leader of a design team.
- Make informed decisions about social and environmental issues, including ethical issues, concerning current graphic design, design production, copyrights laws and distribution.

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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/92-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=92)

Program Requirements

Course	Title	Credits
Semester 1		
BIOL-175	Human Biology	4
CAOT-120	Word Processing/Word I	1
CAOT-179	Medical Terminology	2
CAOT-180	Legal Issues in Health Care	1
PHAR-150	Introduction to Pharmacology	3
PHIL-103	Ethics	3
ENGL-101	English Composition	3
	Credits	17
Semester 2		
COMM-101	Introduction to Speech Communication	3
HCIT-101	Health Information I	4
MAST-180	Introduction to Human Disease	3
MATH-123	Contemporary Mathematics	3
PSYC-101	Introduction to Psychology	3
	Credits	16
	Total Credits	33

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.

Course Key



GEM



WCHE



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 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.
- State the major therapeutic drug classifications and identify the following about each classification:
 - basic mechanism of action
 - common indications
 - important abbreviations and vocabulary terms

HEALTHCARE COMPUTER TECHNICIAN (ATC)

Advanced Technical Certificate

Career-Technical Program

Interest Areas:

**Business Admin. and Management
Healthcare
Science, Tech., Engr. and Math**

Healthcare computer technicians install, configure, and troubleshoot hardware, software, and networking in medical and clinical settings. Healthcare computer technicians are essential in maintaining a high quality of care to patients in hospitals nationwide.

Due to the widespread implementation and complexity of computerized health information, computer IT specialists with knowledge of healthcare practices are in high demand. The purpose of this program is to prepare people for entry-level employment in this exciting field.

Note: Students who wish to enroll in this program must apply to the first year CITE program and meet the selective enrollment criteria for that program. Contact the Career and Technical advisor for information on selective enrollment criteria.

Students waiting to be granted admission into the CITE program are able to register and take the courses that do not have the CITE prefix.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=85)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-116	Desktop Operating System Support	3
CITE-118	Computer Information Technology Essentials	2
CITE-119	Computer Information Technology Essentials Projects	2
CITE-127	Desktop Commodity Operating System Support Projects	2
ENGL-101	English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17
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	Introduction to Speech Communication	3
Credits		15
Semester 3		
CAOT-140	Database/Access I	1
CAOT-168	Integrated Medical Office Software	3
CAOT-179	Medical Terminology	2

CAOT-180	Legal Issues in Health Care	1
HCIT-101	Health Information I	4
HCIT-110	SQL Fundamentals	3
Credits		14
Semester 4		
CAOT-186	Medical Coding	3
EMRS-122	Installing Configuring EHRs	3
HCIT-210	Health IT Customer Service	3
HCIT-220	Healthcare Computer Technician Internship	3
Credits		12
Total Credits		56-58

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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 entry-level healthcare computer technician positions.
- Demonstrate the ability to setup a basic PC workstation within a healthcare environment.
- Troubleshoot and solve common PC problems.
- Install and configure hardware drivers and devices.
- Set up basic network devices and apply basic configuration settings.
- Apply best practices when creating and communicating passwords.
- Identify common security risks and their prevention methods.
- Implement best practices in secure disposal of electronic or physical protected health information (PHI).
- Access online tools and resources to assist with installing, configuring, and troubleshooting EHR/EMR hardware and software.
- Communicate effectively as part of an interdisciplinary team to develop plans, achieve goals, and solve problems related to IT support in healthcare-related facilities.

HEALTHCARE COMPUTER TECHNICIAN (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

**Business Admin. and Management
Healthcare
Science, Tech., Engr. and Math**

Healthcare computer technicians install, configure, and troubleshoot hardware, software, and networking in medical and clinical settings. Healthcare computer technicians are essential in maintaining a high quality of care to patients in hospitals nationwide.

Due to the widespread implementation and complexity of computerized health information, computer IT specialists with knowledge of healthcare practices are in high demand. The purpose of this program is to prepare people for entry-level employment in this exciting field. This program may be used to help prepare for CompTIA HIT-001 Healthcare IT Technician certification.

Note: Students who wish to enroll in this program must apply to the first year CITE program and meet the selective enrollment criteria for that program. Contact the Career and Technical advisor for information on selective enrollment criteria. Students waiting to be granted admission into the CITE program are able to register and take the courses that do not have the CITE prefix.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=85)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-116	Desktop Operating System Support	3
CITE-118	Computer Information Technology Essentials	2
CITE-119	Computer Information Technology Essentials Projects	2
CITE-127	Desktop Commodity Operating System Support Projects	2
ENGL-101	English Composition	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	15-17
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	Introduction to Speech Communication	3
	Credits	15
Semester 3		
CAOT-140	Database/Access I	1
CAOT-168	Integrated Medical Office Software	3
CAOT-179	Medical Terminology	2
CAOT-180	Legal Issues in Health Care	1
HCIT-101	Health Information I	4

HCIT-110	SQL Fundamentals	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	17
Semester 4		
CAOT-186	Medical Coding	3
EMRS-122	Installing Configuring EHRs	3
HCIT-210	Health IT Customer Service	3
HCIT-220	Healthcare Computer Technician Internship	3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	15
	Total Credits	62-64

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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 entry-level healthcare computer technician positions.
- Demonstrate the ability to setup a basic PC workstation within a healthcare environment.
- Troubleshoot and solve common PC problems.
- Install and configure hardware drivers and devices.
- Set up basic network devices and apply basic configuration settings.
- Apply best practices when creating and communicating passwords.
- Identify common security risks and their prevention methods.
- Implement best practices in secure disposal of electronic or physical protected health information (PHI).
- Access online tools and resources to assist with installing, configuring, and troubleshooting EHR/EMR hardware and software.
- Communicate effectively as part of an interdisciplinary team to develop plans, achieve goals, and solve problems related to IT support in healthcare-related facilities.

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.

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, psychometrics, 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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/35-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=35)

Program Requirements

Course	Title	Credits
Semester 1		
HVAC-161	HVACR Principles	3
HVAC-161L	HVACR Lab I	5
HVAC-165	HVACR Electrical	4
HVAC-167	HVACR Heating	4
Select one of the following:		2-3
CAOT-162	Introduction to Computer Applications	
CAOT-164 & CAOT-165 & CAOT-166	Computer Fundamentals for Technical Programs and Productivity Software for Technical Programs and Living Online for Technical Program	
Select one of the following:		3-5

MCTE-106	Technical Mathematics for Industrial Mechanic/Millwright; HVAC; Welding	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		21-24
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
HVAC-171L	HVACR Lab II	5
HVAC-175	HVACR Systems	4
HVAC-177	Refrigeration	4
HVAC-180	HVACR Codes and Licenses	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		21
Total Credits		42-45

Course Key



GEM



WCHE



AAS

Institutionally Designated



Gateway



Milestone

Program Outcomes

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

- Recognize and apply proper safety techniques and procedures for troubleshooting and servicing HVAC/R 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 HVAC/R 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 HVAC/R industry.
- Read and interpret electrical schematics and building blue prints.
- Obtain a Universal Refrigerant Handling Card allowing work on any size refrigeration system.
- Obtain a Heating Mechanic 1 license allowing work on heating equipment less than 400,000 BTU's/HR.
- Obtain class extra credit for obtaining a Low Pressure Boiler Operator License.
- Receive 1000 hour credit toward obtaining a 06A Electrician License for HVAC/R industry work and 2000 hour credit towards the Idaho HVAC/R Journeyman License.

HISTORY (AA)

Associate of Arts

Transfer Program

Interest Areas:









Soc. Sciences and Human Svcs.

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.



Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=36)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ¹		3
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
HIST-101	History of Civilization to 1500  	3
HIST-102	History of Civilization Since 1500  	3
HIST-111	U.S. History to 1876  	3
HIST-112	U.S. History After 1876  	3
HIST-290	The Historian's Craft	3
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

Code	Title	Credits
POLS-101	American National Government  	3
Select 4-18 credits from the following subjects:		4-18
	CDA Coeur d'Alene Language	
	FREN French Language	
	GERM German Language	
	ITAL Italian Language	
	JAPA Japanese Language	
	SPAN Spanish Language	

Course Key



GEM



WCHE



AAS
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 (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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/99-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=99)

- 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.

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-165	Productivity Software for Technical Programs	1
HOSP-100	Introduction to Hospitality and Tourism Management	3
HOSP-110	Front Office Procedures	3
HOSP-111	Food Safety and Sanitation	3
HOSP-117	Careers in Hospitality	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		16-18
Semester 2		
HOSP-102	Guest Focused Service	3
HOSP-215	Bar Beverage Management	3
HOSP-225	Event Planning and Management	3
HOSP-235	Food Appreciation	4
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		16
Total Credits		32-34

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

Program Outcomes

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

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/99-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=99)

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-165	Productivity Software for Technical Programs	1
HOSP-100	Introduction to Hospitality and Tourism Management	3
HOSP-110	Front Office Procedures	3
HOSP-111	Food Safety and Sanitation	3
HOSP-117	Careers in Hospitality	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		16-18
Semester 2		
HOSP-102	Guest Focused Service	3
HOSP-215	Bar Beverage Management	3
HOSP-225	Event Planning and Management	3
HOSP-235	Food Appreciation	4
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		16
Semester 3		
BUSA-265	Legal Environment of Business	3
COMM-101	Introduction to Speech Communication	3
HOSP-140	Leadership Principles	3
HOSP-250	Risk Management	3
Credits		12
Semester 4		
ACCT-110 or ACCT-201	Small Business Accounting or Principles of Accounting	3
BUSA-221	Principles of Marketing	3
HOSP-230	Financial Management	3

HOSP-290	Hospitality Field Experience	3
Credits		12
Total Credits		56-58

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

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 (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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=99)

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-165	Productivity Software for Technical Programs	1
HOSP-100	Introduction to Hospitality and Tourism Management	3
HOSP-110	Front Office Procedures	3
HOSP-111	Food Safety and Sanitation	3
HOSP-117	Careers in Hospitality	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	16-18
Semester 2		
HOSP-102	Guest Focused Service	3
HOSP-215	Bar Beverage Management	3
HOSP-225	Event Planning and Management	3
HOSP-235	Food Appreciation	4
ENGL-101	English Composition	3
	Credits	16
Semester 3		
BUSA-221	Principles of Marketing	3
BUSA-265	Legal Environment of Business	3
COMM-101	Introduction to Speech Communication	3
HOSP-140	Leadership Principles	3
HOSP-250	Risk Management	3
	Credits	15
Semester 4		
ACCT-110 or ACCT-201	Small Business Accounting or Principles of Accounting	3
HOSP-230	Financial Management	3
HOSP-290	Hospitality Field Experience	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	15
	Total Credits	62-64

Course Key



GEM



WCHE



AAS

Institutionally
Designated

Gateway



Milestone

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.

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 courses below results 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=37)

Program Requirements

Code	Title	Credits
General Education		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ¹	0
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
ENGL-205	Interdisciplinary Writing	3
HUMS-101	Montage: Introduction to the Humanities   	3
INTR-200	Interdisciplinary Seminar   	3
Select three credits from the following:		3
HUMS-205	Visual Texts and Culture	
HUMS-126	Film and Culture   	
	or CINA-126 Film and Culture   	
HUMS-295	Themes in Humanities	
Select 9 credits from the following subjects:		9
ART		
COMM		
ENGL		



FLAN
HIST
HUMS
INTR
MUSA
MUSC
MUSH
MUSP
PHIL
THEA

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

				
GEM	WCHE	AAS	Gateway	Milestone
		Institutionally Designated		

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/44-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=44)

Program Requirements

Course	Title	Credits
Semester 1		
MM-150	Industrial Mechanics I	8
MM-151L	Industrial Mechanics Lab I	5
MM-155	Industrial Blueprints	2
MCTE-106	Technical Mathematics for Industrial Mechanic/ Millwright; HVAC; Welding	3
Credits		18
Semester 2		
A TEC-117	Occupational Relations and Job Search	2
MM-152	Industrial Mechanics II	7
MM-152L	Industrial Mechanics Lab II	5
MM-156	Industrial Hydraulics	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		20

Summer 1

MM-153	Industrial Mechanics III	2
MM-153L	Industrial Mechanics Lab III	4
Credits		6
Total Credits		44

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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 courses results 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=39)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ¹	0
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
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.

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=40)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42) ¹		3
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ²		0
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
COMJ-100	The Sentinel	1-2
COMJ-121	Introduction to Media Writing	3
COMJ-140	Mass Media in a Free Society   	3
COMJ-222	Modern Reporting	3
COMM-111	Interview Techniques	2
PHTO-183	Introduction to Digital Photography	3
PHTO-289	Photojournalism	3
PHIL-103	Ethics  	3
or PHIL-201	Logic and Critical Thinking  	
POLS-101	American National Government   	3
or PSYC-101	Introduction to Psychology   	
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

Code	Title	Credits
ENGL-293	Creative Writing: Literary Nonfiction	3

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

LAW ENFORCEMENT (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:

Business Admin. and Management
Soc. Sciences and Human Svcs.

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 Office 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=41)

Program Requirements

Code	Title	Credits
LAWE-161	Basic Police Law and Professional Orientation	7
LAWE-162	Police Procedures and Investigations	8
LAWE-163	Enforcement and Field Skills for Patrol Officers	7
Total Credits		22

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

LAW ENFORCEMENT (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:

Business Admin. and Management
Soc. Sciences and Human Svcs.

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 Office 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=41)

Program Requirements

Course	Title	Credits
Semester 1		
PE-288	First Aid	3
PHIL-103 or PSYC-101	Ethics or Introduction to Psychology	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		12-14
Semester 2		
LAWE-161	Basic Police Law and Professional Orientation	7
LAWE-162	Police Procedures and Investigations	8

LAWE-163	Enforcement and Field Skills for Patrol Officers	7
Credits		22
Total Credits		34-36

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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 (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Business Admin. and Management
Soc. Sciences and Human Svcs.

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 Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=41)

Program Requirements

Course	Title	Credits
Semester 1		
CJ-103	Introduction to Criminal Justice	3
POLS-101	American National Government	3
PSYC-101	Introduction to Psychology	3
ENGL-101	English Composition	3
Credits		12
Semester 2		
COMM-101	Introduction to Speech Communication	3
ENGL-202	Technical Writing	3
PE-288	First Aid	3
POLS-275	State and Local Government	3
A.A.S. Institutionally Designated (p. 50)		3
Credits		15
Semester 3		
PHIL-103	Ethics	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
Select one of the following:		3
PSYC-205	Developmental Psychology	
PSYC-211	Abnormal Psychology	
PE-226	Stress Management	
Select one of the following:		3
SOC-102	Social Problems	
SOC-220	Marriage and Family	
SOC-251	Race and Ethnic Relations	
INTR-250A	Death and Dying: A Sociocultural, Historical, and Biological Perspective	
Credits		12-14
Semester 4		
LAWE-161	Basic Police Law and Professional Orientation	7
LAWE-162	Police Procedures and Investigations	8
LAWE-163	Enforcement and Field Skills for Patrol Officers	7
Credits		22
Total Credits		61-63

Course Key



GEM



WCHE



AAS

Institutionally
Designated



Gateway



Milestone

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 understand 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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/43-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=43)

Program Requirements

Course	Title	Credits
Semester 1		
MACH-150	Machining Technology Theory I	6
MACH-151L	Machining Technology Lab I	6
MACH-171	Blueprint Reading	2
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	3
	Credits	17
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
MACH-152L	Machining Technology Lab II	5
MACH-160	Manufacturing Processes	4
MACH-172	Blueprint Reading II	2
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
	Credits	16
	Total Credits	33

Course Key



GEM



WCHE

AAS
Institutionally
Designated

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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/43-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=43)

Program Requirements

Course	Title	Credits
Semester 1		
MACH-150	Machining Technology Theory I	6
MACH-151L	Machining Technology Lab I	6
MACH-171	Blueprint Reading	2
MCTE-105	Technical Mathematics for Machining and Computer Aided Design Technologies	3
	Credits	17
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
MACH-152L	Machining Technology Lab II	5
MACH-160	Manufacturing Processes	4
MACH-172	Blueprint Reading II	2
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
	Credits	16
Semester 3		
MACH-231	Computers in Machining	3

MACH-253L	Advanced Machining Lab I	5
MACH-273	Intermediate Blueprint Reading	3
MACH-283	Computer Numerical Control Theory I	5
	Credits	16
Semester 4		
MACH-254L	Advanced Machining Lab II	5
MACH-274	Geometric Dimensioning and Tolerancing	3
MACH-284	Advanced Machining Processes and Techniques	5
	Credits	13
	Total Credits	62

Course Key



GEM



WCHE

AAS
Institutionally
Designated

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.
- 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 (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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=43)

Program Requirements

Course	Title	Credits
Semester 1		
MACH-150	Machining Technology Theory I	6
MACH-151L	Machining Technology Lab I	6
MACH-171	Blueprint Reading	2
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
Credits		17-19
Semester 2		
MACH-152L	Machining Technology Lab II	5
MACH-160	Manufacturing Processes	4
MACH-172	Blueprint Reading II	2
ENGL-101	English Composition	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
Credits		17
Semester 3		
COMM-101	Introduction to Speech Communication	3
MACH-231	Computers in Machining	3
MACH-253L	Advanced Machining Lab I	5
MACH-273	Intermediate Blueprint Reading	3

MACH-283	Computer Numerical Control Theory I	5
Credits		19
Semester 4		
MACH-254L	Advanced Machining Lab II	5
MACH-274	Geometric Dimensioning and Tolerancing	3
MACH-284	Advanced Machining Processes and Techniques	5
A.A.S. Institutionally Designated (p. 50)		3
Credits		16
Total Credits		69-71

Course Key



GEM



WCHE

AAS
Institutionally
Designated

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.
- 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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=45)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42) ¹		0
GEM 4 - Scientific Ways of Knowing (p. 42) ²		4
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		6
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
CS-150	Computer Science I	4
MATH-170	Analytic Geometry and Calculus I   	4
MATH-175	Analytic Geometry and Calculus II	4
MATH-187	Discrete Mathematics	4
MATH-275	Analytic Geometry and Calculus III	4
MATH-335	Linear Algebra	3
MATH-370	Introductions to Ordinary Differential Equations	3
PHYS-211	Engineering Physics I  	5
PHYS-212	Engineering Physics II	5
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.

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

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 advances many of the concepts learned in the first year Industrial Mechanics/Millwright (IMM) portion of the program 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 the first two semesters of the IMM technical certificate program or permission of the instructor is required to enroll in the Mechatronics program. The second year of the program leads to an Advanced Technical Certificate in Mechatronics and is intended to advance the skills learned in the one year IMM Intermediate Technical Certificate program.

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.

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

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=107)

Program Requirements

Course	Title	Credits
Semester 1		
MM-150	Industrial Mechanics I	8
MM-151L	Industrial Mechanics Lab I	5
MM-155	Industrial Blueprints	2
MCTE-106	Technical Mathematics for Industrial Mechanic/ Millwright; HVAC; Welding	3
	Credits	18
Semester 2		
MM-152	Industrial Mechanics II	7
MM-152L	Industrial Mechanics Lab II	5
MM-156	Industrial Hydraulics	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
	Credits	18
Semester 3		
MECH-210	Mechatronics I	5
MECH-210L	Mechatronics Lab I	4
MECH-211	Programmable Logic Controllers I	3
	Credits	12

Semester 4

ATEC-117	Occupational Relations and Job Search	2
MECH-220	Advanced Mechatronics II	4
MECH-220L	Advanced Mechatronics Lab II	4
MECH-221	Advanced Programmable Logic Controllers II	3
	Credits	13
	Total Credits	61

Course Key



GEM



WCHE

AAS
Institutionally
Designated

Gateway



Milestone

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.
- 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.
- Advanced electrical motor control.
- Perform service and maintenance on conveyer systems.

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 advances many of the concepts learned in the first year Industrial Mechanics/Millwright portion of the program 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 the first two semesters of the one-year Industrial Mechanic/Millwright (IMM) Intermediate Technical Certificate program or permission of the instructor is required to enroll in the mechatronics program. The second year of the program leads to an Advanced Technical Certificate or A.A.S. degree in Mechatronics and is intended to advance the skills learned in the one year IMM Intermediate Technical Certificate program.

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 for a professional-technical limited-enrollment program 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=107)

Program Requirements

Course	Title	Credits
Semester 1		
MM-150	Industrial Mechanics I	8
MM-151L	Industrial Mechanics Lab I	5
MM-155	Industrial Blueprints	2
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	18-20
Semester 2		
MM-152	Industrial Mechanics II	7
MM-152L	Industrial Mechanics Lab II	5
MM-156	Industrial Hydraulics	3
ENGL-101	English Composition	3
	Credits	18
Semester 3		
COMM-101	Introduction to Speech Communication	3

MECH-210	Mechatronics I	5
MECH-210L	Mechatronics Lab I	4
MECH-211	Programmable Logic Controllers I	3
	Credits	15
Semester 4		
MECH-220	Advanced Mechatronics II	4
MECH-220L	Advanced Mechatronics Lab II	4
MECH-221	Advanced Programmable Logic Controllers II	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	17
	Total Credits	68-70

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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.
- 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.
- Advanced electrical motor control.
- Perform service and maintenance on conveyer systems.

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 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, medical transcription, and medical coding.

Physicians rely on well-trained 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 reports, 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=46)

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-120	Word Processing/Word I	1
CAOT-121	Word Processing/Word II	1
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-166	Living Online for Technical Program	1
CAOT-179	Medical Terminology	2
CAOT-183	Business Editing and Proofreading	3
ENGL-101	English Composition	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	15
Semester 2		
BIOL-175	Human Biology	4
CAOT-122	Word Processing/Word III	1
CAOT-140	Database/Access I	1
CAOT-150	PowerPoint	1
CAOT-168	Integrated Medical Office Software	3
CAOT-205	Business Doc Formatting/Transcription	2
COMM-101	Introduction to Speech Communication	3
	Credits	15
Semester 3		
ACCT-110 or ACCT-201	Small Business Accounting or Principles of Accounting	3

CAOT-115	Outlook	1
CAOT-130	Spreadsheets/Excel I	1
CAOT-131	Spreadsheets/Excel II	1
CAOT-132	Spreadsheets/Excel III	1
CAOT-180	Legal Issues in Health Care	1
CAOT-184	Records Systems Management	3
CAOT-204	Career Leadership	1
CAOT-216	Medical Transcription I	1
CAOT-217	Medical Transcription II	1
	Credits	14
Semester 4		
CAOT-186	Medical Coding	3
CAOT-210	Office Procedures	3
CAOT-224	Medical Administrative Assistant Internship	3
CAOT-250	Office Skills Capstone	1
ENGL-272	Business Writing	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	16-18
	Total Credits	60-62

Course Key



GEM



WCHE

AAS
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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, 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 settings.
- Uphold legal and ethical standards and adhere to principles of patient confidentiality within the health care and community environment as defined by HIPAA.
- Effectively use specialized computer programs (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 (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 (<https://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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/47-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=47)

Program Requirements

Course	Title	Credits
Semester 1		
BIOL-175	Human Biology	4
MCTE-102	Computational Skills for Allied Health	3
	Credits	7
Semester 2		
CAOT-168	Integrated Medical Office Software	3
CAOT-179	Medical Terminology	2
MAST-100	Phlebotomy	2
MAST-101	Clinical Skills for Medical Assistants I	3
MAST-111	Administrative Skills for Medical Assistants I	3
PHAR-150	Introduction to Pharmacology	3
	Credits	16
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
MAST-211	Administrative Skills II	3

PSYC-101 or SOC-101	Introduction to Psychology or Introduction to Sociology	3
	Credits	16
Semester 4		
MAST-216	Medical Assistant Externship	5
ENGL-101	English Composition	3
	Credits	8
	Total Credits	47

Course Key



GEM



WCHE

AAS
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 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.

The Medical Assistant program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org (<https://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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=47)

Program Requirements

Course	Title	Credits
Semester 1		
BIOL-175	Human Biology	4
CAOT-179	Medical Terminology	2
PSYC-101 or SOC-101	Introduction to Psychology or Introduction to Sociology	3
	Credits	9
Semester 2		
CAOT-120	Word Processing/Word I	1
CAOT-121	Word Processing/Word II	1
CAOT-122	Word Processing/Word III	1
CAOT-168	Integrated Medical Office Software	3
COMM-101	Introduction to Speech Communication	3
ENGL-101	English Composition	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	15-17
Semester 3		
CAOT-180	Legal Issues in Health Care	1
MAST-100	Phlebotomy	2
MAST-101	Clinical Skills for Medical Assistants I	3
MAST-111	Administrative Skills for Medical Assistants I	3
MAST-180	Introduction to Human Disease	3
PHAR-150	Introduction to Pharmacology	3
	Credits	15

Semester 4

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
MAST-211	Administrative Skills II	3
	Credits	13

Semester 5

MAST-216	Medical Assistant Externship	5
MAST-230	Certified Medical Assistant Exam Review	3
	Credits	8
	Total Credits	60-62

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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 BILLING SPECIALIST (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Business Admin. and Management Healthcare

Trained, qualified 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 non-hospital 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. 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=48)

Program Requirements

Course	Title	Credits
Semester 1		
ACCT-110	Small Business Accounting	3
ACCT-150	10-Key Skill Building	1
CAOT-120	Word Processing/Word I	1
CAOT-130	Spreadsheets/Excel I	1
CAOT-131	Spreadsheets/Excel II	1
CAOT-132	Spreadsheets/Excel III	1
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-179	Medical Terminology	2
ENGL-101	English Composition	3
	Credits	14
Semester 2		
ACCT-111	Small Business Accounting II	3
CAOT-121	Word Processing/Word II	1
CAOT-122	Word Processing/Word III	1
CAOT-140	Database/Access I	1
CAOT-168	Integrated Medical Office Software	3
CAOT-186	Medical Coding	3
CAOT-210	Office Procedures	3
	Credits	15

Semester 3

ACCT-244	Credit and Collections	3
BIOL-175	Human Biology	4
CAOT-180	Legal Issues in Health Care	1
CAOT-184	Records Systems Management	3
CAOT-225	Medical Billing Specialist Internship I	4
	Credits	15

Semester 4

CAOT-226	Medical Billing Specialist Internship II	4
CAOT-250	Office Skills Capstone	1
COMM-101	Introduction to Speech Communication	3
ENGL-272	Business Writing	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	17-19
	Total Credits	61-63

Course Key



GEM



WCHE

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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, 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 settings.
- Uphold legal and ethical standards and adhere to principles of patient confidentiality within the health care and community environment as defined by HIPAA.
- Effectively use specialized computer programs (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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=102)

Program Requirements

Course	Title	Credits
Semester 1		
ENGL-101	English Composition	3
MATH-143	College Algebra (or higher)	3
BIOL-175 or BIOL-227	Human Biology or Human Anatomy Physiology I With Cadaver	4
CHEM-101 or CHEM-111	Introduction to Essentials of General Chemistry I or Principles of General College Chemistry I	4-5
	Credits	14-15
Semester 2		
BACT-250	General Microbiology	4
CHEM-275 or CHEM-112	Carbon Compounds or Principles of General College Chemistry II	3-5
COMM-101	Introduction to Speech Communication	3
PSYC-101	Introduction to Psychology	3
	Credits	13-15
Semester 3		
MLT-100	Phlebotomy	2

MLT-124	Medical Lab Fundamentals	3
MLT-214	Hematology and Hemostasis	4
MLT-222	Basic Concepts in Transfusion Medicine	4
	Credits	13
Semester 4		
MLT-218	Medical Lab Chemistry	4
MLT-225	Parasitology, Mycology and Virology	2
	Credits	6
Semester 5		
MLT-112	Urinalysis and Other Body Fluids	2
MLT-220	Medical Microbiology	5
MLT-223	Immunology and Molecular Techniques	3
MLT-224	Advanced Medical Laboratory Technology Student Lab Practice	3
	Credits	13
Semester 6		
MLT-250	Capstone Seminar and Exam Review	5
MLT-291	Internship I	4
MLT-292	Internship II	4
	Credits	13
	Total Credits	72-75

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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 demonstrate knowledge in all types of laboratory testing (simple to complex) and
 - 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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/50-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=50)

Program Requirements

Course	Title	Credits
Semester 1		
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 or COMM-233	Introduction to Speech Communication or Interpersonal Communication	3
	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-210	Office Procedures	3
CAOT-205	Business Doc Formatting/Transcription	2
	Credits	12
Semester 3		
CAOT-180	Legal Issues in Health Care	1
CAOT-184	Records Systems Management	3
CAOT-191	Medical Receptionist Internship I	3
CAOT-216	Medical Transcription I	1
CAOT-217	Medical Transcription II	1
CAOT-250	Office Skills Capstone	1

PE-288	First Aid	3
	Credits	13
	Total Credits	38

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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 an entry-level medical office position.
- Perform health care office procedures that include scheduling, bookkeeping, billing and payment collection, 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.

MODERN LANGUAGES (AA)

Associate of Arts

Transfer Program

Interest Areas:

Arts, Comm. and Humanities

The 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=52)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ¹	0
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
	Modern Language (select one discipline)	18
FLAN-207	Contemporary World Cultures   	3
COMM-220	Intro to Intercultural Communication   	3
	or SOC-103 Cultural Diversity	
Elective Requirements		
	Courses 100-level or higher	4-6
Total Credits		60-64

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

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

Program Outcomes

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

- Perform at the Intermediate low 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=53)









Program Requirements









Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42) ¹		3
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		6
GEM 7 - Institutionally Designated (p. 43) ¹		3

Program Requirements

MUSA-145	Piano Class I 	1
MUSA-146	Piano Class II	1
MUSA-245	Piano Class III	1
MUSA-246	Piano Class IV	1
MUSC-117	Music Convocation	0
MUSC-141	Harmony and Theory I	3
MUSC-141L	Harmony and Theory I Laboratory	1
MUSC-142	Harmony and Theory II	3
MUSC-142L	Harmony Theory Lab II	1
MUSC-241	Harmony and Theory III	3
MUSC-241L	Harmony and Theory III Laboratory	1
MUSC-242	Harmony and Theory IV	3
MUSC-242L	Harmony Theory IV Lab	1
MUSH-101	Survey of Music   	3

Select one musical ensemble course each semester from the following:

MUSP-103	North Idaho College Cardinal Chorale  
MUSP-104	Vocal Jazz Ensemble  
MUSP-106	North Idaho College Wind Symphony  
MUSP-107	Cardinal Pep Band  

MUSP-110M	Chamber Singers  	
MUSP-111C	Chamber Ensemble  	
MUSP-111O	Cardinal Chamber Orchestra  	
MUSP-113	North Idaho College Jazz Ensemble  	
Select eight credits from the following:		8
MUSA-124A	Voice	
MUSA-124B	Piano	
MUSA-124C	Jazz Piano	
MUSA-124D	General Guitar	
MUSA-124E	Classical Guitar	
MUSA-124F	Flute	
MUSA-124G	Oboe	
MUSA-124H	Clarinet	
MUSA-124I	Saxophone	
MUSA-124J	Bassoon	
MUSA-124K	Trumpet	
MUSA-124L	Horn	
MUSA-124M	Trombone	
MUSA-124N	Euphonium	
MUSA-124O	Tuba	
MUSA-124P	Violin	
MUSA-124Q	Viola	
MUSA-124R	Cello	
MUSA-124S	String Bass	
MUSA-124T	Electric Bass	
MUSA-124U	Percussion	
MUSA-124V	Harp	
MUSA-124Z	Composition	
Total Credits		67-71

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

Course Key



GEM



WCHE



AAS
Institutionally
Designated



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 (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 third and fourth semester courses.

Final regulations published in the Federal Register on October 29, 2010, require institutions to report certain information about students who enrolled in Title IV (<https://www.nic.edu/programs/ge/TitleIV.aspx>) eligible educational programs that lead to gainful employment in a recognized occupation (GE programs). Those regulations also provide that institutions must disclose to prospective students certain information about the institution's GE Programs.

For programs that fall under these regulations, NIC provides information on cost, financing, and completion.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-118	Computer Information Technology Essentials	2
CITE-121	Network Support I	3
CITE-122	Network Support I Projects	3
CITE-124	TCP/IP Fundamentals	2
ENGL-101	English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		16-18

Semester 2

CITE-142	Information Security Fundamentals	3
CITE-155	Linux Essentials	3
CITE-213	Network Support II	3
CITE-215	Network Support II Projects	3
COMM-101	Introduction to Speech Communication	3
Credits		15
Total Credits		31-33

Course Key



GEM



WCHE

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 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.
- Demonstrate good work habits.
- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level network security administrator positions.

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 third and fourth semester courses.

Final regulations published in the Federal Register on October 29, 2010, require institutions to report certain information about students who enrolled in Title IV (<https://www.nic.edu/programs/ge/TitleIV.aspx>) eligible educational programs that lead to gainful employment in a recognized occupation (GE programs). Those regulations also provide that institutions must disclose to prospective students certain information about the institution's GE Programs.

For programs that fall under these regulations, NIC provides information on cost, financing, and completion.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-118	Computer Information Technology Essentials	2
CITE-121	Network Support I	3
CITE-122	Network Support I Projects	3
CITE-124	TCP/IP Fundamentals	2
ENGL-101	English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	

GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		Credits	16-18
Semester 2			
CITE-142	Information Security Fundamentals	3	
CITE-155	Linux Essentials	3	
CITE-213	Network Support II	3	
CITE-215	Network Support II Projects	3	
COMM-101	Introduction to Speech Communication	3	
		Credits	15
Semester 3			
CITE-165	Linux System Administration	3	
CITE-235	Network Security Fundamentals	3	
CITE-243	Command Line and Scripting Fundamentals	3	
CITE-275	Intrusion Detection/Prevention Systems Fundamentals	3	
		Credits	12
Semester 4			
CITE-104	Systems Administration I	3	
CITE-105	Systems Administration I Projects	3	
CITE-237	Ethical Hacking and Systems Defense	3	
CITE-239	Network Forensics Incident Response	3	
Select one of the following:			2-3
A TEC-117	Occupational Relations and Job Search		
CITE-289	Cyber Competitions		
CITE-296	Cybersecurity Internship		
		Credits	14-15
		Total Credits	57-60

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally Designated

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.

- Demonstrate appropriate work relationships and habits, communication skills, and computation skills used in entry-level network security administrator positions.

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 CyberSecurity professionals are varied and immediate. The National Initiative for CyberSecurity Education (NICE) has identified dozens of job titles that require security skills (see www.csrc.nist.gov/nice/framework/). 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 third and fourth semester courses.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=109)

Program Requirements

Course	Title	Credits
Semester 1		
CITE-118	Computer Information Technology Essentials	2
CITE-121	Network Support I	3
CITE-122	Network Support I Projects	3
CITE-124	TCP/IP Fundamentals	2

ENGL-101	English Composition	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
Credits		16-18
Semester 2		
CITE-142	Information Security Fundamentals	3
CITE-155	Linux Essentials	3
CITE-213	Network Support II	3
CITE-215	Network Support II Projects	3
COMM-101	Introduction to Speech Communication	3
Credits		15
Semester 3		
CITE-165	Linux System Administration	3
CITE-235	Network Security Fundamentals	3
CITE-243	Command Line and Scripting Fundamentals	3
CITE-275	Intrusion Detection/Prevention Systems Fundamentals	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
Credits		15
Semester 4		
CITE-104	Systems Administration I	3
CITE-105	Systems Administration I Projects	3
CITE-237	Ethical Hacking and Systems Defense	3
CITE-239	Network Forensics Incident Response	3
A.A.S. Institutionally Designated (p. 50)		3
Select one of the following:		2-3
ATEC-117	Occupational Relations and Job Search	
CITE-289	Cyber Competitions	
CITE-296	Cybersecurity Internship	
Credits		17-18
Total Credits		63-66

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally Designated

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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/54-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=54)

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-179	Medical Terminology	2
ENGL-101	English Composition	3
MCTE-102	Computational Skills for Allied Health	3
PHAR-150	Introduction to Pharmacology	3
PSYC-101	Introduction to Psychology	3
BIOL-175 or BIOL-227 and BIOL-228	Human Biology or Human Anatomy Physiology I With Cadaver and Human Anatomy Physiology II With Cadaver	4-8
	Credits	18-22
Semester 2		
PN-106	Practical Nursing Theory I	6
PN-106L	Practical Nursing Lab I	6
	Credits	12
Semester 3		
ATEC-110	Successful Job Search	1
PN-107	Practical Nursing Theory II	8
PN-107L	Practical Nursing Lab II	6
	Credits	15
Semester 4		
PN-108	Practical Nursing Theory III	3

PN-108L	Practical Nursing Laboratory III	5
	Credits	8
	Total Credits	53-57

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

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.

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 seek 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. Inquires 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). New and former students must complete the formal admissions process as listed for Degree Seeking (Matriculating) students.
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 \geq 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 is 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=55)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ¹	0
GEM 7	Institutionally Designated (p. 43) ¹	0
Program Requirements		
BACT-250	General Microbiology 	4
BIOL-227	Human Anatomy Physiology I With Cadaver 	4
BIOL-228	Human Anatomy Physiology II With Cadaver	4

INTR-2500	Leadership in Interprofessional Healthcare  	3
NURS-115	Wellness for Care Providers  	1
NURS-201	Fundamentals of Nursing	2
NURS-210	Fundamentals of Nursing Lab	2
NURS-215	Physical Assessment With Lab	1
NURS-225	Pharmacology in Nursing Practice	1
NURS-235	Psychiatric Mental Health Nursing With Lab	1
NURS-240	Nursing Care of Child-Bearing Families With Lab	2
NURS-245	Community Health Nursing	1
NURS-250	Medical Surgical Nursing I	3
NURS-255	Medical Surgical Nursing Lab I	3
NURS-260	Medical Surgical Nursing II	4
NURS-265	Medical Surgical Nursing Lab II	4
NURS-270	Transition to Nursing Practice	1
NURS-275	Transition to Nursing Practice Lab	3
PSYC-101	Introduction to Psychology  	3
SOC-101	Introduction to Sociology  	3
Total Credits		68-70

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

Recommended Electives

Code	Title	Credits
NURS-198	Nursing Practice Clinical Practicum	1

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



WCHE

AAS
Institutionally
Designated

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/56-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=56)

Program Requirements

Course	Title	Credits
Semester 1		
BLDR-120	Financial Business Applications	3
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word I	1
CAOT-121	Word Processing/Word II	1
CAOT-122	Word Processing/Word III	1
CAOT-140	Database/Access I	1
CAOT-150	PowerPoint	1
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-183	Business Editing and Proofreading	3
CAOT-204	Career Leadership	1
CLC-106	College Internet Skills	1
	Credits	15
Semester 2		
CAOT-130	Spreadsheets/Excel I	1
CAOT-131	Spreadsheets/Excel II	1
CAOT-132	Spreadsheets/Excel III	1
CAOT-184	Records Systems Management	3
CAOT-205	Business Doc Formatting/Transcription	2
CAOT-210	Office Procedures	3
CAOT-220	Administrative Support Internship I	3
CAOT-250	Office Skills Capstone	1
	Credits	15
	Total Credits	30

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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 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 usefulness 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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/57-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=57)

Program Requirements

Code	Title	Credits
COMM-101	Introduction to Speech Communication  	3
or COMM-233	Interpersonal Communication  	
ECTE-100	Fundamentals for Writing	3
or ENGL-101	English Composition  	
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Select one of the following:		3-4
ACCT-248	Accounting Internship	
CAOT-191	Medical Receptionist Internship I	
CAOT-220	Administrative Support Internship I	
CAOT-224	Medical Administrative Assistant Internship	
CAOT-225	Medical Billing Specialist Internship I	
PLEG-290	Paralegal Internship I	
Select 18 credits from the following subjects: ¹		18
ACCT Accounting		
BUSA Business Administration		
CAOT Computer Applications and Office Technology		
PLEG Paralegal		
Total Credits		30-33

¹ Excluding internship courses.

Course Key



GEM



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 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 (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas:

Business Admin. and Management

Healthcare

Soc. Sciences and Human Svcs.

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. For program specific requirements please refer to the program website.

Gainful Employment Information (<https://www.nic.edu/programs/ge/58-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=58)

- 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.

Program Requirements

Course	Title	Credits
Semester 1		
RRM-110	Wilderness First Responder	3
RRM-234	Team Dynamics	3
RRM-237E	Outdoor Programming and Leadership	3
RRM-237F	Outdoor Navigation	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17
Semester 2		
RRM-125	Wilderness Ethics Interpretation	3
RRM-237B	Wilderness Survival	3
RRM-237C	Whitewater Guiding	3
RRM-237H	Introduction to Outdoor Cooking	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		15
Total Credits		30-32

Course Key



GEM



WCHE



AAS

Institutionally
Designated



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.

OUTDOOR RECREATION LEADERSHIP (ATC)

Advanced Technical Certificate

Career-Technical Program

Interest Areas:

- Business Admin. and Management**
- Healthcare**
- Soc. Sciences and Human Svcs.**

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. For program specific requirements please refer to the program website.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=58)

Program Requirements

Course	Title	Credits
Semester 1		
RRM-110	Wilderness First Responder	3
RRM-234	Team Dynamics	3
RRM-237E	Outdoor Programming and Leadership	3
RRM-237F	Outdoor Navigation	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		15-17
Semester 2		
RRM-125	Wilderness Ethics Interpretation	3
RRM-237B	Wilderness Survival	3
RRM-237C	Whitewater Guiding	3
RRM-237H	Introduction to Outdoor Cooking	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		15
Semester 3		
RRM-140	Leadership Principles	3
RRM-225	Event Planning and Management	3
RRM-237A	Wilderness Backpacking	3
RRM-237J	Swift Water Rescue	3
RRM-250	Risk Management in the Resort Industry	3
Credits		15
Semester 4		
CAOT-130	Spreadsheets/Excel I	1
PE-110W	Mountain Biking	1
RRM-230	Leisure and Recreation Programming	3
RRM-237D	Mountaineering	3
RRM-237G	Avalanche Level I	1
RRM-290	Resort Recreation Management Internship	3
Credits		12
Total Credits		57-59

Course Key



GEM



WCHE

AAS
Institutionally
Designated

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 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.

OUTDOOR RECREATION LEADERSHIP (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

- Business Admin. and Management**
- Healthcare**
- Soc. Sciences and Human Svcs.**

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. For program specific requirements please refer to the program website.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=58)

Program Requirements

Course	Title	Credits
Semester 1		
RRM-110	Wilderness First Responder	3
RRM-234	Team Dynamics	3
RRM-237E	Outdoor Programming and Leadership	3
RRM-237F	Outdoor Navigation	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	15-17
Semester 2		
COMM-101	Introduction to Speech Communication	3
RRM-125	Wilderness Ethics Interpretation	3
RRM-237C	Whitewater Guiding	3
RRM-237H	Introduction to Outdoor Cooking	3
ENGL-101	English Composition	3
	Credits	15
Semester 3		
RRM-140	Leadership Principles	3
RRM-225	Event Planning and Management	3
RRM-237J	Swift Water Rescue	3
RRM-250	Risk Management in the Resort Industry	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
	Credits	15
Semester 4		
CAOT-130	Spreadsheets/Excel I	1
PE-110W	Mountain Biking	1
RRM-230	Leisure and Recreation Programming	3
RRM-237D	Mountaineering	3
RRM-237G	Avalanche Level I	1
RRM-290	Resort Recreation Management Internship	3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	15
	Total Credits	60-62

Course Key



GEM



WCHE

AAS
Institutionally
Designated

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 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.

PARALEGAL (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Business Admin. and Management
Soc. Sciences and Human Svcs.

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

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=60)

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word I	1
CAOT-121	Word Processing/Word II	1
CAOT-183	Business Editing and Proofreading	3
PLEG-110	Introduction to Law	2
PLEG-115	Legal Terminology	1
PLEG-210	Legal Research and Writing I	4
ENGL-101	English Composition	3
Credits		16
Semester 2		
CAOT-130	Spreadsheets/Excel I	1
CAOT-140	Database/Access I	1
CAOT-210	Office Procedures	3
PLEG-105	Civil Procedure and Litigation	3
PLEG-220	Legal Research and Writing II	4
PLEG-250	Family Law	3
Credits		15
Semester 3		
CAOT-184	Records Systems Management	3
PLEG-201	Legal Ethics	1
PLEG-230	Evidence	3
PLEG-260	Criminal Law and Procedure	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
A.A.S. Institutionally Designated (p. 50)		3
Credits		16-18
Semester 4		
CAOT-205	Business Doc Formatting/Transcription	2

CAOT-250	Office Skills Capstone	1
COMM-101	Introduction to Speech Communication	3
PLEG-280	Torts and Contracts	3
PLEG-290	Paralegal Internship I	3
GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)		3
Credits		15
Total Credits		62-64

Course Key



GEM



WCHE

AAS
Institutionally
Designated

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.

PHARMACEUTICAL MANUFACTURING (AS)

Associate of Science

Transfer Program

Interest Areas:

Healthcare

Science, Tech., Engr. and Math

The Pharmaceutical Manufacturing program is designed for students who desire careers in the research and production of pharmaceutical and medicine products. These products are used to treat disease and for the betterment of life. The production of these products requires a fundamental understanding of biology, chemistry, and manufacturing processes.



Upon completion of this program students shall have demonstrated the ability to:
























- Be familiar with the language of biotechnology production.
- Be able to articulate, read and follow a standard operating procedure.
- Be able to understand and apply the regulatory requirements of current good manufacturing practices.
- Understand the basic biology and chemistry behind the manufacturing processes.
- Demonstrate the ability to perform laboratory skills and work in team settings.

Completion of the following courses results in an Associate of Science Degree with an area of emphasis in pharmaceutical manufacturing. It will ready the students for entry- to mid-level positions in a biotechnology environment. The required coursework also supports baccalaureate degree requirements in biology, chemistry, and other scientific disciplines. When advanced degrees are desired, course selection should be tailored to match requirements defined by intended transfer institution.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=61)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ²	3
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BACT-250	General Microbiology 	4
BIOL-115	Introduction to Life Sciences 	4
BMGT-256	Problem Solving/Team Dynamics	3

or BUSA-211	Principles of Management	
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
HCIT-210	Health IT Customer Service	3
PHIL-103	Ethics  	3
PHMF-100	Pharmaceutical Manufacturing Principles	3
PHMF-105	Pharmaceutical Quality Systems and Regulations	2
Select one course from the following:		3-4
MATH-143	College Algebra   	
MATH-160	Survey of Calculus   	
MATH-170	Analytic Geometry and Calculus I   	
Select one of the following series:		7-8
BTNY-203 & CHEM-275	General Botany    and Carbon Compounds	
CHEM-277 & CHEM-278	Organic Chemistry I and Organic Chemistry I Lab	
& CHEM-287 & CHEM-288	and Organic Chemistry II and Organic Chemistry II Lab	
PHYS-111 & PHYS-112	General Physics I    and General Physics II	
Total Credits		64-68

- 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



WCHE



AAS
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Designated



Gateway



Milestone

Program Outcomes

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

- Use the language of biotechnology production.
- Articulate, read and follow a standard operating procedure.
- Apply the regulatory requirements of current good manufacturing practices.
- Describe the basic biology and chemistry behind the manufacturing processes.
- Perform laboratory skills and work in team settings.

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

PHARMACY TECHNOLOGY (ITC)

Intermediate Technical Certificate

Career-Technical Program

Interest Areas: Healthcare

The Pharmacy Technology program prepares graduates for positions working under the supervision of a licensed and registered pharmacist in retail and institutional pharmacy practice settings. Students completing the program will have a basic understanding of anatomy, physiology, medical terminology, pharmacy law, and the therapeutic classification and use of the top-200 prescription drugs. Students will develop skills in pharmaceutical preparation, maintaining patient profiles or records, sterile products preparation, performing stock procedures, communication and presentation, and computer use to enter, store, and recall patient information.

The Pharmacy Technology program is a selective admissions program. Approximately 12-16 students are admitted to the program each fall semester. The Intermediate Technical Certificate can be obtained in an 11-month course of study. For program specific requirements, please refer to the program website.

Gainful Employment Information (<https://www.nic.edu/programs/ge/62-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=62)

Program Requirements

Course	Title	Credits
Semester 1		
ALTH-108	Infection Prevention	1
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-179	Medical Terminology	2
MCTE-102	Computational Skills for Allied Health	3
PHAR-110	Pharmacy Law and Ethics	2
PHAR-150	Introduction to Pharmacology	3
PHAR-171 & 171L	Applied Pharmacy Technology I and Applied Pharmacy Tech I Lab	3
	Credits	15
Semester 2		
ALTH-107	Communication for Health Professionals	1
PHAR-161 & 161L	Extemporaneous Compounding and IV Certification and Extemporaneous Compounding and IV Certification Lab	3
PHAR-172 & 172L	Applied Pharmacy Tech II and Applied Pharmacy Technology II Lab	2
PHAR-182	Pharmacy Technology Practicum and Seminar I ¹	5
ENGL-101	English Composition	3
	Credits	14
Semester 3		
PHAR-175	Pharmacy Technician Certification Exam Prep	1

PHAR-187	Pharmacy Technology Practicum and Seminar II ¹	5
	Credits	6
	Total Credits	35

¹ One-half of students will be scheduled in retail pharmacy experience and one-half will be scheduled in hospital pharmacy experience. Both must be completed to obtain a certificate.

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- Display accountability as a health care professional.
- Communicate effectively in a professional manner with members of the healthcare team.
- Solve math-oriented problems posed to the technician by a pharmacist.
- Practice principles of implementing physician orders in a pharmacy setting.
- Demonstrate standards of aseptic technique and safety in a pharmacy setting.
- Apply knowledge of legal requirements involved in pharmacy operations.
- Identify appropriate information regarding standard dosing, generic versus trade name and other drug information.
- Define the role of the technician – the pharmacist/patient/tech interaction; i.e. confidentiality.
- Describe and model proper work habits, and employ communication practices and computation skills appropriate to the role of a pharmacy technician.

PHILOSOPHY (AA)

Associate of Arts

Transfer Program

Interest Areas:









Arts, Comm. and Humanities

This program provides excellent preparation for most professions or fields of graduate study, especially business, law, medicine, public administration, and education. Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=63)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42) ¹		3
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		6
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
PHIL-101	Introduction to Philosophy  	3
PHIL-103	Ethics  	3
PHIL-201	Logic and Critical Thinking  	3
PHIL-111	World Religions  	3
Elective Requirements		
Courses 100-level or higher		13-15
Total Credits		60-64

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

Course Key



GEM



WCHE



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Gateway



Milestone

- Analyze, evaluate, and interpret texts, arguments, events, or ideas in their cultural, intellectual, 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 the philosophical tradition.
- Recognize and understand the primary ideas, controversies and issues in philosophy and the historical conversation that accompanies these enduring themes.
- Demonstrate awareness of how philosophy has affected the growth and change of institutions, society, and conceptions of ethics and justice.
- Demonstrate a solid understanding of the components of sound reasoning and argumentation.

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:

- Recognize and describe philosophical works within problems and patterns of the human experience.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=64)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42) ¹		3
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ²		0
GEM 7 - Institutionally Designated (p. 43)		4-6
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-288	Intermediate Digital Photography	3
PHTO-289	Photojournalism	3
PSYC-101	Introduction to Psychology  	3
THEA-101	Introduction to the Theatre  	3
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.

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

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

- 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.

Program Outcomes

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

PHYSICAL EDUCATION (AS)

Associate of Science

Transfer Program

Interest Areas:








Healthcare

Soc. Sciences and Human Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=65)

Program Requirements





Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42) ¹		4
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		6
GEM 7 - Institutionally Designated (p. 43) ¹		3
Program Requirements		
Select 16 credits from the following:		16
PE-160	Foundations of Physical Education	
PE-220	Sports Ethics	
PE-221	Fitness Activities Concepts	
PE-222	Wellness Lifestyles  	
PE-223	Exercise Physiology	
PE-225	Sports Psychology	
PE-227	Legal Aspects of Sport and Recreation	
PE-288	First Aid  	
BIOL-207	Concepts in Human Nutrition	3
or PE-224	Nutrition for Health, Fitness Exercise	
BIOL-175	Human Biology 	4
or BIOL-227	Human Anatomy Physiology I With Cadaver  	
Elective Requirements		
Courses 100-level or higher ²		4-6
Total Credits		60-62

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

Code	Title	Credits
BIOL-228	Human Anatomy Physiology II With Cadaver	4
CAOT-179	Medical Terminology	2
CHEM-101	Introduction to Essentials of General Chemistry I  	4
CHEM-111	Principles of General College Chemistry I  	5
PE-248	Athletic Injuries-Sports Medicine	3
PE-250	Clinical Athletic Training	3
PE-253	American Council of Exercise Group Fitness Instructor Certification	2

Coaching

Code	Title	Credits
PE-241C	Coaching Methods: Soccer	2
PE-241D	Coaching Methods: Softball/Baseball	2
PE-241E	Coaching Methods: Basketball	2
PE-241F	Coaching Methods: Wrestling	2
PE-242	Sports Officiating	2
PE-248	Athletic Injuries-Sports Medicine	3
PE-253	American Council of Exercise Group Fitness Instructor Certification	2

K-12 Education

Code	Title	Credits
EDUC-201	Introduction to Teaching	3
PE-243	Play and Game Theory	2
PE-253	American Council of Exercise Group Fitness Instructor Certification	2
PE-110/PE-111	Physical Activity Courses	1-7

Outdoor Recreation

Code	Title	Credits
PE-237A	Wilderness Backpacking	3
PE-237B	Wilderness Survival	3
PE-237C	Whitewater Guiding	3
PE-237D	Mountaineering	3
PE-237E	Outdoor Programming and Leadership	3
PE-237F	Outdoor Navigation	3
PE-237H	Introduction to Outdoor Cooking	3
PE-237J	Swift Water Rescue	3

Course Key



GEM



WCHE



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Gateway



Milestone

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 basic sciences 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=66)

Program Requirements

Course	Title	Credits
Semester 1		
BIOL-227	Human Anatomy Physiology I With Cadaver	4
CAOT-179	Medical Terminology	2
MATH-123	Contemporary Mathematics	3
PSYC-101	Introduction to Psychology	3
ENGL-101	English Composition	3
	Credits	15
Semester 2		
PTAE-101	Physical Therapy in Health Care	2
PTAE-107 & 107L	Kinesiology and Kinesiology Lab	4
PTAE-110 & 110L	Principles and Procedures of Physical Therapy and Principles and Procedures of Physical Therapy Lab	3
PTAE-113	Clinical Pathology	2
BIOL-228	Human Anatomy Physiology II With Cadaver	4
	Credits	15

Semester 3

PTAE-207 & 207L	Therapeutic Exercise and Therapeutic Exercise Lab	4
PTAE-208 & 208L	Orthopedic Rehabilitation and Orthopedic Rehabilitation Lab	4
PTAE-211 & 211L	Data Collection and Data Collection Lab	3
PTAE-217 & 217L	Neurological Rehabilitation and Neurological Rehabilitation Lab	4
	Credits	15

Semester 4

PTAE-204 & 204L	Therapeutic Modalities and Therapeutic Modalities Lab	3
PTAE-215 & 215L	Special Populations and Special Populations Lab	3
PTAE-240	Clinical Affiliation 1	7
	Credits	13

Semester 5

PTAE-221	Seminar	2
PTAE-241	Clinical Affiliation 2	7
COMM-101	Introduction to Speech Communication	3
	Credits	12
	Total Credits	70

Course Key



GEM



WCHE



AAS



Gateway



Milestone

Institutionally
Designated

Program Outcomes

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

- Identify the role of the PTA in patient care.
- Identify indications, contraindications, precautions, safety considerations and expected outcomes of physical therapy treatments.
- Provide competent provision in therapeutic exercise, functional training, manual therapy techniques, application and adjustment of equipment and devices, airway clearance techniques, integumentary repair and protection, electrotherapeutic modalities, physical agents and mechanical modalities.
- Assess the response of the patient to interventions and modify techniques accordingly.
- Follow a prescribed treatment care plan to ensure patient progression throughout the rehabilitation process.
- Identify pertinent information in patient medical records and record data competently.
- Communicate pertinent information regarding patient care to the health care team.
- Promote health, wellness, and prevention in the practice environment and the community.

- Employ the principles of accountability, altruism, compassion and caring, cultural competence, duty, integrity, and social responsibility.
- Assume the responsibility for professional life-long 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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=67)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
MATH-170	Analytic Geometry and Calculus I   	4
MATH-175	Analytic Geometry and Calculus II	4
MATH-275	Analytic Geometry and Calculus III	4
MATH-335	Linear Algebra	3
MATH-370	Introductions to Ordinary Differential Equations	3
PHYS-211	Engineering Physics I  	5
PHYS-212	Engineering Physics II	5
Total Credits		63-65

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

Course Key



GEM



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Gateway



Milestone

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 Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=68)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ²	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
POLS-101	American National Government   	3
POLS-237	International Politics and Problems   	3
	Choose one additional Political Science course other than POLS-298.	3
Elective Requirements		
	Courses 100-level or higher	16-18
	Total Credits	60-64

¹ Specific math course should be tailored to the intended transfer institution.

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

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=69)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BACT-250	General Microbiology  	4
BIOL-115	Introduction to Life Sciences  	4
BIOL-227	Human Anatomy Physiology I With Cadaver  	4
BIOL-228	Human Anatomy Physiology II With Cadaver	4
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
MATH-170	Analytic Geometry and Calculus I   	4
PHYS-111	General Physics I   	4
PHYS-112	General Physics II	4
Total Credits		63-65

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

Course Key



GEM



WCHE



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Designated



Gateway



Milestone

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=70)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BACT-250	General Microbiology  	4
BIOL-115	Introduction to Life Sciences  	4
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
CHEM-277	Organic Chemistry I	3
CHEM-278	Organic Chemistry I Lab	1
CHEM-287	Organic Chemistry II	3
CHEM-288	Organic Chemistry II Lab	1
MATH-170	Analytic Geometry and Calculus I   	4
PHYS-111	General Physics I   	4
PHYS-112	General Physics II	4
Total Credits		63-65

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

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

PRE-NUTRITION (AS)

Associate of Science

Transfer Program

Interest Areas:

Healthcare

Science, Tech., Engr. and Math

Course Key



GEM



WCHE



AAS
Institutionally
Designated



Gateway



Milestone

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=71)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42) ¹		0
GEM 4 - Scientific Ways of Knowing (p. 42) ¹		0
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ¹		0
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
BACT-250	General Microbiology	4
BIOL-170	Introductory Foods	3
BIOL-170L	Introductory Foods Lab	1
BIOL-207	Concepts in Human Nutrition	3
BIOL-227	Human Anatomy Physiology I With Cadaver	4
BIOL-228	Human Anatomy Physiology II With Cadaver	4
CHEM-101	Introduction to Essentials of General Chemistry I	4
CHEM-275	Carbon Compounds	3
MATH-143	College Algebra	3
MATH-253	Principles of Applied Statistics	3
PSYC-101	Introduction to Psychology	3
PSYC-205	Developmental Psychology	3
SOC-101	Introduction to Sociology	3
Total Credits		60-62

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=72)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ¹	0
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BIOL-227	Human Anatomy Physiology I With Cadaver  	4
BIOL-228	Human Anatomy Physiology II With Cadaver	4
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
MATH-253	Principles of Applied Statistics   	3
PHYS-111	General Physics I   	4
PHYS-112	General Physics II	4
PSYC-101	Introduction to Psychology   	3
SOC-101	Introduction to Sociology   	3
Elective Requirements		

Courses 100-level or higher	6
Total Credits	60-62

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

Course Key



GEM



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Gateway



Milestone

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=73)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42) ¹	0
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43)	6
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
BIOL-115	Introduction to Life Sciences  	4
CHEM-111	Principles of General College Chemistry I   	5
CHEM-112	Principles of General College Chemistry II   	5
CHEM-277	Organic Chemistry I	3
CHEM-278	Organic Chemistry I Lab	1
PHYS-111	General Physics I   	4
PHYS-112	General Physics II	4
ZOOL-202	General Zoology   	4
MATH-160	Survey of Calculus   	4

or MATH-170 Analytic Geometry and Calculus I   

Elective Requirements

Courses 100-level or higher	1
Total Credits	60-62

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

Course Key



GEM



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Milestone

PSYCHOLOGY (AS)

Associate of Science

Transfer Program

Interest Areas:





Soc. Sciences and Human Svcs.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=74)














Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ²	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
MATH-253	Principles of Applied Statistics  	3
PSYC-101	Introduction to Psychology  	3
PSYC-218	Introduction to Research in the Behavioral Sciences	4
Select two of the following:		6
PSYC-205	Developmental Psychology	
PSYC-210	Psychology of Personality	
PSYC-211	Abnormal Psychology	
Elective Requirements		
Courses 100-level or higher		14
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

Code	Title	Credits
BIOL-175	Human Biology 	4
CHEM-100	Concepts of Chemistry I  	4
	or CHEM-101 Introduction to Essentials of General Chemistry I  	
COMM-220	Intro to Intercultural Communication  	3
COMM-233	Interpersonal Communication  	3
INTR-250J	Psychology of Marketing  	3
	or PHIL-201 Logic and Critical Thinking  	

Course Key



GEM



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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.

PUBLIC RELATIONS (AA)

Associate of Arts

Transfer Program











Interest Areas:

Arts, Comm. and Humanities

This program prepares students for careers in public relations or communication. Public relations is a strategic communication process that builds mutually beneficial relationships between organizations and their publics. The degree focus is on knowledge and skills essential in those areas. Courses within the degree emphasis focus on knowledge and skills essential to succeed in public relations, particularly strong writing skills. 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 Public Relations. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=87)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42)	3-5
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42) ¹	0
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ¹	0
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
COMJ-100	The Sentinel	1
COMJ-121	Introduction to Media Writing	3
COMJ-140	Mass Media in a Free Society  	3
COMJ-222	Modern Reporting	3
COMM-207	Dynamics of Social Media	3
COMM-220	Intro to Intercultural Communication  	3
COMM-233	Interpersonal Communication  	3
COMM-252	Introduction to Public Relations	3
PHTO-183	Introduction to Digital Photography	3
PHIL-101	Introduction to Philosophy  	3
or PHIL-103	Ethics  	
Elective Requirements		
	Courses 100-level or higher	8
Total Credits		60-64

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

Program Notes: COMM-252 Introduction to Public Relations is only offered during the spring semester, and all Public Relations

students are advised to enroll and complete the prerequisites class COMJ-121 Introduction to Media Writing, in the prior fall semester.

Recommended Courses

Code	Title	Credits
BUSA-221	Principles of Marketing	3
PHTO-289	Photojournalism	3

Program Outcomes

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

- Compose and edit news releases in an industry-approved format on a variety of platforms.
- Apply public relations theories and principles to create and conduct ethically sound and socially responsible public relations strategies and campaigns.
- Identify the principles and format styles of media writing and how they differ from traditional academic writing.
- Deliver dynamic presentations geared toward targeted and/or public audiences.
- Infuse the intellectual scope of a liberal arts education with the principles of public relations to create effective public relations campaigns and strategies.
- Prepare students for expectations of modern public relations practitioners.

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

SOCIAL WORK (AA)

Associate of Arts

Transfer Program



Interest Areas:

Soc. Sciences and Human Svcs.

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.






Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=77)



Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42)		6
GEM 6 - Social and Behavioral Ways of Knowing (p. 43) ¹		3
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
PSYC-101	Introduction to Psychology  	3
SOWK-240	Introduction to Social Work	3
SOWK-241	Social Work Generalist Practice	3
Elective Requirements		
Courses 100-level or higher		16-18
Total Credits		60-64

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

Recommended Courses

Code	Title	Credits
ANTH-225	Native People of North America	3
COMM-220	Intro to Intercultural Communication   	3
PSYC-205	Developmental Psychology	3
PSYC-211	Abnormal Psychology	3
SOC-101	Introduction to Sociology  	3

SOC-220	Marriage and Family  	3
SOC-251	Race and Ethnic Relations	3

Course Key



GEM



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Milestone

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-upon intervention goals and objectives.

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

SOCIOLOGY (AA)

Associate of Arts

Transfer Program











Interest Areas:

Soc. Sciences and Human Svcs.

Sociology is largely concerned with the study of American society and how it operates today. Graduates may work in society-related activities including sociology, social work, criminology, teaching, and a wide range of social service professions. 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 Sociology.

Program Website (<https://www.nic.edu/websites/default.aspx?dpt=187>)












Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1	Written Communication (p. 42)	6
GEM 2	Oral Communication (p. 42)	3
GEM 3	Mathematical Ways of Knowing (p. 42) ¹	0
GEM 4	Scientific Ways of Knowing (p. 42)	8
GEM 5	Humanistic and Artistic Ways of Knowing (p. 42)	6
GEM 6	Social and Behavioral Ways of Knowing (p. 43) ²	3
GEM 7	Institutionally Designated (p. 43)	4-6
Program Requirements		
MATH-253	Principles of Applied Statistics   	3
SOC-101	Introduction to Sociology   	3
SOC-102	Social Problems  	3
SOC-220	Marriage and Family  	3
or SOC-245	Introduction to Criminology	
SOC-251	Race and Ethnic Relations	3
or SOC-296	Introduction to Sociology of Gender	
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

Code	Title	Credits
AIST-101	American Indian Studies   	3
ANTH-100	Introduction to Anthropology   	3
ANTH-220	Peoples of the World  	3
SOC-103	Cultural Diversity	3
POLS-101	American National Government   	3

Course Key



GEM



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Milestone

Program Outcomes

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

- Summarize the perspectives, theories, methods and core concepts of the sociology.
- Demonstrate how impersonal social forces shape the lives of groups and individuals in society, including oneself.
- Utilize the sociological perspective to critically analyze and describe the relationships between social categories and groups, including age, class, ethnicity, gender, nationality, race, religion, and sexuality.
- 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.

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.

Admissions Requirements: Competitive Entry. For specific program requirements please refer to the program website.

Program Requirements

Course	Title	Credits
Semester 1		
CAOT-179	Medical Terminology	2
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
BIOL-175 or BIOL-228	Human Biology or Human Anatomy Physiology II With Cadaver	4
Select one of the following:		3
ENGL-101	English Composition	
ENGL-101P	English Composition	
Credits		12-14
Semester 2		
SURG-100	Introduction to Surgical Technology	2
BACT-250	General Microbiology	4
COMM-101	Introduction to Speech Communication	3
PSYC-101 or SOC-101	Introduction to Psychology or Introduction to Sociology	3
Credits		12
Semester 3		
SURG-105	Care of the Surgical Patient	2
SURG-120	Fundamentals of Surgical Technology I	6
SURG-120L	Fundamentals of Surgical Technology I Lab	0
SURG-130	Surgical Procedures I	4
Credits		12
Semester 4		
SURG-109	Pharmacology for the Surgical Technologist	2

SURG-121	Fundamentals of Surgical Technology II	3
SURG-121L	Fundamentals of Surgical Technology II Lab	0
SURG-131	Surgical Procedures II	4
SURG-140	Clinical Experience I	6
Credits		15
Semester 5		
SURG-141	Clinical Experience II	8
SURG-150	CST Exam Review/Leadership	3
Credits		11
Total Credits		62-64

Course Key



GEM



WCHE

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Gateway



Milestone

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 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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=79)

Program Requirements

Code	Title	Credits
General Education Requirements		
GEM 1 - Written Communication (p. 42)		6
GEM 2 - Oral Communication (p. 42)		3
GEM 3 - Mathematical Ways of Knowing (p. 42)		3-5
GEM 4 - Scientific Ways of Knowing (p. 42)		8
GEM 5 - Humanistic and Artistic Ways of Knowing (p. 42) ¹		3
GEM 6 - Social and Behavioral Ways of Knowing (p. 43)		6
GEM 7 - Institutionally Designated (p. 43)		4-6
Program Requirements		
THEA-101	Introduction to the Theatre   	3
THEA-102	Stage Makeup	3
THEA-103	Theatre Technology: Scenery, Lighting, and Sound	3
THEA-114	Theatre Technology: Costume Construction	3
THEA-115	Basics of Performance I	3
THEA-116	Basics of Performance II	3
THEA-190	Theatre Practice	1
THEA-201	Scene Design I	3
THEA-271	Play Analysis	3
Elective Requirements		
Courses 100-level or higher		3
Total Credits		61-65

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

Recommended Elective Course

Code	Title	Credits
COMM-103	Oral Interpretation	3

Course Key



GEM



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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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/80-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=80)

Program Requirements

Course	Title	Credits
Semester 1		
BLDR-120	Financial Business Applications	3
BUSA-101	Introduction to Business	3
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word I	1
CAOT-121	Word Processing/Word II	1
CAOT-122	Word Processing/Word III	1
CAOT-140	Database/Access I	1
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-166	Living Online for Technical Program	1
CAOT-183	Business Editing and Proofreading	3
	Credits	16
Semester 2		
CAOT-130	Spreadsheets/Excel I	1
CAOT-131	Spreadsheets/Excel II	1
CAOT-132	Spreadsheets/Excel III	1
CAOT-150	PowerPoint	1
CAOT-184	Records Systems Management	3
CAOT-205	Business Doc Formatting/Transcription	2
CAOT-210	Office Procedures	3
CAOT-220	Administrative Support Internship I	3
CAOT-250	Office Skills Capstone	1
	Credits	16
	Total Credits	32

Course Key



GEM



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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 usefulness 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.

WEB DESIGN (ATC)

Advanced Technical Certificate

Career-Technical Program

Interest Areas:

Arts, Comm. and Humanities

Business Admin. and Management

The Web Design program provides students with knowledge of how to design prototype and create compelling business, informational, educational and self-promotional websites. Students will use HTML, CSS, JavaScript, and other web technologies to create designs that meet professional standards for visual design content, user interactivity, usability, and accessibility. Students will produce designs that communicate structured hierarchies of information using industry-standard software applications. The first year of the program consists of fundamental graphic design courses. The second year of the program focuses on modern design skills for web professionals.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=81)

Program Requirements

Course	Title	Credits
Semester 1		
GDES-102	Survey of Graphic Design	3
GDES-130	Introduction to Apple Operating System (Mac OS)	1
GDES-131	Adobe Illustrator - Vector Graphics	3
GDES-141	Web Development Basics	3
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Select one of the following:		3-5
MCTE-101	Technical Mathematics	
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		
Credits		16-18
Semester 2		
GDES-120	Typography	2
GDES-132	Adobe Photoshop - Raster Graphics	3
GDES-221	Graphic Design I	3
GDES-255	Design Concepts for the Web	3
COMM-101	Introduction to Speech Communication	3
Credits		14
Semester 3		
GDES-222	Graphic Design II	3
GDES-225	Introduction to Digital Video	3
GDES-245	User Experience Design and Usability	3
GDES-260	Development for Mobile Devices	3
Credits		12
Semester 4		
GDES-258	Dom Scripting for Designers	3
GDES-261	Applied Web Development	3
GDES-283	Portfolio Development	3
GDES-290	Graphic Design Internship	3
Credits		12
Total Credits		54-56

Course Key



GEM



WCHE



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 the web design industry.
- Apply the principles of visual organization, composition, information hierarchy, symbolic representation, typography, and aesthetics to communication problems in order to create, develop and construct meaningful images.
- Use, integrate and gain fluency in the technical skills required of Web Designers through use of W3C standards, HTML, XHTML, HTML 5, Cascading Style Sheets, graphics and web animation.
- Apply technical and conceptual expertise in the creation of Web designs.
- Demonstrate, apply, and evaluate the principles of Web and interface design.
- Demonstrate the ability to present and critique concepts and designs and incorporate critiques into industry-ready Web designs.
- Make informed decisions about social and environmental issues, including ethical issues, concerning current web design, copyrights laws, and publishing.
- Apply basic business practices as they relate to real world design applications, including the ability to organize design projects and work productively as an individual, and as a member or leader of a web design team.

WEB DESIGN (AAS)

Associate of Applied Science

Career-Technical Program

Interest Areas:

Arts, Comm. and Humanities

Business Admin. and Management

The Web Design program provides students with knowledge of how to design prototype and create compelling business, informational, educational and self-promotional websites. Students will use HTML, CSS, JavaScript, and other web technologies to create designs that meet professional standards for visual design content, user interactivity, usability, and accessibility. Students will produce designs that communicate structured hierarchies of information using industry-standard software applications. The first year of the program consists of fundamental graphic design courses. The second year of the program focuses on modern design skills for web professionals.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=81)

Program Requirements

Course	Title	Credits
Semester 1		
GDES-102	Survey of Graphic Design	3
GDES-130	Introduction to Apple Operating System (Mac OS)	1
GDES-131	Adobe Illustrator - Vector Graphics	3
GDES-141	Web Development Basics	3
ENGL-101	English Composition	3
GEM 3 - A.A.S. Mathematical Ways of Knowing (p. 50)		3-5
	Credits	16-18
Semester 2		
GDES-120	Typography	2
GDES-132	Adobe Photoshop - Raster Graphics	3
GDES-221	Graphic Design I	3
GDES-255	Design Concepts for the Web	3
COMM-101	Introduction to Speech Communication	3
	Credits	14
Semester 3		
GDES-222	Graphic Design II	3
GDES-225	Introduction to Digital Video	3
GDES-245	User Experience Design and Usability	3
GDES-247	Social Media Design Strategies	2
GDES-260	Development for Mobile Devices	3
COMM-233	Interpersonal Communication	3
	Credits	17
Semester 4		
GDES-258	Dom Scripting for Designers	3
GDES-261	Applied Web Development	3
GDES-283	Portfolio Development	3
GDES-290	Graphic Design Internship	3
A.A.S. Institutionally Designated (p. 50)		3
	Credits	15
	Total Credits	62-64

Course Key



GEM



WCHE



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 the web design industry.
- Apply the principles of visual organization, composition, information hierarchy, symbolic representation, typography, and aesthetics to communication problems in order to create, develop and construct meaningful images.
- Use, integrate and gain fluency in the technical skills required of Web Designers through use of W3C standards, HTML, XHTML, HTML 5, Cascading Style Sheets, graphics and web animation.
- Apply technical and conceptual expertise in the creation of Web designs.
- Demonstrate, apply, and evaluate the principles of Web and interface design.
- Demonstrate the ability to present and critique concepts and designs and incorporate critiques into industry-ready Web designs.
- Make informed decisions about social and environmental issues, including ethical issues, concerning current web design, copyrights laws, and publishing.
- Apply basic business practices as they relate to real world design applications, including the ability to organize design projects and work productively as an individual, and as a member or leader of a web design 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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/82-CC1/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=82)

Program Requirements

Course	Title	Credits
Semester 1		
WELD-105	Welding Theory	2
WELD-112	Safety and Leadership	2
WELD-121	Blueprint Reading for Welders	2
WELD-187L	SMAW Practical	4
WELD-188L	Advanced SMAW Practical	1
WELD-197L	Oxy/Fuel Cutting Lab	1
MCTE-106	Technical Mathematics for Industrial Mechanic/ Millwright; HVAC; Welding	3
	Credits	15
Semester 2		
WELD-100B	Welding Theory	2
WELD-131	Advanced Blueprint Reading	3
WELD-182L	Welding Lab II	6
ATEC-117	Occupational Relations and Job Search	2
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
	Credits	16
	Total Credits	31

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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.
- Understand and demonstrate proper welding techniques in SMAW, GMAW, FCAW, OFC, CAC-A and PAC processes on structural steel.
- Read, interpret, and create welding blueprints and shop drawings that are used in the welding industry and in the lab environment.
- Read, 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.

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.

Gainful Employment Information (<https://www.nic.edu/programs/ge/82-CC2/Gedt.html>)

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=82)

Program Requirements

Course	Title	Credits
Semester 1		
WELD-105	Welding Theory	2
WELD-112	Safety and Leadership	2
WELD-121	Blueprint Reading for Welders	2
WELD-187L	SMAW Practical	4
WELD-188L	Advanced SMAW Practical	1
WELD-197L	Oxy/Fuel Cutting Lab	1
MCTE-106	Technical Mathematics for Industrial Mechanic/ Millwright; HVAC; Welding	3
	Credits	15
Semester 2		
ATEC-117	Occupational Relations and Job Search	2
WELD-100B	Welding Theory	2
WELD-131	Advanced Blueprint Reading	3
WELD-182L	Welding Lab II	6
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
	Credits	16
Semester 3		
WELD-225	Advanced Welding Theory	3
WELD-226	Layout/Mechanical Drawing	2
WELD-281L	Shielded Metal Arc Welding	7
	Credits	12
Semester 4		
WELD-227	Advanced Welding Theory II	3
WELD-228	Advanced Mechanical Drawing	3

WELD-291L	Gas Tungsten Arc Welding Lab	6
	Credits	12
	Total Credits	55

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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.
- Understand and demonstrate proper welding techniques in SMAW, GMAW, FCAW, OFC, CAC-A and PAC processes on structural steel.
- Read, interpret, and create welding blueprints and shop drawings that are used in the welding industry and in the lab environment.
- Read, 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.

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

- Understand and demonstrate the proper welding techniques in SMAW, FCAW, GMAW, GTAW, OFC, and CAC-a process on pipe.
- Explain and apply common principles and practices of welding metallurgy and its affects in the welding, heating, and cooling of different metals.
- Understand the concept of quality, and be able to produce quality welds per industry standards per quality control documents and codes.

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.

Program Website (https://www.nic.edu/programs/viewprogram.aspx?program_id=82)

Program Requirements

Course	Title	Credits
Semester 1		
WELD-105	Welding Theory	2
WELD-112	Safety and Leadership	2
WELD-121	Blueprint Reading for Welders	2
WELD-187L	SMAW Practical	4
WELD-188L	Advanced SMAW Practical	1
WELD-197L	Oxy/Fuel Cutting Lab	1
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	Credits	15-17
Semester 2		
WELD-100B	Welding Theory	2
WELD-131	Advanced Blueprint Reading	3
WELD-182L	Welding Lab II	6
ENGL-101	English Composition	3
	Credits	14
Semester 3		
COMM-101	Introduction to Speech Communication	3
WELD-225	Advanced Welding Theory	3
WELD-226	Layout/Mechanical Drawing	2
WELD-281L	Shielded Metal Arc Welding	7
A.A.S. Institutionally Designated (p. 50)		3
	Credits	18
Semester 4		
WELD-227	Advanced Welding Theory II	3
WELD-228	Advanced Mechanical Drawing	3
WELD-291L	Gas Tungsten Arc Welding Lab	6

GEM 6 - A.A.S. Social and Behavioral Ways of Knowing (p. 50)	3
Credits	15
Total Credits	62-64

Course Key



GEM



WCHE



AAS



Gateway



Milestone

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.
- Understand and demonstrate proper welding techniques in SMAW, GMAW, FCAW, OFC, CAC-A and PAC processes on structural steel.
- Read, interpret, and create welding blueprints and shop drawings that are used in the welding industry and in the lab environment.
- Read, 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.
- Understand and demonstrate the proper welding techniques in SMAW, FCAW, GMAW, GTAW, OFC, and CAC-a processes on pipe.
- Explain and apply common principles and practices of welding metallurgy and its affects in the welding, heating, and cooling of different metals.
- Understand 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.

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ACCOUNTING (ACCT)

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 Pro

3 Credits

Lecture: 3 hours per week

Offering: Fall and Spring Only, All Years

This course is an introduction to accounting and computers 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. Computerizing a manual accounting system will also be discussed.

Prerequisites: ACCT-110 or ACCT-201

ACCT-150 10-Key Skill Building

1 Credit

Lecture: 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: Fall, Spring, and Summer, 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 and Spring 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

Internship: 4 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

AEROSPACE TECHNOLOGY (AERO)

AERO-101 Aviation Science

3 Credits

Lecture: 2 hours per week, **Lab:** 2 hours per week

Offering: Fall Only, All Years

This course will provide a study of aeronautical mathematical applications, applied aeronautical physics principles, and drawing interpretation as required by the Federal Aviation Administration (FAA) for airframe mechanics.

AERO-110 Safety/OSHA

1 Credit

Lecture: 1 hour per week

Offering: Fall Only, All Years

This course will teach the fundamentals of health and safety in the workplace. Applicable safety regulations by OSHA and environmental requirements by the EPA will be understood. Safe handling of hazardous materials and disposal of hazardous wastes will be primary. Accident prevention will be emphasized. Instruction will also include basic first aid and fire safety. This course is designed to prepare students to safely perform the job functions of an aerospace composite technician in an accident free manner.

AERO-111 Blueprint Reading

2 Credits

Lecture: 2 hours per week

Offering: Fall and Spring Only, All Years

This course will teach basic aircraft blueprint reading skills. Topics will include lines and symbols, orthographic drawings, views, materials, form and position, title blocks, sketching, features, and sections. Students will learn a systematic approach to reading aircraft blueprints through actual manipulation of working drawings.

AERO-120 Introduction to Composites

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course will teach the materials and processes associated with polymer composite structures, components and design. Emphasis will be placed on material properties, manufacturing processes and safety.

AERO-121 Composite Fabrication Methods/Applications

2 Credits

Lecture: 1 hour per week, **Lab:** 2 hours per week

Offering: Fall Only, All Years

This course will teach the fundamentals of several fabrication methods. Processes will be applied including hand lay-up, bonding, vacuum bagging and vacuum assisted resin transfer molding. Emphasis will also be placed on composites safety and inspection/testing of composite components.

AERO-122 Composite Finish Trim

1 Credit

Lab: 2 hours per week

Offering: Fall Only, All Years

This course will teach students an understanding of the processes used to finish trim composites parts. Topics include safety, documentation, tools, procedures and inspection. Skills learned in theory sessions are transferred to the lab through projects.

Corequisites: AERO-123, AERO-130

AERO-123 Composite Assembly

2 Credits

Lab: 4 hours per week

Offering: Fall Only, All Years

This course will teach the fundamentals of joining composite structures. Adhesive bonding as well as mechanical fasteners is covered. Safety procedures are emphasized. Essentials elements of this course include the preparation of holes for mechanical fasteners and surface preparation for adhesive bonding. The course consists of theory and practical application and through hands-on projects.

Corequisites: AERO-122, AERO-130

AERO-130 Disassembly and Damage Removal Techniques

1 Credit

Lab: 2 hours per week

Offering: Fall Only, All Years

This course will teach students the knowledge required to safely and effectively prepare a part for repair. In the laboratory setting, students will learn to effectively removed finishes, disassemble and remove damaged composite material. Special attention is paid to developing students' tactile skills in all of these areas.

Corequisites: AERO-122, AERO-123

AERO-131 Composite Repair

2 Credits

Lab: 4 hours per week

Offering: Spring Only, All Years

This course provides students with the knowledge and application techniques used in general repairs with composite materials. Students complete multiple industry-based projects designed to challenge their skills with both wet lay-up and pre-impregnated composite materials.

Corequisites: AERO-133, AERO-142, AERO-143

AERO-133 Electrical Bonding Repair

1 Credit

Lab: 2 hours per week

Offering: Spring Only, All Years

This course provides students with the knowledge and skills used in electrical bonding composite repair. Students learn theory and application using secondary bonding techniques as it applied to manufacturer's specifications.

Prerequisites: AERO-110

Corequisites: AERO-131, AERO-142, AERO-143

AERO-141 Geometric Dimensioning and Tolerance**1 Credit****Lab:** 2 hours per week**Offering:** Spring Only, All Years

This course provides an understanding of the basic terms and principles of Geometric Dimensioning and Tolerance (GD&T) and its applications. The course provides students with the skills and knowledge necessary to identify GD&T symbols and how to interpret those symbols as applied to Aerospace Technology.

Prerequisites: AERO-110, AERO-111, AERO-120, AERO-121, AERO-122, AERO-123, AERO-130, MCTE-103 or an appropriate score on a placement test.

AERO-142 Composite Inspection**1 Credit****Lab:** 2 hours per week**Offering:** Spring Only, All Years

This course provides students with an understanding of the inspection process during repair procedures. Students learn the role of repair technicians in the inspection process while obtaining hands-on experience in basic Non-Destructive Testing techniques (NDT). Emphasis is placed on the importance of documentation and verification when inspecting repairs.

Prerequisites: AERO-110

Corequisites: AERO-131, AERO-133, AERO-143

AERO-143 Advanced Composite Repair**3 Credits****Lecture:** 1 hour per week, **Lab:** 4 hours per week**Offering:** Spring Only, All Years

This course provides students with hands-on experience working with structural composite repairs. Advanced repair techniques, materials and processes will be covered. Real life repairs on aircraft and on simulated aircraft parts will be accomplished utilizing industry standard equipment and materials.

Prerequisites: AERO-110

Corequisites: AERO-131, AERO-133, AERO-142

AERO-144 Basics of Quality Assurance**2 Credits****Lecture:** 2 hours per week**Offering:** Spring Only, All Years

This course will teach students the basics of bringing principles of quality assurance to the production of products or the delivery of a service to achieve quality and efficiency and to eliminate waste. This course will have projects to practice these principles.

AERO-150 Computer Numerical Control (CNC) Mill Basics**2 Credits****Lecture:** 2 hours per week**Offering:** Spring Only, All Years

This course will instruct students on the setup, programming and operation of vertical Computer Numerical Control (CNC) milling machines. Course will also touch upon the basics of programming in G-Code.

AERO-152 CNC Mill Setup and Operation**3 Credits****Lecture:** 1 hour per week, **Lab:** 4 hours per week**Offering:** Spring Only, All Years

This course will teach the setup and operation of a CNC (Computer Numerical Control) Mill including setting work and tool offsets, cutter and tool selection, calculation of speeds and feeds and machine maintenance. We will learn the basics of G-Code and applied math including Trigonometry. Learning to work safely will be emphasized. The course will be taught on Haas mills and simulators.

Corequisites: AERO-153, AERO-154

AERO-153 Aerospace CNC Mill Operation**3 Credits****Lecture:** 1 hour per week, **Lab:** 4 hours per week**Offering:** Spring Only, All Years

This course will teach the skills in operating a CNC (Computer Numerical Control) Mill, including the use of work-holding fixtures and vises, handwork, layout and inspection, along with programming with G-code. This course will teach the machining of aircraft alloys and composites.

Corequisites: AERO-152, AERO-154

AERO-154 5-Axis Mill Setup and Operation**3 Credits****Lecture:** 1 hour per week, **Lab:** 4 hours per week**Offering:** Spring Only, All Years

This course will teach the advanced skills in running CNC (Computer Numerical Control) milling machine, including multi-work coordinate setups, 5-axis, using a probe, advanced programming with G-code, and an introduction to Mastercam.

Corequisites: AERO-152, AERO-153

AERO-160 Introduction to 3-D Printing**3 Credits****Lecture:** 2 hours per week, **Lab:** 2 hours per week**Offering:** Fall Only, All Years

This course will give both theory and practical experience with 3-D printing. Students will become familiar with the function of 3-D printers, the mediums used in 3-D printing, and practical applications of this technology. Students will learn to design and produce simple parts using using appropriate software. This course will provide an understanding of 3-D printing from its origins to its future potential.

AERO-191 Visual Inspection**1 Credit****Lecture:** 0.5 hours per week, **Lab:** 1 hour per week**Offering:** Fall Only, All Years

This course will provide students with a basic knowledge and theory of visual inspection as a primary method. Students are given an overview of other nondestructive testing disciplines that complement visual inspection and they are selected based upon the application. It covers visual inspection techniques for interpretation of suspected defects with visible light, a magnifying glass, mirrors and other measuring tools when required. It includes lab time for hands-on learning to apply techniques. This course is taught in accordance with the American Society for Nondestructive Testing (ASNT) curriculum.

AERO-192 Liquid Penetrant**1 Credit**

Lecture: 0.5 hours per week, **Lab:** 1 hour per week

Offering: Fall Only, All Years

This course will provide students with a basic knowledge and theory of the liquid penetrant method. It will cover nondestructive liquid penetrant inspection techniques. Students will test for defects open to the surface in parts made of any nonporous material. This course is taught in accordance with the American Society for Nondestructive Testing (ASNT) curriculum.

AERO-193 Magnetic Particle**2 Credits**

Lecture: 1 hour per week, **Lab:** 2 hours per week

Offering: Fall Only, All Years

This course will provide students with a basic knowledge and theory of the magnetic particle method. Students will learn magnetic particle inspection methods for detecting surface and subsurface defects and other defects in ferromagnetic materials such as steel. With this method and hands-on lab time, students will learn to locate defects along with their approximate size and shape. This course is taught in accordance with the American Society for Nondestructive Testing (ASNT) curriculum.

AERO-194 Eddy Current**3 Credits**

Lecture: 2 hours per week, **Lab:** 2 hours per week

Offering: Fall Only, All Years

This course will provide students with a basic knowledge and theory of the eddy current method. Students will learn the use of electromagnetic testing equipment making it possible to locate defects in non-ferromagnetic materials (such as aluminum and stainless steel). Students will gain a basic knowledge of electromagnetic analysis through a broad spectrum of electronic test methods and hands-on lab time involving the intersection of magnetic fields and circulatory currents. This lecture/lab course satisfies a requirement as set forth by the American Society for Nondestructive Testing (ASNT) curriculum.

AERO-195 Ultrasonic**4 Credits**

Lecture: 2 hours per week, **Lab:** 4 hours per week

Offering: Fall Only, All Years

This course will provide students with a basic knowledge and theory of the ultrasonic testing method. Students will learn the use of ultrasonic detection equipment through lecture and hands-on training making it possible to locate internal defects in metal and composite materials. This course is taught in accordance with the American Society for Nondestructive Testing (ASNT) curriculum.

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.

Recommended Pre/Corequisites: ENGL-101 and ANTH-225

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. ANTH-225 is an interesting course for students curious about Native Americans and their relationship with the environment.

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.

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.

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 ASL Studies 3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course is an introduction to, and overview of, different possibilities for students who pursue a degree with emphasis on ASL Studies. Included is an explanation of the ASL Studies program at NIC and requirements, transfer options, and career paths related to the degree.

Recommended Prerequisites: ASL-184 and ENGL-101

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.

Prerequisites: ASL-201

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 Signing Professions**3 Credits****Lecture:** 3 hours per week**Offering:** Spring Only, All Years

This course introduces students to signing professions and discusses employment options, sign systems, and ethical considerations for signers and professionals. Emphasis is also placed on the specific history, philosophy, terminology, and principles related to the interpreting field.

Prerequisites: ASL-101**Recommended Prerequisites:** ENGL-101 or an appropriate score on a placement test.**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:** ENGL-101 and ASL-207

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 sub-fields 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-220 Peoples of the World

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.

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 Survey of 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: 2 hours per week

Offering: Fall and Spring Only, All Years

This course offers beginning experiences in the concepts of composition, line, value, form, perspective and texture, introduced through the use of still life, nature, and the model. The media used include charcoal, conte, pencil, and dry pastels. This course is also fundamental for the Graphic Design program and for transfer programs in fine arts and architecture. The concepts covered in this course will help students develop a visual vocabulary as well as a heightened ability to "see" and respond creatively.

ART-112 Drawing II

2 Credits

Lecture/Lab: 2 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

3 Credits

Lecture/Lab: 3 hours per week

Offering: Fall and Spring 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 I

3 Credits

Lecture/Lab: 3 hours per week

Offering: Fall and 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/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.

Prerequisites: ART-111, ART-112

ART-218 Life Drawing II

3 Credits

Lecture/Lab: 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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:** 3 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 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. Antilock 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.

Prerequisites: AUTO-111, AUTO-118, AUTO-119L, AUTO-124, AUTO-127, AUTO-129L, AUTO-231, AUTO-233, AUTO-235L**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.

Prerequisites: AUTO-111, AUTO-118, AUTO-119L, AUTO-124, AUTO-127, AUTO-129L, AUTO-231, AUTO-233, AUTO-235L**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.

Prerequisites: AUTO-111, AUTO-118, AUTO-119L, AUTO-124, AUTO-127, AUTO-129L, AUTO-231, AUTO-233, AUTO-235L**Corequisites:** AUTO-241, AUTO-243

AVIATION MAINTENANCE TECH (AERM)

AERM-102 Basic Electricity

3 Credits

Lecture: 1 hour per week, **Lab:** 6 hours per week

Offering: Spring Only, All Years

This course will provide students with a study of aircraft electrical systems and their requirements including the use of the ammeter, voltmeter, and ohmmeter; series and parallel circuits; inductance and capacitance; magnetism; converting alternating current (AC) to direct current (DC); controlling devices; maintenance and servicing of aircraft batteries; and reading and interpreting aircraft electrical diagrams to solid state devices and logic functions.

AERM-103 Weight and Balance

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course will provide students with an introduction to the study of the Federal Aviation Administration (FAA) required subjects relating to the weighing of aircraft, weight and balance calculations and appropriate maintenance record entries.

AERM-104 Shop Practices

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course will provide students with an introduction to shop safety, the correct use of hand tools, equipment and precision measurement, identification of aircraft hardware, and the fabrication of fluid lines and tubing. Procedures for testing, heat treating, and inspection of aircraft structures will also be addressed.

AERM-105 Ground Operations

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course will provide students with an introductory course in fuels, servicing methods, safety procedures, aircraft movement, securing and operations of aircraft, external power equipment, aircraft cleaning, and corrosion control.

AERM-106 Federal Aviation Regulations

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course will provide students with a study in the use and understanding of the Federal Aviation Administration (FAA) and aircraft manufacturers' publications, forms, and records. Students will learn data research and exercise and understand mechanic privileges and limitations.

AERM-201 Wood, Fabric, and Finishes

2 Credits

Lecture: 1 hour per week, **Lab:**

Offering: Spring Only, All Years

This course will provide students with a study in the use and care of various covering materials, finishes and wood structures including approved methods and procedures with emphasis on the correct use of chemicals.

AERM-202 Aircraft Sheet Metal

5 Credits

Lecture: 2 hours per week, **Lab:** 9 hours per week

Offering: Fall Only, All Years

This course will provide students with the skill development in inspection and repair of sheet metal structures including forming, lay out, and bending of sheet metal and identification, selection, and installation of rivets and fasteners.

AERM-203 Aircraft Composites

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course will provide students with a study of comprehensive concepts of the inspection and repair of composite, fabric, core, and laminated structural materials including doors, windows, bonded structures, and interior furnishings. Safety procedures to include the handling and storage of composite materials will also be addressed.

AERM-204 Aircraft Welding

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course will provide students with the skill development in repair procedures for steel, magnesium, brass, and aluminum materials. The selection and application of appropriate methods of welding, brazing, and soldering will be covered.

AERM-205 Assembly and Rigging

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course will provide students with a comprehensive study of the assembly and rigging of fixed and rotary-wing aircraft including structural alignment, balancing and rigging of control systems and assembly of aircraft components.

AERM-206 Airframe Inspection

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course will provide students with an in-depth coverage of methods and procedures to perform airframe conformity and air worthiness inspections (including One Hundred Hour Inspections) in accordance with Federal Aviation Regulations and manufacturer's service information.

Pre/Corequisites: AERM-201, AERM-202, AERM-203, AERM-204, AERM-205, AERM-211, AERM-212, AERM-213, AERM-215

AERM-211 Landing Gear Systems

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course will provide students with a study of the general principles of inspection, servicing, overhaul, and repair of fixed and retractable landing gear systems and the operation and repair of position and warning systems.

AERM-212 Hydraulics, Pneumatics and Fuel Systems

3 Credits

Lecture: 1 hour per week, **Lab:** 6 hours per week

Offering: Spring Only, All Years

This course will provide students with the skill development in inspecting, servicing and maintaining aircraft fluid systems including hydraulics, pneumatics, and fuel. Application of basic concepts through detailed maintenance procedures will be addressed.

AERM-213 Airframe Auxiliary Systems

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course will provide students with a comprehensive study of airframe auxiliary systems including cabin atmospheric control systems, ice and rain control systems for aircraft and engines and fire detection and protection systems.

AERM-214 Instruments, Navigation and Communication Systems

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course will provide students with a study of aircraft instruments and electronic flight instrument systems including testing and installing instruments; inspecting, checking, and troubleshooting navigation and communication systems; and inspecting and repairing antennas and electronic equipment installations.

AERM-215 Airframe Electrical Systems

3 Credits

Lecture: 1 hour per week, **Lab:** 6 hours per week

Offering: Fall Only, All Years

This course will provide students with a study of airframe electrical systems including installation, removal, disassembly, and repair of electrical components and related wiring.

Prerequisites: AERM-102

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 Fundamentals 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 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 notetaking, 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 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.

Prerequisites: BIOL-115

Corequisites: BIOL-221L

BIOL-227 Human Anatomy Physiology I With Cadaver

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. All aspects of life processes will be covered in a manner that should interest students wishing to take a science elective, as well as those in the health-related areas. The laboratory sessions require preserved cat dissection and identification of anatomical structures on a prosected cadaver.

Corequisites: BIOL-227L

Recommended Prerequisites: BIOL-100 or BIOL-175

BIOL-228 Human Anatomy 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. All aspects of life processes will be covered in a manner which should interest students wishing to take a science elective, as well as those in the health-related areas. The laboratory sessions require preserved cat dissection and identification of anatomical structures on a prosected cadaver.

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.

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:****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****Lecture:****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)

BUSA-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.

BUSA-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

BUSA-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.

BUSA-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.

BUSA-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.

BUSA-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.

BUSA-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: MATH-130, MATH-143, or MATH-147 or an appropriate score on a placement test.

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.

BLDR-222 Project Management

3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course is an overview of project management and focuses on developing project management skills. These skills will help students in their everyday lives as they work with people on projects in their organization.

BUSINESS MANAGEMENT (BMGT)

BMGT-256 Problem Solving/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.

CARDINAL LEARNING COMMONS (CLC)

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 and practical study techniques essential for academic success. This course emphasizes managing time, taking notes, reading textbooks efficiently, 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)

CARP-141 Introduction to Carpentry and Construction **3 Credits**

Lecture: 8 hours per week, **Lab:** 8 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

CARP-142 Safe and Savvy Tool Use **3 Credits**

Lecture: 8 hours per week, **Lab:** 8 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.

CARP-143 Blueprints for Carpenters **3 Credits**

Lecture: 2 hours per week, **Lab:** 2 hours per week
Offering: Fall Only, All Years

This course covers detailed interpretations of both residential and commercial blueprints, specific engineered shop drawings, models, sketches, and other representation of construction projects. Students will learn to identify and use critical building information contained in the plans, including accurate dimensioning and the meanings of architectural notations and symbols, especially as they apply to the construction of NIC's annual Really Big Raffle house, the Carpentry program's main yearly class project. Related and required municipal building codes are thoroughly covered as they apply to the raffle house construction. Classroom time includes a heavy construction math emphasis as the class does materials take-offs from a variety of plans and creates a materials list and budget for the raffle house. Laboratory time is spent practicing house layout procedures with a variety of plans, especially the current project house plans. On-site, the raffle house is located and laid out and preparations are made for excavation. As time permits, through the semester students independently plan, sketch, and lay out smaller projects and side jobs around the NIC campus and local Coeur d'Alene community. Note: This course is open to all students with instructor permission.

Prerequisites: CARP-141, CARP-142

Corequisites: CARP-144, CARP-145, CARP-146, CARP-146

CARP-144 Construction Materials, Equipment and Methods I

3 Credits

Lecture: 2 hours per week, **Lab:** 2 hours per week

Offering: Fall Only, All Years

This course covers a broad range of both current and timeless construction materials and methods with emphasis on problem solving, tool savvy and building techniques directly applicable to carpentry work on a residential construction site. The classroom curriculum includes a text and special calculator, classroom lecture, after-class research and assignments, field trips, websites and visitors from the community and industry. The laboratory time consists primarily of building NIC's Really Big Raffle house, with other projects around the NIC campus and local Coeur d'Alene community added as time permits. Special attention is given to all construction safety issues, especially tool use and OSHA standards. Sustainable, energy efficient green building practices are infused into all course curriculum. Note: This course is open to all students with instructor permission.

Prerequisites: CARP-141, CARP-142

Corequisites: CARP-143, CARP-145, CARP-146, CARP-147

CARP-145 All Things Concrete **2 Credits**

Lecture: 2 hours per week

Offering: Fall Only, All Years

This course is designed to impart knowledge about the characteristics of concrete as a building material, and its many forms and uses in construction. Concrete's chemical composition, specific terminology, estimating methods, and common related building codes are thoroughly covered. Aspects of site preparation, including soils and excavation knowledge, are also covered. This course is intended to give students the skills and knowledge to construct standard forms for footings, foundation stem walls, flatwork, and stairs. Skills and methods taught in class are practiced as students construct the required concrete forms and then place the concrete for NIC's annual Really Big Raffle house as part of CARP-147 - Residential Construction Lab I. Also covered are concrete's related products, including code required steel reinforcement, concrete masonry units (CMU's), insulated concrete forms (ICF's), and decorative concrete products such as stamped and colored concrete, manufactured stone veneers, bricks, blocks, and others. Course curriculum is delivered through classroom lecture, independent student research, class field trips, and cogent Internet websites on the carpentry classroom's big screen.

Prerequisites: CARP-141, CARP-142

Corequisites: CARP-147

Recommended Corequisites: CARP-143 and CARP-144

CARP-146 Framing Applications**2 Credits****Lecture:** 2 hours per week, **Lab:** 4 hours per week**Offering:** Fall Only, All Years

This course will teach students how to frame a residential structure from the foundation to the roof. Framing terminology, dimensional and manufactured lumber, floor frame systems, wall framing, roof framing, and truss systems are fully covered. A special construction calculator is required and used to determine and lay out walls, rafter cuts, and stairs. Advanced green framing techniques are explored and emphasized. Classroom topics include applicable building codes pertaining to framing, an array of available fastener systems, commercial metal stud framing, balloon framing, post and beam framing, sustainable green building practices, and the latest and greatest in construction methods. Skills, methods, and techniques taught in the classroom are practiced on NIC's annual "Really Big Raffle" house as a part of CARP-147 - Construction Methods Lab I.

Prerequisites: CARP-141, CARP-142, CARP-145**Corequisites:** CARP-143, CARP-144, CARP-147**CARP-147 Construction Methods Lab I****5 Credits****Lab:** 10 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 corequisite 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 NIC's annual "Really Big Raffle" house, with time made for other smaller projects and side jobs benefitting the NIC campus and the local Coeur d'Alene community. Work is most often completed by small groups of students using their own basic tools with ample opportunity for both leadership and team player roles. 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: Complete CARP-141 with a minimum grade of C-, Complete CARP-142 with a minimum grade of C-.**Corequisites:** CARP-143, CARP-144, CARP-145, CARP-146**CARP-154 Building Science****3 Credits****Lecture:** 2 hours 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 time will cover issues surrounding building science, including but not limited to types and strengths of construction materials, insulation, ventilation, rating and testing programs for building sustainability and livability and "green" building best practices. Special attention is paid to required codes and construction techniques as they apply to the carpentry program's class project, NIC's annual "Really Big Raffle" house. The laboratory component of CARP-154 will reinforce classroom building science theory with activities that center around completing the building envelope, including siding and window installation, air-infiltration sealing, and making way for professional subcontractors hired to complete the main house systems. Students will have ample opportunity to plan, observe and participate in all testing and inspection procedures, as well as work alongside the hired subs as the "building science" specific to the raffle house progresses. Classroom topics will closely precede/follow the actual activities and projects at the project house. Note: This course is open to all students with instructor permission.

Corequisites: CARP-155, CARP-156, CARP-157, CARP-158**CARP-155 Construction Materials, Equipment and Methods II****3 Credits****Lecture:** 2 hours per week, **Lab:** 2 hours per week**Offering:** Spring Only, All Years

This course covers the broad range of both current and timeless construction materials and methods introduced in CARP-144. Emphasis remains on problem solving, tool savvy and building techniques directly applicable to carpentry work on a construction site, but now especially as it relates to interior and exterior finish work, and building science topics. Classroom curriculum includes text and special calculators, classroom lecture, after-class research and assignments, field trips, on-line research, and visitors from the community and industry. Laboratory time continues to primarily consist of building, but especially finishing, NIC's annual "Really Big Raffle" house. Other projects around the NIC campus and local Coeur d'Alene community are added as time permits. Special attention is given to construction safety issues, especially tool use and OSHA standards. Sustainable, energy efficient green building practices are infused into all course curriculum.

Prerequisites: CARP-143, CARP-144, CARP-145, CARP-146, CARP-147**Corequisites:** CARP-154, CARP-156, CARP-157, CARP-158

CARP-156 Exterior Finish Carpentry**2 Credits****Lecture:** 2 hours per week, **Lab:** 4 hours per week**Offering:** Spring Only, All Years

This course applies exterior building finish theory from other or previous CARP courses (CARP-155 and entire first semester carpentry classes), directing students' mental and physical efforts at the program project "Really Big Raffle" house. Class time will deal with which and how much specific exterior building materials will be bought and how the class will install them. Particular emphasis will be placed on applicable codes and covenants, strong building science and the most current best construction practices. Main theory and activities include closing the building envelope, siding and window installation, roofing, exterior trim, concrete flatwork prep, decks and whatever else is required to complete the project house's exterior, making it ready for the painter (hired subcontractor) and the "Really Big Raffle."

Prerequisites: CARP-143, CARP-144, CARP-145, CARP-146, CARP-147**Corequisites:** CARP-154, CARP-155, CARP-157, CARP-158**CARP-157 Interior Finish Carpentry****2 Credits****Lecture:** 2 hours per week, **Lab:** 4 hours per week**Offering:** Spring Only, All Years

This course applies interior building finish theory from other or previous CARP courses (CARP-155 and entire first semester carpentry classes), directing students' mental and physical efforts at the the program project "Really Big Raffle" house. Class time will deal with which, and how much, specific interior finish materials will be bought and how the class will install them. Particular emphasis will be placed on applicable codes and covenants, strong building science and the most current best construction practices. Main theory and activities include prepping for sheetrock installation and painting (by others), learning about multiple construction trim tools and methods, hanging and trimming all doors, observe/assist the cabinet installation, lay out and construct stairs as well as whatever else is required to complete the project house's interior making it ready for the painter (hired subcontractor) and the "Really Big Raffle."

Prerequisites: CARP-143, CARP-144, CARP-145, CARP-146, CARP-147**Corequisites:** CARP-154, CARP-155, CARP-156, CARP-158**CARP-158 Construction Methods Lab II****5 Credits****Lab:** 10 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 corequisite 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 NIC's annual "Really Big Raffle" house, with time made for other smaller projects and side jobs benefiting the NIC campus and the local Coeur d'Alene community. Work is completed by individual and small groups of students using their own basic tools and ample opportunity for both leadership and team player roles. 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 door hanging and trimming. The term ends with a completed house ready for the "Really Big Raffle."

Prerequisites: CARP-143, CARP-144, CARP-145, CARP-146, CARP-147**Corequisites:** CARP-154, CARP-155, CARP-156, CARP-157**CARP-251 Carpentry Management I****4 Credits****Lecture:** 1 hour per week, **Lab:** 9 hours per week**Offering:** Fall Only, All Years

This course consists of weekly theory and field study. Students will obtain experience in planning and management of various construction projects that are part of the program's laboratory curriculum. Cost and materials estimating, advanced math concepts applied to construction projects, worksite issues/ethics, advanced communication skills, and construction scheduling and estimating are applied under supervision. In addition, advanced specialty construction skills will be addressed according to student's individual preferences. Weekly seminars will provide opportunities for students to share experiences, debrief, and obtain faculty assistance in applying theory concepts to field experience.

Prerequisites: CARP-141, CARP-142, CARP-143, CARP-144, CARP-145, CARP-146, CARP-147, CARP-154, CARP-155, CARP-156, CARP-157, CARP-158

CARP-252 Carpentry Management II**4 Credits**

Lecture: 1 hour per week, **Lab:** 9 hours per week

Offering: Spring Only, All Years

This course provides students with opportunities to further their skills in advanced carpentry techniques and to advance their supervisory skills through on-site supervision of students in the first-year Carpentry program. Students will continue to meet weekly to share experiences, debrief, and obtain faculty assistance in applying theory concepts to field experience.

During their supervised experience, students will be evaluated on their performance of program outcomes.

Prerequisites: CARP-141, CARP-142, CARP-143, CARP-144, CARP-145, CARP-146, CARP-147, CARP-154, CARP-155, CARP-156, CARP-157, CARP-158

CHEMISTRY (CHEM)

CHEM-100 **Concepts of Chemistry I** **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 Essentials of General Chemistry I** **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-105 **General, 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-105 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-105L

CHEM-111 **Principles of General College 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 at least one year of high school chemistry or CHEM-101.

Prerequisites: 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 and CHEM-111L

Corequisites: CHEM-112L

CHEM-253 **Quantitative Analysis** **5 Credits**

Lecture: 3 hours per week, **Lab:** 6 hours per week

Offering: Fall Only, 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 a two-semester sequence of a comprehensive study of the principles and theories 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 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: Spring Only, All Years

This course is a continuation of CHEM-277 and includes an introduction to biological molecules.

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 typically and atypically developing 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. Students will gain experience in observing, assessing, and documenting children's ideas and works. Self reflection and hands-on learning are vital components of this course. Some class sessions will be held at the NIC Children's Center to facilitate this process.

Prerequisites: CHD-134

CHD-235 Observation Assess

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course provides students with the skills necessary to observe, record, and interpret the behavior of young children.

Prerequisites: CHD-134

CHD-243 Early Childhood Education

3 Credits

Lecture: 3 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: 3 hours per week

Offering: Spring Only, All Years

This course examines techniques for understanding and effectively guiding the behavior of young children, both typically and atypically developing. Included are skills for managing classroom situations, encouraging conflict resolution, effective use of praise, preventing problems, promoting self esteem, and setting individualized goals for young children in a classroom setting.

Recommended Pre/Corequisites: CHD-134

CHD-298A Child Development Practicum A

3 Credits

Lecture: 3 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 and is the first of three 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.

Prerequisites: CHD-134

CHD-298B Child Development Practicum B**3 Credits****Lecture:** 3 hours per week**Offering:** Fall and Spring Only, All Years

This course offers continued experience working with young children in a supervised setting. Emphasis is on observing young children, using observation as a tool for creating classroom curriculum, and partnering with mentor teachers to practice reflective teaching. Students are encouraged to continue their lab experience at the NIC Children's Center or at a NIC Head Start program.

Prerequisites: CHD-134, CHD-298A**CHD-298C Child Development Practicum C****3 Credits****Lecture:** 3 hours per week**Offering:** Fall and Spring Only, All Years

This course is the final experience working directly with young children in a supervised setting in the NIC Children's Center, NIC Head Start program, or in an approved off-campus 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 C seminars will focus on professional roles and responsibilities in early childhood education and students will create a professional portfolio.

Prerequisites: CHD-134, CHD-298A**Pre/Corequisites:** CHD-298B**CHD-298D Child Development Practicum D****3 Credits****Lecture:** 3 hours per week**Offering:** Fall and Spring Only, All Years

This course is intended primarily for those students who have completed degree or certificate programs, but need ongoing college credit for professional development purposes. This may include those professionals seeking CDA Certificate renewal, Head Start staff, and community early childhood teachers who have already completed child development courses at NIC but need further skill and development in a particular domain. Topics of study and application will be individualized according to student and program need.

Prerequisites: CHD-134

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.

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: 22.5 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: 22.5 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: 7.5 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: 23 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:** 23 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.

COMMUNICATIONS - JOURNALISM (COMJ)

COMJ-100 The Sentinel

1-2 Credits

Lab: 1 hour 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

3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course provides practical experience learning and working with modern technology 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 by maintaining a blog throughout the semester. Students learn skills that prepare them for advancement to upper division journalism coursework or careers in publishing content on a variety of platforms.

Prerequisites: COMJ-121

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.

COMMUNICATIONS - SPEECH (COMM)

COMM-101 Introduction to Speech 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: ENGL-099 or an appropriate score on a placement test.

Recommended Prerequisites: ENGL-101

COMM-103 Oral Interpretation 3 Credits

Lecture: 3 hours per week

Offering: Fall 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. Use of an audio tape recorder is suggested.

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 Intro 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.

COMM-252 Introduction to Public Relations

3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course examines issues, tasks, and responsibilities of public relations practitioners in a variety of professional settings.

Public relations is a strategic communication process that builds mutually beneficial relationships between organizations and their publics. This course will cover the theories and foundations of public relations and provide an overview of the principles, strategies, and practices of the profession. Legal and ethical issues facing public relations professionals will also be addressed. Multiple writing assignments address basic requirements of public relations professionals.

Prerequisites: COMJ-121

COMPUTER AIDED DESIGN TECHNLGY (CADT)

CADT-102A Technical Sketching - Architectural Applications

2 Credits

Lecture: 1 hour per week, **Lab:** 2 hours per week

Offering: Fall Only, All Years

This course is an introduction to architectural design principles and applications including terminology and fundamentals, size and shape descriptions, projection methods, floor plans, elevation, views, and drawing reproduction processes.

CADT-104A CAD Graphics I - Architectural Applications

2 Credits

Lecture: 1 hour per week, **Lab:** 4 hours per week

Offering: Fall Only, All Years

This course is an introduction to the components utilized in CAD technology. The primary focus will be on learning the fundamental capabilities of the current CAD program and how it applies to architectural design principles and applications.

CADT-104M CAD Graphics I - Mechanical Applications

2 Credits

Lecture: 2 hours per week, **Lab:** 4 hours per week

Offering: Fall Only, All Years

This course is an introduction to the components utilized in Computer Aided Design (CAD) technology. The primary focus will be on learning the fundamental capabilities of the current CAD program and how they apply to mechanical design principles and applications. Concentrated efforts will be made to stress learning 2-D CAD commands and the importance of accuracy and clarity toward basic drawing solutions.

CADT-105 Descriptive Geometry

3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course will focus on developing the knowledge and skills necessary for solving problems using descriptive geometry. Students will develop line projections, true size and shape of lines or planes, and piercing points of lines and planes in space. In addition, they will develop skills in pattern development. 2-D CAD software will be used as the instructional platform. Concepts will be reinforced through hands-on activities that focus on theories discussed.

CADT-106A CAD Graphics II - Architectural Applications

2 Credits

Lecture: 2 hours per week, **Lab:** 4 hours per week

Offering: Fall Only, All Years

This course focuses on learning the advanced capabilities of the current CAD program and how it applies to architectural design principles and applications. This course is a continuation of CADT-104A CAD Graphics I - Architectural Applications.

Prerequisites: CADT-104A

CADT-106M CAD Graphics II - Mechanical Applications

2 Credits

Lecture: 2 hours per week, **Lab:** 4 hours per week

Offering: Fall Only, All Years

This course is a continuation of CADT-104M. The primary focus will be on learning advanced concepts of the current CAD program and how they apply to mechanical design principles and applications. Concentrated efforts will be made to stress learning CAD commands and the importance of accuracy and clarity towards basic drawing solutions.

Prerequisites: CADT-104M

CADT-109 Basic Mechanical Design

4 Credits

Lecture: 1 hour per week, **Lab:** 6 hours per week

Offering: Spring Only, All Years

This course will focus on learning contemporary documentary procedures toward 2-D mechanical working drawings in accordance with current industry standards. Students will use 2-D 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: CADT-104M, CADT-106M

CADT-131 Residential Architecture I

4 Credits

Lecture: 3 hours per week, **Lab:** 2 hours per week

Offering: Spring Only, All Years

This course is an introduction to residential construction techniques including terminology, media, line conventions, architectural lettering, scaling, floor plans, elevations, dimensioning techniques and building codes. Emphasis is placed on architectural standards. Various architectural CAD software applications will be utilized.

Prerequisites: CADT-106A

CADT-133 Commercial Architecture I

2 Credits

Lecture: 1 hour per week, **Lab:** 2 hours per week

Offering: Spring Only, All Years

This course is an introduction to commercial techniques including materials, equipment, fixtures, and building codes. Development of various working drawings will be included. Various architectural software applications will be utilized.

Prerequisites: CADT-106A

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.

Corequisites: 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**CADT-253 Industrial Processes****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. CADT-253 is an exploratory/hands-on learning environment and will be engaged in visiting local industries to gain understanding of industrial processes and their role in the product cycle process. Students will be introduced to rapid-prototyping and produce rapid-prototype parts.

CADT-254 Power Transmission**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: CADT-250, CADT-253, MCTE-101 or an appropriate score on a placement test.**Corequisites:** CADT-257, MATH-143, MATH-143D**CADT-255 Geometric Dimension and Tolerancing****3 Credits****Lecture:** 3 hours per week**Offering:** Fall Only, All Years

This course builds on the knowledge learned in CADT-109. 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: CADT-109**CADT-257 Advanced Mechanical Design****4 Credits****Lab:** 7.5 hours per week**Offering:** Spring Only, All Years

This course places further emphasis on learning Feature-based Parametric software for the creation of parts, assemblies, and drawings while gaining further knowledge in Computer Aided Design Technology. The primary focus of the course will be in combination of using parametric software towards design intent. Students will continue to produce actual parts through the cooperation of the NIC Machine Technology Program and will be expected to choose a final project of which they will design, develop, produce working drawings and present it to the class for their final grade. This final project will be at the students own expense.

Prerequisites: CADT-255

CADT-261 Statics and Strengths 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-101 or an appropriate score on a placement test.

COMPUTER APPL & OFFICE TECH (CAOT)

CAOT-115 Outlook

1 Credit

Internet: 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

Internet: 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 provides an introduction to 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

Internet: 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

Internet: 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

Internet: 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.

CAOT-131 Spreadsheets/Excel II

1 Credit

Internet: 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-132 Spreadsheets/Excel III

1 Credit

Internet: 1 hour per week

Offering: Fall and Spring Only, All Years

This course is a continuation of CAOT-131. This course provides additional spreadsheets functions including using what-if analyses, pivot tables, importing and exporting data, advanced worksheet management, and macros. 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

Internet: 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

Internet: 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****Internet:** 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****Internet:** 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****Internet:** 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 Program**1 Credit****Internet:** 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****Internet:** 3 hours per week**Offering:** Fall and Spring 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. Lecture/Lab: 2 hours per week.

CAOT-180 Legal Issues in Health Care**1 Credit****Lecture:** 1 hour per week**Offering:** Fall and Spring Only, All Years

This course provides an overview of the laws and ethical issues relevant to medical careers. Topics include medical practice acts and boards, risk management, basic elements of contract law, professional liability and medical malpractice, privacy, confidentiality and privileged communications, medical records and informed consent, and workplace legalities.

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:** Fall and 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 I****3 Credits****Internship:** 3 hours per week**Offering:** Fall and Spring Only, All Years

This course provides supervised training in medical receptionist skills through on-the-job experience in a medical-related office. It provides a practical application of medical receptionist skills as part of the learning process and involves approximately nine hours per week of in-office work.

Prerequisites: CAOT-179, CAOT-212**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 Doc 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.

Pre/Corequisites: CAOT-120**CAOT-216 Medical Transcription I****1 Credit****Lecture:** 1 hour per week**Offering:** Fall and Spring Only, All Years

This course is an introduction to transcribing recorded medical dictation and covers basic reports used in the medical field, related medical terminology, use of reference material, and specialized rules of grammar and punctuation peculiar to dictated medical reports. Emphasis is on the importance of correct usage of medical terms with an introduction to proofreading and editing of medical reports. Medical reports will be transcribed from four individual case studies covering the reproductive, musculoskeletal, cardiopulmonary, and integumentary body systems. Application testing is completed under timed conditions.

Prerequisites: CAOT-179, CAOT-205**CAOT-217 Medical Transcription II****1 Credit****Lecture:** 1 hour per week**Offering:** Fall and Spring Only, All Years

This course is a continuation of CAOT-216. Medical reports will be transcribed from six individual case studies covering the urinary, nervous, digestive, endocrine, lymphatic, and respiratory body systems. Prerequisite: CAOT-216; Students may enroll and complete these courses during the same semester.

CAOT-220 Administrative Support Internship I**3 Credits****Internship:** 3 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 Assistant Internship II**3 Credits****Internship:** 3 hours per week**Offering:** Fall, Spring, and Summer, All Years

This course is a continuation of CAOT-220.

Prerequisites: CAOT-220**CAOT-224 Medical Administrative Assistant Internship****3 Credits****Internship:** 3 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.

Prerequisites: CAOT-217**CAOT-225 Medical Billing Specialist Internship I****4 Credits****Internship:** 4 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.

Prerequisites: ACCT-110, CAOT-186**CAOT-226 Medical Billing Specialist Internship II****4 Credits****Internship:** 4 hours per week**Offering:** Fall, Spring, and Summer, All Years

This course is a continuation of CAOT-225.

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 TECH (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

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-116 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-124 TCP/IP Fundamentals**2 Credits****Lecture:** 0.5 hours per week, **Lab:** 4.5 hours per week**Offering:** Fall Only, All Years

This course offers an in-depth look at the various TCP/IP protocols that comprise today's converging communication technologies and data networks. This course is intended for students wishing to understand how communication and network protocols operate: programmers writing network applications, system administrators responsible for maintaining systems and networks utilizing the various protocols, and users who deal with network applications on a daily basis.

Recommended Prerequisites: CITE-118, CITE-121, and CITE-122**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-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-150 Introduction to Networking****3 Credits****Lecture:** 3 hours per week**Offering:** Spring Only, All Years

This course is designed to provide students with the background necessary to understand local area networking information including industry language, data communications protocols, and an overview of microcomputers and network user basics. Topics include operating systems, network operating systems, network card configuration, and installation needed for network connectivity. Hands-on exercises and scenario-based reviews are included with coverage of critical networking issues and concepts. This is a required course in the Computer Information Technology certificate program. This class is geared towards preparing students for Network+ Certification.

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.

Corequisites: CITE-213**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-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****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.

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 Intro to Computers 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 and 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 and Spring 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:** Fall and 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 and Spring 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

CREDIT FOR PRIOR LEARNING (CPL)

CPL-121 Introduction to Credit for Prior Learning

1 Credit

Lecture:

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:

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

Lecture:

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.

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

CULINARY ARTS (CULA)

CULA-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.

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 1 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, **Lab:** 3 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

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, **Lab:** 3 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

Lecture

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 III

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 III

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.

Recommended Prerequisites: DANC-113

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 satisfies 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.

Prerequisites: DANC-117

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.

DIESEL TECHNOLOGY (DSLTL)

DSLTL-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.

DSLTL-117L Diesel Lab 2 Credits

Lecture: 1 hour per week, **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 DSLTL 195 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.

DSLTL-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 DSLTL-123 theory class. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

DSLTL-124 Powertrain/Brake Systems 5 Credits

Lecture: 3 hours per week, **Lab:** 7 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: DSLTL-124L

DSLTL-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 DSLTL-124 theory class. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

Corequisites: DSLTL-124

DSLTL-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.

DSLTL-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.

DSLTL-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.

DSLTL-137 Suspension/Steering and A/C 2 Credits

Lecture: 8 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 will include spring, pad, and air components, adjustments, and alignment procedure for truck steering systems. Instruction also covers the theory, operation, components, and repair of mobile air conditioning systems.

Corequisites: DSLTL-117L

DSLTL-203 Basic Hydraulic Systems 2 Credits

Lecture: 2 hours per week
Offering: Spring Only, All Years

This course covers basic hydraulic system principles and concepts, plus hydraulic components. Exposure to simple hydraulic formulas will also be covered.

DSLTL-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: DSLTL-223L

Recommended Prerequisites: DSLTL-133

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 Economics (Macro)****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.

Recommended Prerequisites: MATH-108 or two years of high school algebra.**ECON-202**    **Principles of Economics (Micro)****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 MATH-108

EDUCATION (EDUC)

EDUC-201 Introduction to Teaching

3 Credits

Lecture: 2 hours per week, **Lab:** 1 hour 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)

ELECTRONIC MEDICAL RECORDS (EMRS)

EMRS-122 Installing Configuring EHRs

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course provides instruction in installation and maintenance of health IT systems, including testing prior to implementation. The course also provides an introduction to principles underlying system configuration, and hands-on experiences in computer labs or on a virtual server addressing approaches to assessing, selecting, and configuring EHRs/EMRs to meet the specific needs of customers and end-users.

Prerequisites: CAOT-140, CAOT-168

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 and Spring 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-099 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: Appropriate score on a placement test.

ENGL-101 English Composition

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: ECTE-100, ENGL-099, ESL-101 or an appropriate score on a placement test.

ENGL-101P English Composition

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: ENGL-099, ESL-101 or an appropriate score on a placement test.

Corequisites: ENGL-114C

ENGL-102 English Composition

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 English Composition

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-102

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, Spring, and Summer, 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   **Introduction to Literature****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-099 or an appropriate score on a placement test.

Recommended Prerequisites: ENGL-101

ENGL-205 Interdisciplinary Writing**3 Credits****Lecture:** 3 hours per week**Offering:** Fall Only, Even 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 both Greek myths and themes common to all Western mythologies, particularly those of the hero quest. This course includes the study of a variety of stories, poems, plays, and films, and focuses on learning to identify the mythological elements at work within them. Mythology creates an awareness and appreciation of mythological stories and themes as a base for much of our literature and art; therefore, it enhances literary and artistic experiences.

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    **Survey of American Literature**
3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course is a study of selected historical documents, journals, essays, poetry, and fiction illustrating the development of American literary ideas, values, and philosophy from the Colonial Period (1620) to the end of the Civil War (1865).

Prerequisites: ENGL-101 or an appropriate score on a placement test.

ENGL-278    **Survey of American Literature**
3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course is a study of selected historical documents, journals, essays, poetry, fiction, and drama illustrating the development of American literary ideas, values, and philosophy from the Civil War (1865) to the present.

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.

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 AS A SECOND LANGUAGE (ESL)

ESL-100 Engl As a 2nd Lang

4 Credits

Lecture: 4 hours per week

Offering: Fall Only, All Years

This course is an intensive review of the grammar and sentence structures of written English. Particular attention is given to complex verb forms, verbal phrases, models, preposition, modifiers, and basic sentence strategies. Attendance at the language laboratory is required. This course prepares students to compete successfully with native English speakers in an academic setting and provides an important language base for students planning to enter English composition courses. Students must have earned a minimum score of 500 on the Test of English as a Foreign Language (TOEFL). The course may be repeated for a total of eight credits. Placement is determined by instructor.

ESL-101 ESL Composition

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course helps non-native English speakers to understand and produce the kind of academic writing required in college. Emphasis is on the most common and effective formats of academic writing and on editing for accuracy of expression, grammar, and sentence structure. This course is valuable for building fluency in written expression. It prepares students for success in competing with native English speakers in college writing courses. A working knowledge of English grammar and basic sentence strategies is required. Students must have earned a minimum score of 500 on the Test of English as a Foreign Language (TOEFL). The course may be repeated for a total of eight credits. Placement is determined by instructor.

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. Note: This course must be taken either as a prerequisite to ENTP-115, ENTP-125, and ENTP-135 or concurrently in the first semester of coursework.

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, ENTP-115 and/or ENTP-125 or the plans business owners are currently using while operating their businesses. The areas covered in this course include refining and further developing a business plan, 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-115 and ENTP-125

ENVIRONMENTAL SCIENCE (ENSI)

ENSI-119 Introduction to Environmental Science

4 Credits

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

3 Credits

Lecture: 3 hours per week, **Lab:** 2 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

1-48 Credits

Lecture:

This course will transcript the non-credit Idaho State Fire Fighters certification courses to 48 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.

Lecture: 622 hours Lab: 222 hours.

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.

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.

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 INFO SCIENCE & TECH (GIST)

GIST-271  **Introduction to Geographic Information Science and Technology Using Geographic Information Systems (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

Recommended Pre/Corequisites: GEOL-101

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: Spring 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-130, 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 trouble shooting 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 Design software program. Students are introduced to basic hardware and software, standard input and output devices, and basic troubleshooting in a graphic design environment. Students will explore the fundamental concepts associated with 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 Development Basics

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-213 Digital Illustration

2 Credits

Lecture: 1 hour per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course is a digital drawing fundamentals lab for graphic designers that includes working with a stylus and tablet, introduction to various media techniques, and conceptual integration with design and layout tools to achieve a knowledgeable broad project overview from start to finish. Students will be introduced to tools and digital paradigms used by working professionals in creating digital visuals in a timely manner applicable to graphic design, web, game design and video production. This course is meant to develop hands-on experience within a series of five projects constructed in class.

Prerequisites: GDES-132, GDES-133

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-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-251 Prepress Production and Management****3 Credits****Lecture:** 2 hours per week, **Lab:** 3 hours per week**Offering:** Spring Only, All Years

This course provides a systematic introduction to the complex print production process and 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. By taking a step-by-step approach through simple, straightforward projects and examples, students will gain a better understanding of the essentials of digital color prepress. Effective prepress preparations will ensure high-quality printed output, including document structure, as well as efficient management of print production workflow from concept through execution and digital output production costs and distribution. Students will learn which type of software to use for optimal results at each stage of the prepress production process.

Prerequisites: GDES-222

GDES-255 Design Concepts for the Web**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 Development Basics 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.

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-260 Development for Mobile Devices****3 Credits****Lecture:** 2 hours per week, **Lab:** 3 hours per week**Offering:** Fall Only, All Years

This course is designed to bring students up to speed on designing for a smaller platform, namely mobile phones and handheld devices. Students will build upon foundational CSS to achieve adaptive layouts based on minimal viewports and discuss the importance of supporting this audience segment.

Prerequisites: GDES-255**Corequisites:** 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 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-260**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-133**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.

Prerequisites: 26 credits (level 100 or higher)

HEALTHCARE INFORMATICS (HCIT)

HCIT-101 Health Information I

4 Credits

Lecture: 4 hours per week

Offering: Fall and Spring 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-110 SQL Fundamentals

3 Credits

Internet: 3 hours per week

Offering: Fall Only, All Years

This course teaches students the fundamentals of database structure and SQL (Structured Query Language). They learn techniques useful for querying databases and they learn to apply their skills in realistic scenarios extracting data and organizing it into meaningful information. Students gain experience with database servers and client tools. Recommended: Familiarity with spreadsheets or databases.

Recommended Prerequisites: CAOT-130, CAOT-140

HCIT-210 Health IT Customer Service

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course covers the development of skills necessary to communicate effectively across the full range of roles that will be encountered in health care and public health settings. This course also introduces how to use Lean Six Sigma decision-making processes, team-building principles and efficiency-boosting tools to do more without increasing costs.

Prerequisites: CAOT-168

HCIT-220 Healthcare Computer Technician Internship

3 Credits

Internship: 9 hours per week

Offering: Fall, Spring, and Summer, All Years

This course provides the sophomore student of the HCIT program supervised, structured training in healthcare computer technician skills through on-the-job experience in a healthcare-related facility. 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. Students are responsible for finding an appropriate internship site and permission of the instructor is required. This is a required course in the Healthcare Computer Technician program and is graded on a satisfactory/unsatisfactory basis.

Prerequisites: CAOT-168, CAOT-180, CITE-122, HCIT-101

Pre/Corequisites: HCIT-210

HEATING/VENTILATION/AC/ REFRIG (HVAC)

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 psychometrics, 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 History of Civilization to 1500

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 History of Civilization Since 1500

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 U.S. History to 1876

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 U.S. History After 1876

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-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-211 History of the Americas I: First Peoples And Colonial Period

3 Credits

Lecture: 3 hours per week

Offering: Fall and Spring 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.

Prerequisites: ENGL-101

HIST-212 History of the Americas II: Since Independence

3 Credits

Lecture: 3 hours per week

Offering: Fall and 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.

Pre/Corequisites: ENGL-101

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.

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.

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.

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 Management

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.

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 check-out 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.

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.

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.

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:** 4 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).

HOSP-290 Hospitality Field Experience**3 Credits****Lecture:** 3 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 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.

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.

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 INQUIRY (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.

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

Internet: 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 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)

INTR-250M    **Eastern Europe: Society Through Film**
3 Credits




Lecture: 3 hours per week

Offering: Fall Only, All Years

This course explores the politics and social history of Eastern Europe through the analysis of motion picture media. Drawing upon social science context and research methods, various topics will be presented as they correspond with issues presented by key Eastern European films. Such topics include: foreign occupation, Sovietization, political economy, political movements, regime change, cultural and religious identity, separatism, civil wars and contemporary political institutions.

Prerequisites: 30 credits (level 100 or higher)

Recommended Prerequisites: ENGL-102, History or Political Science course

INTR-250N    **Mathematics and Aesthetics of Musical Tuning**
3 Credits




Lecture: 3 hours per week

Offering: Spring Only, All Years

This course will track the development of musical tuning from the ancient world through the advent of equal temperament. Students will examine the philosophical and aesthetic implication of these changes in terms of musical performance, our mathematical understanding of the world, and our world view in general. What is elegant? What is consonant? What is ugly? What is dissonant, chaotic, or asymmetric?.

Prerequisites: 30 credits (level 100 or higher)

Recommended Prerequisites: College-level Math or Physics course

INTR-250O    **Leadership in Interprofessional Healthcare**
3 Credits

Lecture: 3 hours per week

Offering: Fall and Spring Only, All Years

This course prepares students across disciplines to work collaboratively to address issues in healthcare. Students will analyze how various forces in healthcare drive change. Topics include economics, evidence-based practice, quality improvement, and a culture of safety. Students will work collaboratively to solve problems in patient case studies and examine contributions across disciplines. Students will reflect on their learning processes and how they can utilize communication, teamwork, leadership, and change management skills effectively to contribute to solving issues.

Prerequisites: 30 credits (level 100 or higher)

INTR-250P    **Common Read**
3 Credits

Lecture: 3 hours per week

Offering: Fall, Spring, and Summer, All Years

This course focuses on the Common Read, a book chosen to represent a two-year campus-wide theme to encourage diversity awareness, critical thinking on ideas from the book, and dialog about social, cultural, economic, political, and other aspects of the book for readers, including students, members of the NIC community, and the wider world. The emphasis of the course will vary depending on the faculty teaching it, reflecting their disciplinary expertise, and the selected materials adopted for exploration of the book.

Prerequisites: 30 credits (level 100 or higher)

INTR-290 Internship
1-8 Credits

Lecture: 1 hour per week

Offering: Fall and Spring Only, All Years

This course is an off-campus experience designed to give students the opportunity to apply their chosen areas of interdisciplinary study to specific community-related or employment-related situations. Internships are overseen by a faculty member either in the interdisciplinary studies program or in one of the student's main areas of study. Eight credits maximum can be applied toward graduation. Instructor permission required.

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.

Corequisites: MACH-151L, MACH-171

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 Theory I**5 Credits****Lecture:** 2 hours per week, **Lab:** 3 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:** 2 hours per week, **Lab:** 3 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 MECH/ 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, 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, 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: 22 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 important skill building in basic computational skills, the language of mathematics, and problem solving required for pre-college level math courses. Students will be able to apply principles of whole number operations, fractions, decimals, percents, integers, ratios and proportions, and algebraic equations.

Prerequisites: 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 and graphing 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 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.

Pre/Corequisites: CLC-101

MATH-108 Intermediate Algebra

4 Credits

Lecture: 4 hours per week

Offering: Fall, Spring, and Summer, All Years

This course provides development of algebraic concepts beyond MATH-025 or first year high school algebra. Students will be able to apply principles of linear, quadratic, and rational equations, radicals, circles and parabolas, complex numbers, functions, exponents, and logarithms. MATH-108 develops skills necessary for success in algebra-based, college-level math courses.

Note: MATH-108 carries no credit if taken after successful completion of higher numbered math courses with the exception of MATH-123 or MATH-130.

Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.

MATH-123 Contemporary Mathematics

3 Credits

Lecture/Lab: 4 hours 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-130 Finite Mathematics

4 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-143 College Algebra

3 Credits

Lecture: 3 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 equations, functions and their inverses, graphs, systems of equations, complex numbers, sequences, and exponential and logarithmic functions. MATH-143 along with MATH-144 prepares students for traditional calculus courses which are required for degrees in mathematics, engineering, computer science, physics, chemistry, and other STEM related fields. Note: The combination of MATH-143 and MATH-144 may be used in place of MATH-147 as the prerequisite for MATH-170.

Prerequisites: MATH-108 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    **Pre-Calculus****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-157 Mathematics for Elementary School Teachers I****3 Credits****Lecture:** 3 hours per week, **Lab:** 1 hour per week**Offering:** Fall and 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. Students will be able to apply principles and concepts of basic arithmetic operations on the set of real numbers. MATH -157 is required for elementary teacher certification by the State of Idaho.

Prerequisites: MATH-143 or MATH-147 or an appropriate score on a placement test.**MATH-160**    **Survey of Calculus****4 Credits****Lecture:** 4 hours per week**Offering:** Fall and 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**    **Analytic Geometry and 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:** Fall, Spring, and Summer, 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**MATH-370 Introductions to Ordinary Differential Equations****3 Credits****Lecture:** 3 hours per week**Offering:** Fall and Spring Only, All Years

This course addresses first, second, and higher order differential equations. Students will be able to apply a variety of techniques to solve ordinary differential equations, and systems of linear and non-linear equations. MATH-370 is intended for students seeking degrees in mathematics, physics, or engineering.

Prerequisites: MATH-175

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 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 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 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 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, pneumatics, industrial wiring, AC and DC motors and related systems, sensors, solenoids, and component adjustments.

Corequisites: MECH-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 Programmable Logic Controllers I

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course introduces the fundamentals of programmable logic controllers and the related systems, including theory concepts, operation, basic programming, troubleshooting, testing, and repair procedures.

Corequisites: MECH-210, MECH-210L

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, solenoids, 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.

MECH-221 Advanced Programmable Logic Controllers II

3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course is a continuation of MECH-211 for programmable logic controllers and the related systems, including theory concepts, operation, basic programming, troubleshooting, testing, and repair procedures.

Corequisites: MECH-220, MECH-220L

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

Lab: 4.5 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: Spring 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 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: 2 hours per week, **Internship:** 24 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: 6 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-220 Medical Microbiology

5 Credits

Lecture: 5 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 clinical lab.

Corequisites: MLT-224

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-223 Immunology and Molecular Techniques

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course offers an overview of the fundamentals of clinical 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.

Corequisites: MLT-224

MLT-224 Advanced Medical Laboratory Technology

Student Lab Practice

3 Credits

Lecture: 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.

Pre/Corequisites: MLT-112, MLT-124, MLT-214, MLT-218, MLT-220, MLT-222, MLT-223, MLT-225

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-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.

Pre/Corequisites: MLT-100, MLT-112, MLT-124, MLT-214, MLT-218, MLT-220, MLT-222, MLT-223, MLT-224, MLT-225, MLT-291, MLT-292**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.

Pre/Corequisites: MLT-100, MLT-112, MLT-124, MLT-214, MLT-218, MLT-220, MLT-222, MLT-223, MLT-224, MLT-225**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.

Pre/Corequisites: MLT-100, MLT-112, MLT-124, MLT-214, MLT-218, MLT-220, MLT-222, MLT-223, MLT-224, MLT-225, MLT-291

MILITARY SCIENCE - ARMY (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 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 qualification. 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: 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 Management

2 Credits

Lecture: 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 Management

2 Credits

Lecture: 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

Lecture: 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:** 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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: 2 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 Voice**2-4 Credits****Lecture/Lab:** 2 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 Piano****2-4 Credits****Lecture/Lab:** 2 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 Jazz Piano****2-4 Credits****Lecture/Lab:** 2 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 General Guitar****2-4 Credits****Lecture/Lab:** 2 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 Classical Guitar****2-4 Credits****Lecture/Lab:** 2 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 Flute****2-4 Credits****Lecture/Lab:** 2 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 Oboe****2-4 Credits****Lecture/Lab:** 2 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 Clarinet****2-4 Credits****Lecture/Lab:** 2 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 Saxophone****2-4 Credits****Lecture/Lab:** 2 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 Bassoon****2-4 Credits****Lecture/Lab:** 2 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 Trumpet**2-4 Credits****Lecture/Lab:** 2 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 Horn****2-4 Credits****Lecture/Lab:** 2 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 Trombone****2-4 Credits****Lecture/Lab:** 2 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 Euphonium****2-4 Credits****Lecture/Lab:** 2 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 Tuba****2-4 Credits****Lecture/Lab:** 2 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 Violin****2-4 Credits****Lecture/Lab:** 2 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 Viola****2-4 Credits****Lecture/Lab:** 2 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 Cello****2-4 Credits****Lecture/Lab:** 2 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 String Bass****2-4 Credits****Lecture/Lab:** 2 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 Electric Bass****2-4 Credits****Lecture/Lab:** 2 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 Percussion**2-4 Credits****Lecture/Lab:** 2 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 Harp****2-4 Credits****Lecture/Lab:** 2 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 Composition****2-4 Credits****Lecture/Lab:** 2 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.

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, transposition, 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 Laboratory

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 Theory Lab II

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 Laboratory

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 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 (MUSH)

MUSH-101 Survey of 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.

MUSH-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.

MUSH-163 Survey of World Music

3 Credits

Lecture: 3 hours per week

Offering: Fall, Spring, and Summer, All Years

This course explores several musical cultures throughout the world, including but not limited to Africa, the Americas, Asia, Near East, Europe and South Pacific. The course is designed to enhance students' appreciation for the diversity of music throughout the world as well as the people that perform it. Students gain an understanding of features in the music that distinguish one style from another and the cultural and social-historical factors that shape the development of music. Lectures, films, recordings and live presentations assist students in their understanding of course topics. Although knowledge of music is helpful, a music background is not required for this course.

MUSIC - PERFORMANCE (MUSP)

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-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-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:** 2 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: 22 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: 1 hour 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-215

Pre/Corequisites: BIOL-228, SOC-101

NURS-235 Psychiatric Mental Health Nursing With Lab

1 Credit

Lecture: 1 hour per week, **Lab:** 1 hour 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: GEM 5 Course, NURS-240, NURS-260, NURS-265**Corequisites:** INTR-2500, 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**NURS-294 Nursing Practice IV****8 Credits****Lecture:****Offering:** Fall and Spring Only, All Years

This course focuses on providing nursing care at any of the six levels of health care: preventative, primary, secondary, tertiary, restorative, and continuing care. The course also focuses on providing nursing care for persons and families experiencing pregnancy and childbirth. The course emphasizes the development of critical thinking and the development of competencies required to provide care for individuals, families, and groups of patients in a variety of health care settings. Learning experiences take place in acute care and long term care facilities, and community health care settings. The hallmark of this course is the precepting experience which provides the student opportunities to develop competencies in providing care, clinical decision making, collaborating with other health care providers, and professional development.

Prerequisites: NURS-290**Corequisites:** ENGL-114A, NURS-294L

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-110, 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

PHARMACEUTICAL MANUFACTURING (PHMF)

PHMF-100 Pharmaceutical Manufacturing Principles

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course offers an introduction to manufacturing principles. These principles are applied to pharmaceutical manufacturing, but can also be applied more generally to production settings. Participants will see how the intersection of logistics, production, engineering, and quality meet to produce products satisfying business requirements.

PHMF-105 Pharmaceutical Quality Systems and

Regulations

2 Credits

Lecture: 2 hours per week

Offering: Spring Only, All Years

This course offers an introduction to the regulatory process for the pharmaceutical industry. Students will gain insight into how drugs are regulated and how their manufacturing is controlled to ensure patient safety. An introduction to Good Manufacturing Practices (GMP) will help students understand what quality systems are required and how they benefit/protect the patient.

PHARMACY TECHNOLOGY (PHAR)

PHAR-110 Pharmacy Law and Ethics

2 Credits

Lecture: 2 hours per week

Offering: Fall Only, All Years

This course provides the student with an introduction to federal and state laws regulating the practice of pharmacy. Special emphasis is given to the areas of state law for Idaho and Washington regulating the activities of the technician. This course includes a focus on recordkeeping and medical ethics to better fulfill the technical needs of the students and bring the program in line with national standards.

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).

PHAR-161 Extemporaneous Compounding and IV Certification

3 Credits

Lecture: 1.5 hours per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course is designed to train pharmacy technicians in the latest practices and equipment used in extemporaneous compounding, sterile product preparation and aseptic technique. Upon successful completion of the course the pharmacy technician will be eligible for National Certification through NPTA in IV/Sterile Products and Compounding.

Corequisites: PHAR-161L

PHAR-161L Extemporaneous Compounding and IV Certification Lab

0 Credits

Lecture:

Offering: Spring Only, All Years

This course is a corequisite lab for PHAR-161.

PHAR-171 Applied Pharmacy Technology I

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course is designed to provide students with background information and knowledge about pharmacy practice in a variety of settings including ambulatory, home care and institutional pharmacy. Overviews of prescription processing and filling in both ambulatory and institutional settings will be covered. Students will develop entry level skills for prescription interpretation and processing by completing both paper and electronic assignments. In addition to prescription processing other topics that will be covered include the following: role of the pharmacist versus the technician, dosage forms, routes of administration, drug/medical abbreviations, insurance billing, drug information, medication errors, purchasing and inventory control, computer technology, professionalism, and customer service. The knowledge base and skills developed in this course will focus toward preparing students for their practicum experience during Spring Semester.

Corequisites: PHAR-171L

PHAR-171L Applied Pharmacy Tech I Lab

0 Credits

Lab:

Offering: Fall Only, All Years

This course is a corequisite lab for PHAR-171.

PHAR-172 Applied Pharmacy Tech II

2 Credits

Lecture: 1 hour per week, **Lab:** 2 hours per week

Offering: Spring Only, All Years

This course continues to provide students with the knowledge and skills necessary for competent performance of technical pharmacy tasks in institutional and ambulatory settings. Institutional pharmacy will be emphasized, especially sterile products preparation, pharmacy calculations, and unit dose drug distribution systems. Emphasis will also be on gaining competency (speed and accuracy) in filling ambulatory prescriptions. Extemporaneous compounding will be introduced with students completing basic compounding recipes. Students will develop skills by completing laboratory exercises.

Corequisites: PHAR-172L

PHAR-172L Applied Pharmacy Technology II Lab

0 Credits

Lab:

Offering: Spring Only, All Years

This course continues to provide students with the knowledge and skills necessary for competent performance of technical pharmacy tasks in institutional and ambulatory settings. Institutional pharmacy will be emphasized, especially sterile products preparation, pharmacy calculations, and unit dose drug distribution systems. Emphasis will also be on gaining competency (speed and accuracy) in filling ambulatory prescriptions. Extemporaneous compounding will be introduced with students completing basic compounding recipes. Student will develop skills by completing laboratory exercises.

Corequisites: Take PHAR-172

PHAR-175 Pharmacy Technician Certification Exam Prep

1 Credit

Lecture: 1 hour per week

Offering: Summer Only, All Years

This course is designed to prepare students for the National Pharmacy Technician Certification Exam. The course covers the major areas of focus for the national exam: assisting the pharmacist in serving patients, maintaining medication and inventory control systems, and participating in the administration and management of pharmacy practice. The course will also cover test taking techniques and strategies for success on the national exam.

PHAR-182 Pharmacy Technology Practicum and Seminar I

5 Credits

Lecture: 1 hour per week, **Lab:** 12 hours per week

Offering: Spring Only, All Years

This course is a supervised pharmacy technician practice in a retail or institutional setting. Instruction and guidance are provided by the staff of participating pharmacies. Emphasis is on application of classroom content in the pharmacy setting.

Prerequisites: PHAR-150, PHAR-171

PHAR-187 Pharmacy Technology Practicum and Seminar II

5 Credits

Lecture: 1 hour per week, **Lab:** 12 hours per week

Offering: Summer Only, All Years

This course is a supervised pharmacy technician practice in a retail or institutional setting. Instruction and guidance are provided by the staff of participating pharmacies. Emphasis is on application of classroom content in the pharmacy setting.

Prerequisites: PHAR-172, PHAR-182

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 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: 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.

Prerequisites: ENGL-101

Recommended Prerequisites: PHIL-101

PHIL-210 History of Ancient Philosophy 3 Credits

Lecture: 3 hours per week

Offering: Fall Only, 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, Even 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 and Spring Only, All 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-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, exploring 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: 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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-101MF   **Varsity Sports Strength Training Men's Soccer**

1 Credit

Activity: 1 hour 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-101MG   **Varsity Sports Strength Training Men's Golf**

1 Credit

Activity: 1 hour 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-101MW   **Varsity Sports Strength Training Men's Wrestling**

1 Credit

Activity: 1 hour 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-101WB   **Varsity Sports Strength Training Women's Basketball**

1 Credit

Activity: 1 hour 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-101WF   **Varsity Sports Strength Training Women's Soccer**

1 Credit

Activity: 1 hour 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-101WG   **Varsity Sports Strength Training Women's Golf**

1 Credit

Activity: 1 hour 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-101WS   **Varsity Sports Strength Training Women's Softball**

1 Credit

Activity: 1 hour 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-101WV   **Varsity Sport Strength Training Women's Volleyball**

1 Credit

Activity: 1 hour 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-102MB Varsity Sports - Men's Basketball**1 Credit****Activity:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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-102WV Varsity Sports - Women's Volleyball**1 Credit****Activity:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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 Sport Strength Training Women's Volleyball****1 Credit****Activity:** 1 hour 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 VS: Cheerleading**1 Credit****Activity:** 1 hour 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 as a proficient boater or qualified instructor of whitewater kayaking. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in 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 a traditionally structured Tai Chi form that builds the physical skills and knowledge required for correct performance of Tai Chi Chuan. An emphasis on employing the eight methods and five directions, as well as demonstrating the 10 essential body principles during form practice is a focus of this 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:** 1 hour 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****Internet:** 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 prepare 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:** 1 hour 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:** 1 hour 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 Skiing/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****Lecture:** 1 hour 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****Lecture:** 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, 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:** 1 hour 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:** 1 hour 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 rules of the game, 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 is an introduction to whitewater rafting. Paddling skills as well as river running competencies will be taught through hands-on experience on the river with attention given to the safety and logistical concerns of whitewater rafting. This course may be repeated for a total of four credits. Only one credit may apply toward the Wellness requirement in GEM 7.

PE-111K Rowing**1 Credit****Activity:** 2 hours per week**Offering:** Fall and Spring Only, All Years

This course introduces the lifetime sport of rowing. The course will emphasize the basic skills needed for safe and enjoyable participation. The basic skills and knowledge include use of equipment, paddle strokes, navigation, and safety principles. This course may be repeated for a total of four credits.

PE-111O   **Outdoor Adventures****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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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

1 Credit

Activity: 1 hour 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-201WG   **Varsity Sports Strength Training**
Women's Golf

1 Credit

Lecture: 1 hour 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

1 Credit

Activity: 1 hour 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-201WV   **Varsity Sports Strength Training**
Women's Volleyball

1 Credit

Activity: 1 hour 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

1 Credit

Activity: 1 hour 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

1 Credit

Activity: 1 hour 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

1 Credit

Activity: 1 hour 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

1 Credit

Activity: 1 hour 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

1 Credit

Activity: 1 hour 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

1 Credit

Activity: 1 hour 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:** 1 hour 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:** 1 hour 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-202WV Varsity Sports Women's Volleyball**1 Credit****Activity:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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:** 1 hour 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: 1 hour 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: 1 hour 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: 1 hour 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 Concepts

2 Credits

Lecture: 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 class 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 class 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 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:** 3 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.

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.

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.

PE-237C Whitewater Guiding**3 Credits****Lecture:** 3 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.

PE-237D Mountaineering**3 Credits****Lecture:** 3 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.

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.

PE-237F Outdoor Navigation**3 Credits****Lecture:** 3 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.

PE-237G Avalanche Level I**1 Credit****Lecture:** 1 hour per week, **Activity:** 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.

PE-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.

PE-237J Swift Water Rescue**3 Credits****Lecture:** 3 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.

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-253 American Council of Exercise 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.

Prerequisites: BIOL-227, CAOT-179, ENGL-101, GEM 3 MATH
Corequisites: PTAE-107, PTAE-110, PTAE-113

PTAE-107 Kinesiology **4 Credits**

Lecture: 2 hours per week, **Lab:** 4 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.

Prerequisites: BIOL-227, CAOT-179, ENGL-101, GEM 3 MATH
Corequisites: PTAE-101, PTAE-107L, PTAE-110, PTAE-113

PTAE-107L Kinesiology Lab **0 Credits**

Lab:

Offering: Fall Only, All Years

This course is a corequisite lab for PTAE-107.

Corequisites: PTAE-107

PTAE-110 Principles and Procedures of Physical Therapy **3 Credits**

Lecture: 1 hour per week, **Lab:** 4 hours 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.

Prerequisites: BIOL-227, CAOT-179, ENGL-101, GEM 3 MATH
Corequisites: PTAE-101, PTAE-107, PTAE-110L, PTAE-113

PTAE-110L Principles and Procedures of Physical Therapy Lab **0 Credits**

Lab:

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: Fall 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: BIOL-227, CAOT-179, ENGL-101, GEM 3 MATH
Corequisites: PTAE-101, PTAE-107, PTAE-110

PTAE-204 Therapeutic Modalities **3 Credits**

Lecture: 1 hour per week, **Lab:** 4 hours per week

Offering: Fall Only, All Years

This course provides an in-depth understanding of therapeutic modalities used as adjuncts 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-207, PTAE-208, PTAE-211, PTAE-217
Corequisites: PTAE-204L, PTAE-215, PTAE-240

PTAE-204L Therapeutic Modalities Lab **0 Credits**

Lab:

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, **Lab:** 4 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
Corequisites: PTAE-207L, PTAE-208, PTAE-211, PTAE-217

Lecture: 2 hours per week **Lab:** 4 hours per week.

PTAE-207L Therapeutic Exercise Lab **0 Credits**

Lab:

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, **Lab:** 4 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**Corequisites:** PTAE-207, PTAE-208L, PTAE-211, PTAE-217**Lecture:** 2 hours per week **Lab:** 4 hours per week.**PTAE-208L Orthopedic Rehabilitation Lab****0 Credits****Lab****Offering:** Spring Only, All Years

This course is a corequisite lab for PTAE-208.

Corequisites: PTAE-208**PTAE-211 Data Collection****3 Credits****Lecture:** 1 hour per week, **Lab:** 4 hours per week**Offering:** Spring 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 measureable data and their significance to patient progress. Emphasis is given to effective oral and written communication for reporting and documentation.

Prerequisites: PTAE-101, PTAE-107, PTAE-110**Corequisites:** PTAE-207, PTAE-208, PTAE-211L, PTAE-217**PTAE-211L Data Collection Lab****0 Credits****Lecture****Offering:** Spring 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, **Lab:** 4 hours 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-211, PTAE-217**Corequisites:** PTAE-204, PTAE-215L, PTAE-240**PTAE-215L Special Populations Lab****0 Credits****Lab****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, **Lab:** 4 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 and PTAE-107L, PTAE-110 and PTAE-110L**Corequisites:** PTAE-207 and PTAE-207L, PTAE-208 and PTAE-208L, PTAE-211 and PTAE-211L, PTAE-217L**PTAE-217L Neurological Rehabilitation Lab****0 Credits****Lab****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 is included.

Prerequisites: PTAE-204, PTAE-215, PTAE-240**Corequisites:** PTAE-241**PTAE-240 Clinical Affiliation 1****7 Credits****Internship:** 40 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-211, PTAE-217**Corequisites:** PTAE-204, PTAE-215**PTAE-241 Clinical Affiliation 2****7 Credits****Internship:** 40 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-204, PTAE-215, PTAE-240**Corequisites:** PTAE-221

PTAE-250 Clinical Affiliation II

6 Credits

Internship: 40 hours per week

Offering: Spring Only, All Years

This course is a six-week, full-time clinical experience in a physical therapy clinical environment. Students use the competencies learned in their PTA technical courses to assist with treatment of patients/clients. Patient treatment, progression, rationale, and critical thinking, are practiced in a supervised setting.

Corequisites: PTAE-255

PTAE-255 Clinical Affiliation III

6 Credits

Internship: 40 hours per week

Offering: Spring Only, All Years

This course is the final, full-time clinical experience in a physical therapy clinical environment. Students apply treatment intervention competencies, oral and written communication skills, and the art of caring for diverse populations in a physical therapy workplace setting. Patient progression, rationale for treatment, and critical thinking, are practiced in a supervised setting.

Pre/Corequisites: PTAE-250

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:** 2 hours per week

Offering: Fall and Spring 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:** 2 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: 45 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.

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

Lecture: 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-106 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. A lifespan approach will be used to assist students in the theory of oxygenation, circulation, nutritional, fluid, elimination, activity, and safety needs of patients of all ages. Growth and development and an introduction to pediatric and geriatric care will be included.

Pre/Corequisites: PN-106L

PN-106L Practical Nursing Lab I

6 Credits

Lecture: 18 hours per week

Offering: Fall Only, All Years

This course correlates PN-106 theory with supervised practice in providing patient care utilizing the campus laboratory for skills practice and clinical settings such as long term care facilities, behavioral health centers, and home health agencies for actual practice. It comprises a progression of nursing skills.

Pre/Corequisites: PN-106

PN-107 Practical Nursing Theory II

8 Credits

Lecture: 8 hours per week

Offering: Spring Only, All Years

This course explores nursing responsibilities in more complex diseases of major body systems. Medical-surgical, perinatal, and pediatric nursing are included. IV therapy, including phlebotomy and blood administration, is also included.

Prerequisites: BIOL-175, PN-106, PN-106L

Corequisites: PN-107L

PN-107L Practical Nursing Lab II

6 Credits

Lecture: 18 hours per week

Offering: Spring Only, All Years

This course correlates PN-107 theory with practice in clinical settings. Students may rotate through medical-surgical, perinatal, pediatric units, operating room, recovery room, short stay unit, minor care, EKG, respiratory therapy, clinics, and physician offices. IV therapy is included with certification.

Prerequisites: BIOL-175, PN-106, PN-106L

Corequisites: PN-107

PN-108 Practical Nursing Theory III

3 Credits

Lecture: 3 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-107, PN-107L

Corequisites: PN-108L

PN-108L Practical Nursing Laboratory III

5 Credits

Lecture: 15 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.

Prerequisites: PN-107, PN-107L

Corequisites: PN-108

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: Spring 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

RADIOGRAPHY TECHNOLOGY (RADT)

RADT-101 Introduction to Radiography

2 Credits

Lecture: 2 hours per week

Offering: Fall Only, All Years

The course includes an introduction to, and overview of, radiology and basic radiation protection instruction to allow students to begin the clinical practicum. Students will learn basic radiographic principles: image acquisition and processing, factors affecting radiographic quality, calibration, equipment design, filters, electromagnetic radiation, exposure factors, quality assurance and control testing, fundamentals of computers and the internet in radiology.

RADT-102 Patient Care in Radiography

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course provides an introduction to fundamental patient care procedures. Students will learn the role of the radiographer and other members of the health care team, patient and technologist interactions, body mechanics and patient transfer, aseptic technique, patient care during special exams, mobile and surgical radiography, emergency procedures, drug administration, and use and care of support equipment in preparation for patient contact. Students will receive an introduction to the hospital environment, health care teams, and basic patient care.

RADT-104A Radiographic Images I

1 Credit

Lecture: 1 hour per week

Offering: Fall Only, All Years

This course includes beginning image evaluation and radiographic anatomy. Students will learn disease causes, definitions, radiographic manifestations, and effects on image production. Students will present radiographs taken in the laboratory or clinic with emphasis on exam indication, pathology, positioning, radiographic technique and anatomy demonstrated.

Pre/Corequisites: Take RADT-106

RADT-104B Radiographic Images I

1 Credit

Lecture: 1 hour per week

Offering: Spring Only, All Years

This course includes beginning image evaluation and radiographic anatomy. Students will learn disease causes, definitions, radiographic manifestations, and effects on image production. Students will present radiographs taken in the laboratory or clinic with emphasis on exam indication, pathology, positioning, radiographic technique, and anatomy demonstrated.

Prerequisites: RADT-104A

RADT-105 Radiation Protection

2 Credits

Lecture: 2 hours per week

Offering: Spring Only, All Years

This course includes principles of radiation safety, biological effects of radiation, x-ray production, radiation units, radiation detection devices, measurement, regulations, personnel monitoring and objectives of a radiation protection program.

RADT-106 Radiographic Procedures I

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Fall Only, All Years

This course introduces radiographic anatomy and positioning procedures necessary to produce beginning diagnostic radiographs. The student will learn proper technical factors for different imaging situations, radiographic equipment operation, radiation protection, positioning terminology, patient considerations, and radiographic pathology.

RADT-107 Radiography Physics

3 Credits

Lecture: 3 hours per week

Offering: Fall Only, All Years

This course includes electromagnetic radiation, electromagnetism, and x-ray physics. Students will learn the x-ray: circuit, generators, equipment, quality control, radiation units, production, interactions, image intensification, fluoroscopy, conventional tomography, computed tomography, and mammography. Students will perform technique selection problems with advanced formula application.

Prerequisites: RADT-108, RADT-192

RADT-109 Radiographic Procedures II

3 Credits

Lecture: 2 hours per week, **Lab:** 3 hours per week

Offering: Spring Only, All Years

This course is the second course in radiographic anatomy and positioning procedures necessary to produce diagnostic radiographs of the entire body (except skull). Students will learn proper technical factors for different imaging situations, radiographic equipment operation, radiation protection, positioning terminology, patient considerations, and radiographic pathology.

Prerequisites: RADT-106, RADT-180

RADT-110 Law and Ethics for Radiography

1 Credit

Lecture: 1 hour per week

Offering: Fall Only, All Years

The course introduces students to ethical principles related to Radiography Technology. Students will learn: the historical and philosophical basis of ethics in radiography, ethical and legal concepts in health care, the legal responsibilities of the technologist, and how professional organizations, credentialing, and development influence the role of the radiologic technologist.

RADT-180 Clinical Education I**3 Credits****Lab:** 9 hours per week**Offering:** Fall Only, All Years

This course consists of supervised rotations through routine diagnostic areas. Students will perform beginning radiologic examinations on patients under direct supervision of a technologist until competency has been achieved.

RADT-182 Clinical Education II**6 Credits****Lab:** 18 hours per week**Offering:** Spring Only, All Years

This course is the second course in clinical education for the radiography technology programs. This course consists of supervised rotations through routine diagnostic areas. Students will perform radiologic examinations on patients under direct supervision of a technologist until competency has been achieved.

Prerequisites: RADT-180**Corequisites:** RADT-104B, RADT-105, RADT-108**RADT-192 Clinical Education III****3 Credits****Lab:** 9 hours per week**Offering:** Summer Only, All Years

This course consists of supervised rotations through routine diagnostic areas. Students will perform radiologic examinations on patients under direct supervision of a technologist until competency has been achieved.

Prerequisites: RADT-108, RADT-182**Corequisites:** RADT-202A, RADT-205**RADT-201 Pharmacology and Contrast Procedures In Radiography****2 Credits****Lecture:** 2 hours per week**Offering:** Spring Only, All Years

This course includes an introduction to the uses, contraindications and pharmacology of contrast media. Students will learn pharmacology principles, drug classification and safety, routes of administration, intravenous drug therapy, current practice status, and informed consent. Procedural considerations for contrast studies (such as upper gastrointestinal exams and barium enemas) and fluoroscopic techniques will be covered.

Prerequisites: RADT-192, RADT-206**RADT-202A Radiographic Images II****1 Credit****Lecture:** 1 hour per week**Offering:** Summer Only, All Years

This course is a continuation of RADT 104 with advanced image evaluation, radiographic anatomy, and pathology. Students will present radiographs taken in the laboratory or clinic highlighting exam indication, positioning, pathology, radiographic technique and anatomy demonstrated. Emphasis will be on higher level procedures.

Prerequisites: RADT-104B, RADT-182**RADT-202B Radiographic Images II****1 Credit****Lecture:** 1 hour per week**Offering:** Fall Only, All Years

This course is a continuation of RADT 104 with advanced image evaluation, radiographic anatomy, and pathology. Students will present radiographs taken in the laboratory or clinic highlighting exam indication, positioning, pathology, radiographic technique and anatomy demonstrated. Emphasis will be on higher level procedures.

Prerequisites: RADT-192, RADT-202A**RADT-204 Radiographic Procedures III****2 Credits****Lecture:** 1 hour per week, **Lab:** 6 hours per week**Offering:** Summer Only, All Years

This course introduces students to advanced radiographic anatomy and positioning procedures. Students will learn advanced procedures, pathology, and image evaluation including the skill. This course includes an introduction to principles of pediatric radiography.

Prerequisites: RADT-109, RADT-182**RADT-206 Radiographic Procedures IV****2 Credits****Lecture:** 2 hours per week**Offering:** Fall Only, All Years

This course introduces students to advanced imaging.

Prerequisites: RADT-192, RADT-202A**RADT-291 Clinical Education Option****1 Credit****Lab:** 3 hours per week**Offering:** Spring Only, All Years

This course is a continuation of clinical education for the student that desires additional clinical education in either a routine diagnostic area or special rotation. Students have the option of picking (upon availability) a rotation of interest. Rotations that are available include the emergency room, portable radiography, surgery, fluoroscopy, outpatient imaging, special procedures, computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine, ultrasound, mammography, radiation therapy, and cardiovascular laboratory.

Prerequisites: RADT-202A and RADT-202B, RADT-206, RADT-292**RADT-292 Clinical Education IV****8 Credits****Lab:** 24 hours per week**Offering:** Fall Only, All Years

This course is the fourth course in clinical education for the radiography technology program. Students will be supervised in rotations through diagnostic areas. Students will perform increasingly difficult radiologic examinations on patients under direct supervision of a technologist until competency has been achieved.

Prerequisites: RADT-192, RADT-202A

RADT-297 Senior Radiography Review**1 Credit****Lecture:** 1 hour per week**Offering:** Spring and Summer Only, All Years

This course is designed to prepare students to take the American Registry of Radiologic Technologists (ARRT) examination in radiography. Students will review the main content areas that are identified by the ARRT. Course review includes: radiation protection, equipment operation and quality control, image production and evaluation, radiographic procedures, patient care and education. Students will learn test taking techniques and strategies for success on the national exam.

Prerequisites: RADT-202B, RADT-292**RADT-298 Clinical Education V****8 Credits****Lab:** 24 hours per week**Offering:** Spring Only, All Years

This course is the final course in clinical education for the radiography program. Student will be supervised in rotations through diagnostic areas. Students will perform increasingly difficult radiologic examinations on patients under direct supervision of a technologist until competency has been achieved.

Prerequisites: RADT-292**Corequisites:** RADT-201

RESORT RECREATION MANAGEMENT (RRM)

RRM-110 Wilderness First Responder

3 Credits

Lecture: 3 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 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).

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).

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: 3 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.

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.

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.

RRM-237C Whitewater Guiding**3 Credits****Lecture:** 3 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.

RRM-237D Mountaineering**3 Credits****Lecture:** 3 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.

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.

RRM-237F Outdoor Navigation**3 Credits****Lecture:** 3 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.

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.

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.

RRM-237J Swift Water Rescue**3 Credits****Lecture:** 3 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.

Recommended Prerequisites: PE-237C or RRM-237C**RRM-250 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.

RRM-290 Resort Recreation Management Internship**3 Credits****Lecture:** 3 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 presents the fundamental principles affecting human social systems. The concepts of traditional as well as contemporary theorists will be discussed. Emphasis will be placed on the forces governing groups and the conditions that transform social life.

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-103 Cultural Diversity

3 Credits

Lecture: 3 hours per week

Offering: Fall and Spring Only, All Years

This course is designed to increase the awareness and appreciation of diversity within the contemporary U.S. population. It will examine historical and contemporary experiences from perspectives of both women and men of diverse races, ethnicities, social class, religions, sexual orientation, ages, and abilities. Students will explore their particular inherited and constructed traditions, identify communities and significant life experiences while learning from the varied experiences and perspectives of those who are different. Students will become more aware of the nature of personal, institutional, and societal inequalities and the processes leading to a more equitable society. Students will be encouraged to develop a critical consciousness and to explore ways of empowering to help eliminate ideologies of unequal treatment. This course will develop an extended and collaborative dialogue about past, present, and future U.S. democratic aspirations and foster a respect for people's life experiences while teaching skills needed to function in today's diverse and increasingly interconnected global society.

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.

Recommended Prerequisites: SOC-101

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.

Recommended Prerequisites: SOC-101 or SOC-102

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

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-100 Introduction to Surgical Technology **2 Credits**

Lecture: 2 hours per week

Offering: Spring Only, All Years

This course provides an introduction to the field of surgical technology. Students learn the history of surgery and surgical technology, roles of the surgical team, professional organizations related to surgery, credentialing of the surgical technologist, and the surgical environment. Students will gain knowledge of career opportunities, legal, ethical, and moral issues, hospital administration and organization, and professional behaviors including engaging in effective interpersonal relations and interactions.

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 BIOL-227 or BIOL-228, CAOT-179, One GEM 3 course, SURG-100

Corequisites: SURG-120, SURG-130

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-100, 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.

Prerequisites: SURG-100

Corequisites: SURG-105, SURG-120L, SURG-130

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-121L, Take SURG-109, Take SURG-131, Take 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.

Prerequisites: SURG-100

Corequisites: SURG-105, SURG-120

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-100, 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/Lab: 3 hours per week

Offering: Spring 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, All 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-114 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-115 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-116 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-190 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 an 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: Spring Only, All 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-100B Welding Theory

2 Credits

Lecture: 2 hours per week

Offering: Spring Only, All Years

This course is a continuation of WELD-100A. This is part two of a two-part class totaling 4 credits.

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-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 Auto Collision Repair Welding

2 Credits

Lecture: 1 hour per week, **Lab:** 2 hours per week

Offering: Fall Only, All Years

This course is part of the Auto Collision Repair 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: Spring Only, All Years

This course will focus on gaining competency in FCAW and GMAW application on ferrous steel plate in the flat, horizontal, vertical, up, and overhead welding position. Students will weld on steel plate and other common materials using the proper welding techniques on butt, lap, tee, and corner joints in all four welding positions. AWS standards will apply for welds on butt, tee, lap, and corner joints. AWS D1.1 structural bend test standards will also apply.

Prerequisites: WELD-197L

Corequisites: WELD-100B, WELD-131

WELD-187L SMAW Practical

4 Credits

Lab: 14 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

Lecture: 16 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: 15 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 is a continuation of WELD-100A. This course will also emphasize ASME and AWS welding test procedures in SMAW, GMAW, FCAW, and GTAW. Students will also be exposed to Plasma Cam operations.

Prerequisites: WELD-100B, WELD-131, WELD-182L, WELD-197L

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-100B, WELD-131, WELD-182L, WELD-197**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 this 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-100B, WELD-131, WELD-182L, WELD-197L, 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-100B, WELD-131, WELD-182L, WELD-197L, 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.

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/INDEX

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 Burns
Vice President for Instruction

B.S., University of Wyoming
M.S., University of Colorado
Ph.D., Gonzaga University

Chris Martin
Vice President for Finance and Business Affairs

B.B.A., Abilene Christian University
M.B.A., Amberton University

Don Millikan, SHRM-SCP, SPHR
Executive Director of Human Resources

B.A., University of Montana

Dianna Renz
**Associate Vice President Planning, Strategy and
Effectiveness**

B.A., Linfield College
M.A., Stanford University

Laura Rumpler
Chief Communications and Government Relations Officer

B.A., Gonzaga University

Graydon Stanley
Vice President for Student Services

B.S., College of Idaho
M.Ed., College of Idaho

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

Al Williams
Director of Athletics

B.A., University of Idaho
M.B.A., University of Phoenix

FACULTY

A

Altizer, Helena

Instructor in Nursing - ADN Program

M.S., Nursing
 B.S., Nursing
 A.S., Registered Nurse
 Oncology Certified Nurse
 Certified Nurse Educator

Anderson, Amie

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J.D., Law
 B.S., Political Science & History

Anderson, Douglas

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M.S., Vocational Education
 B.S., Diesel Technology
 A.A., General Studies
 A.A.S., Diesel Technology/Automotive Technology

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Ph.D., Inorganic Chemistry
 B.S., Chemistry

B

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 B.S., Elementary and Early Secondary Education

Becker, Marsha

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 B.S.N., Nursing
 A.S., Nursing
 Certified Nurse Educator

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Ph.D., Educational Policy and Evaluation
 M.A., Educational Leadership and Policy Studies
 B.A., Theatre

Bennett, Bob

Instructor in English

M.A., English
 B.A., Art

Bennett, Michael

Instructor in Computer Aided Design Technology

M.S., Adult/Organizational Learning and Leadership
 B.S., Trades and Industry
 B.S., Industrial Arts
 Advanced Occupational Specialist Certification, Drafting

Blackston, Robert

Instructor/Program Director in Surgical Technology Program

B.S., HR Training and Development

T.C., Surgical Technology
 Certified Surgical Technologist
 Certified Surgical First Assistant

Blanchette, Kirsten

Instructor in Chemistry

M.S., Chemistry
 B.S., Mathematics
 B.S., Chemistry

Bledsoe, Amy

Instructor in Medical Administrative Programs

M.S., Health Informatics
 B.S., Health Information Administration
 A.S., Health Information Technology

Booth, Curt

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 B.S., Design Graphics - Mechanical Engineering Technology
 A.S., General Studies

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Instructor in Speech/Assistant Division Chair for Communication and Fine Arts

M.A., Communication and Leadership Studies
 M.S., Adult/Organizational Learning and Leadership
 B.A., Speech Communication

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A.S., General Studies
 Certified Pharmacy Technician

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M.A., History

Briggs, Larry

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Ph.D., American History
 M.A., American History
 B.A., Social Studies/History

Bromley, Susanne

Instructor in Mathematics

M.S., Mathematics
 M.Ed., Education
 B.A., Mathematics Education

Brown, Lucas

Instructor in English

M.A., English
 B.A., English

Buchan, Blythe

Instructor in Nursing - ADN Program

M.S.N, Nursing
 B.S., Nursing
 A.A./A.D.N., Nursing
 Medical Surgical Nurse Certification

C

Caires, Damian

Instructor in Mathematics

M.A.T., Mathematics
B.S., Mathematics

Cameron, Audrey*Instructor in English*

Ph.D., English
M.A., English and Scottish Literature

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M.Ed., Education Curriculum/Instruction
B.S., Biology Education

Carr, Geoffrey*Instructor in Journalism*

M.A., Communications
B.A., Communications/Journalism

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M.S.N., Nursing

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M.A., Spanish Translation and Interpreting
B.A., Spanish

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M.S., Adult/Organizational Learning and Leadership
B.S., Environmental Science
A.S., General Studies
Instructor Certificate

Christensen, Anthony*Instructor in Diesel Technology*

A.A.S., Diesel Technology
Post-Secondary Standard Occupational Specialist

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Two-Year Machinist Certification
Post-Secondary Standard Occupational Specialist

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Ph.D., English
M.A., English
B.A., History/Theology
A.A., Fine Arts

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M.A., Anthropology
B.S., Sociology and Anthropology

Coons, Brian*Instructor in Outdoor Power/Recreational Vehicle Technology*

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Commercial Radiotelephone Radar Endorsement Certification
AC&W Radar 5 Level Certification

Motorcycle Technology Certification

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M.S., Biology
B.S., Biology
B.S., Education

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M.S., Nursing
B.S., Nursing

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B.A., Mathematics Education

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B.A., Secondary Biology Education
B.S., Zoology, Biology/Zoology Secondary Biology Education
A.A., General Studies

Curtis, Carl*Instructor in English*

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M.A., English: Rhetoric and Composition
B.A., Art History
B.A., English: Literary Studies

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M.S., Adult/Organizational Learning and Leadership
B.S., Career and Technical Education
A.A.S., Computer Applications in Business
Educational Certification

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M.S., Psychology
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B.A., English Education

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M.S., Mathematics
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M.A., Leadership and Change
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B.S., Education
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Instructor in Mathematics

M.S., Mathematics
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J.D., Law
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S.S., Mathematics

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 B.A., English and History

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 B.S., Biology
 A.A.S., Medical Assistant
 Certified Medical Assistant

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 B.S.N., Nursing

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 A.D.N., Nursing

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 A.A., General Studies
 A.A.S., Carpentry Management
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 M.A., Information Technology Management
 B.S., Liberal Arts

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A.A.S., Diesel

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M.F.A., Fine Art - Photography
 B.F.A., Fine Art - Photography

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 A.A., Business Administration

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 B.A., English
 A.A., General Studies

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 B.S., Geology

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 M.S., Adult/Organizational Learning and Leadership
 M.B.A., Business Administration
 B.S., Construction Engineering

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Division Chair for Health Professions

Ph.D., Education
 Ed.S, Educational Leadership
 M.Ed., Professional-Technical Education
 B.A., Secondary Education - Fine Arts Emphasis
 Advanced Occupational Specialist, Administrator Endorsement

S

Sater, Sean

Instructor in Heating/Ventilation/Refrigeration/Air Conditioning

A.A.S., HVAC/R

Schlauch, Steve

Instructor in Automotive Technology

M.Ed., Vocational Technical Education
 B.S., Vocational Technical Education
 A.A.S., Diesel Technology

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Instructor in Child Development

M.Ed., Education
 B.A., Family Life and Child Development

Schoesler, Donald

Instructor in ATEC

B.A., Business Administration
 Advanced Occupational Specialist
 Senior Professional in Human Resources

Schwartz, Brad

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B.F.A., Bachelor of Fine Arts

Seguin, Brian

Public Services Collection Development Librarian

M.L.I.S., Library and Information Sciences
 B.S., Graphic Design
 A.A.S., Commercial Art

Shibley, Sue

*Instructor in Computer Application and Office Technology/Division
 Chair of Business and Professional Programs*

M.Ed., Adult and Organizational Learning,
 B.A.Ed, Family and Consumer Science, Secondary Education
 A.A.S., Health Information Technology
 A.A., Home Economics

Silvas, Kathleen

Dean of Career, Technical, and Workforce Education

M.A., Education
 B.S., Economics

Simkins, Sherry

*Instructor in Speech/Division Chair of Communication and Fine
 Arts*

M.A., Communication
 B.S., Communication

Stockham, Shane

Instructor in Maintenance/Industrial Mechanics

M.S., Agricultural Education
 B.S., Agricultural Education

Straw, Timothy

Instructor in Welding

M.S.Ed., Adult/Organizational Learning and Leadership
 B.S.Ed., Professional-Technical Teacher Education
 A.A.S., Welding Technology
 Advanced Occupational Specialist Certification/PTE
 Administrator Certification
 Certified Welding Inspector and Educator

Struble, Tracy

Instructor in Communication

M.A., Communication and Leadership Studies

Swanson, Alfred

Instructor/Coordinator - Law Enforcement, Basic Patrol Academy

M.S., Criminal Justice
 B.S., Criminal Justice Administration
 A.S., Criminal Justice
 Limited Occupational Specialist

T

Tanksley, Richard

Instructor in Political Science

Ph.D., Political Science
 M.A., International Studies
 B.S., Economics

Tedmon, Richard

Instructor in Business

M.S., Policy and Strategy
 M.S., Management
 B.A., Biology
 Certificate, Certified Financial Planning

Templeman, Laura

Instructor in Philosophy

M.A., Philosophy, Comparative Eastern and Western
 Philosophies
 B.A., Philosophy, Pre-Med
 Philosophical Counselor Certification

Thompson, David

Instructor in Physics/Astronomy

Ph.D., Chemistry
 M.S., Physics
 B.S., Physics

Thurston, Karen

Instructor in Computer Science

M.S. Computer Science
 B.A., English Literature
 Certified Information Systems Security Professional

Trombold, John

Instructor in English

Ph.D., English and Comparative Literature
 M.Philosophy, English and Comparative Literature
 M.A., English

B.A., English/History

Tschida, Ben

Instructor in Mathematics

M.S., Mathematics

B.S., Mathematics

Turner, Earl

Instructor in Airframe Maintenance and Composite Materials

General Aviation Technology Diploma

Postsecondary Limited Occupational Specialist - Airframe
Mechanic/Airframe and Power Plant IA

FAA Mechanic and Commercial Pilot Licenses

U

Underdahl, Marian

Division Chair for Nursing

M.S.N., Nursing

B.S.N., Nursing

Certified Nurse Educator

V

Valente, Faith

Instructor in Speech Communication/English

Ph.D., Leadership Studies

M.A., Organizational Leadership

B.S., Communication

Meyers Briggs Type Indicator Certified Counselor

Valle, Philippe

Instructor in Art

M.A., Communication Technologies

Advanced Certification, Professional Technical Education

Van Middlesworth, Julie

Instructor in Environmental Science/Geology

M.S., Geology - Aqueous Geochemistry

B.S., Geology

Vogeler, Robert

Instructor in Mathematics

M.S., Mathematics

B.S., General Physical Science

W

Ware, Randy

Instructor in Psychology

Ph.D., Higher Education Administration

M.S., Psychology

B.S., Psychology

Wasserman, Margaret

Instructor in Nursing - ADN Program

M.S.N, Nursing

B.S., Nursing

A.S., Nursing

Certificate, Advanced Practice Nurse (Nurse Practitioner -
Family Practice)

White, Angela

Instructor in Hospitality Management

B.A., Hospitality Business Management

A.A., General Studies

Wilcox, Liza

Instructor in English

M.S., English Literature and Composition

B.S., Education, English, History

Wilderson, Kelly

Instructor in Mathematics

M.A.T., Mathematics

B.A., Elementary Education

B.A., Russian Language

B.A., Mathematical Sciences

Certification, Secondary Education (Mathematics)

Wilhelm, Casey

Instructor in Business

M.B.A., Business Administration

M.S., Adult/Organizational Learning and Leadership

B.A., Business Administration

Z

Zenker, Lizabeth

Instructor in Biology

B.S., Biochemistry

D.C., Chiropractic

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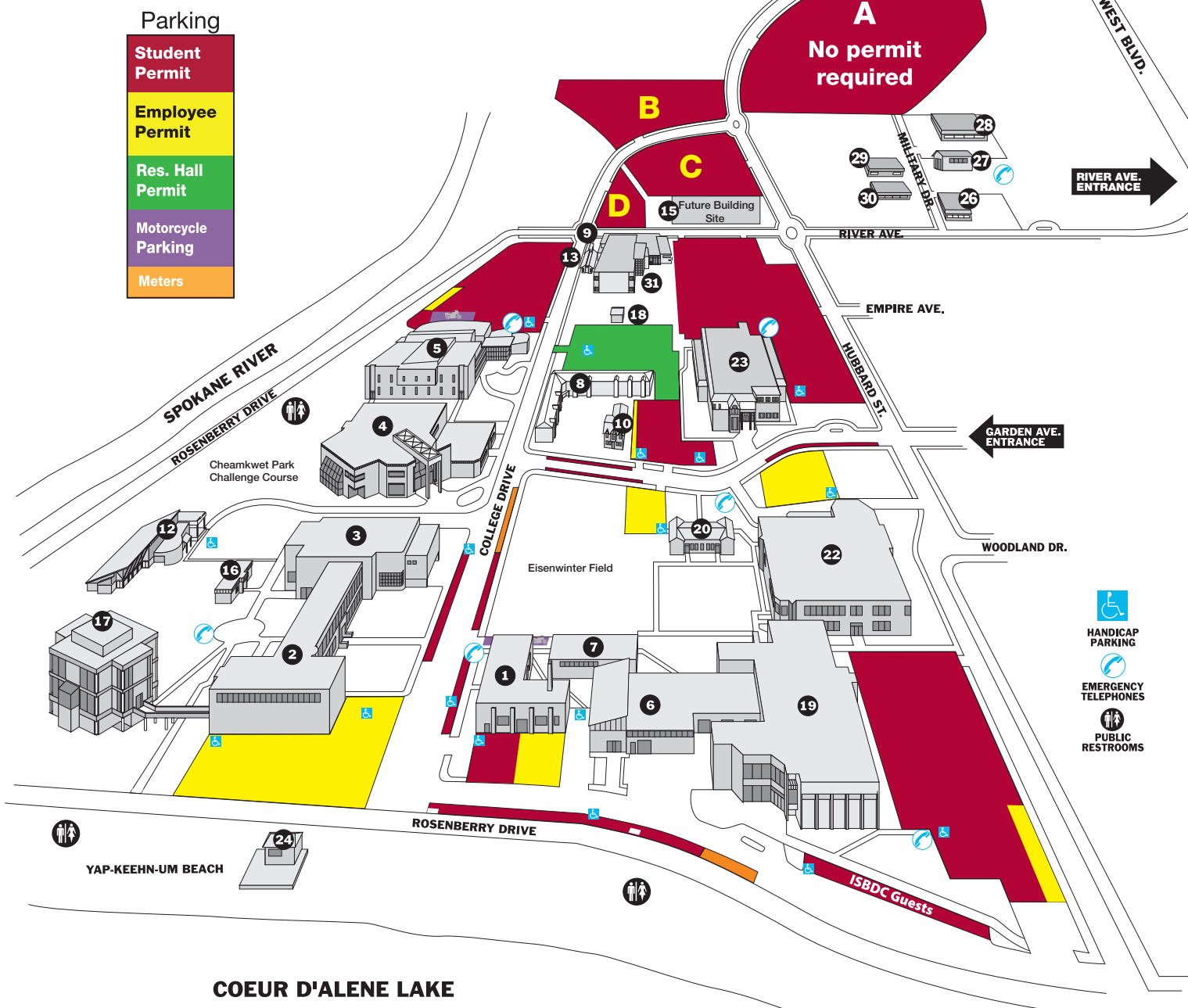


North Idaho College

Campus Map

1000 West Garden Ave
Coeur d'Alene, ID 83814

Map legend is located on the back.



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 except for in designated areas.



North Idaho College

Map Legend

- 1 McLain Hall (MCL)**
Outdoor Pursuits, classrooms, computer labs
- 2 Lee-Kildow Hall (LKH)**
Admissions, Office of Business and Finance, Financial Aid, Student Accounts, Registrar, classrooms, College Learning Commons (Math/ Science Study Center, Peer Tutoring), English and Modern Languages Division, Social and Behavioral Sciences Division
- 3 Christianson Gymnasium (GYM)**
Athletics Department offices, gymnasium
- 4 Edminster Student Union Building (SUB)**
Market Food Court, Caffeinated Cardinal, Cardinal Bookstore, ASNIC offices, Student Services (Advising, Student Health), Cardinal Card Office (Campus Information, Student ID, Parking Services), Career Services, Veteran and Military Family Services, Student Support Services, Auxiliary Services, American Indian Support Advisor, Student Housing, Challenge Course
- 5 Meyer Health and Sciences Building (MHS)**
Health Professions and Nursing Division, Natural Sciences Division, classrooms, labs, DeArmond Auditorium, Rolphe Auditorium
- 6 Siebert Building (SBT)**
Information Technology, The Sentinel, classrooms, Mail and Copy Center, Fleet Services - Key pick-up
- 7 Industrial Arts (IND)**
Carpentry lab, classroom
- 8 Residence Hall (RES)**

- 9 Post Hall (PST)**
Athletics Department offices
- 10 Fort Sherman Officers' Quarters (FSQ)**
Faculty offices, Heritage Conference Room
- 12 Lakeside Center (LKC)**
Children's Center
- 13 Winton Hall (WIN)**
Physical Education classrooms, faculty offices
- 15 Future Building Site**
- 16 Lee Hall Annex (LHA)**
Writing Center, Modern Languages Lab
- 17 Seiter Hall (STR)**
Math, Computer Science, and Engineering Division; Counseling, Center for New Directions, faculty offices; Disability Support Services
- 18 Fort Sherman Powder Magazine (FSM)**
Study area/Meeting space
- 19 Hedlund Building (HED)**
Emery's Restaurant, Career and Technical Education offices, AEC/GED®, Outreach Office, classrooms, Co-Creation Center - C3, Gizmo-CDA, Idaho Small Business Development Center
- 20 Sherman Building (SHE)**
President's Office, Community Relations, Communications and Marketing, NIC Foundation, Alumni Association, Grants, Associate Vice President for Planning, Strategy and Effectiveness
- 22 Boswell Hall (BOS)**
Schuler Performing Arts Center; classrooms; Corner Gallery; Communication, Fine Arts, and Humanities Division

- 23 Molstead Library (MOL)**
Library, Todd Lecture Hall, Testing Center, computer labs, Office of Instruction, Institutional Effectiveness, eLearning, classrooms, University of Idaho classroom, University of Idaho Recruitment Office, LCSC classroom, LCSC Recruitment Office

- 24 Sunspot**
Concessions and rentals (June-September)

Headwaters Complex

- 26 Facilities Operations (HWCA)**
Custodial Services, Fleet Services
- 27 Human Resources (HWCB)**
- 28 Maintenance Department (HWCC)**
- 29 Landscape Services (HWCE)**
- 30 Security (HWCD)**
- 31 Student Wellness and Recreation Center (SWRC)**
Recreational Sports, learning labs

Cheamkwet Park Eisenwinter Field

Parking Services

(208) 769-5902 Edminster Student Union Building
Parking regulations and information:
www.nic.edu/parking

Campus Security

(208) 769-3310 703 Military Drive
Security reports, fire reports, crime statistics, and safety tips: www.nic.edu/security

Vehicle Registration and Campus Parking Information

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 vehicles rear view mirror with the front of the permit facing outward. Rosenberry Drive, Hubbard Street, 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 www.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 available at Parking Services located in the Edminster Student Union Building (or can be purchased during class registration). Payment is required at the time the permit tag is issued. 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, you are locked out of your vehicle or battery requires charging while parked on campus.

• 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 from the Parking Services Office in the Edminster Student Union Building and the Switchboard/Information Office in the Sherman Building. A visitor is defined as any person other than a student, staff, or faculty member of North Idaho College. Visitor permits are free.

• Carpool Parking

Carpool parking is available in the lot between Fort Sherman Officer's Quarters (Building 10) and Molstead Library (Building 23) in designated spots. Please contact parking services or visit www.nic.edu/parking for carpool procedures.

• Winter Parking

From Nov. 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 at the Parking Services Office in the Edminster Student Union Building. 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. Forms are available from Parking Services Office in the Edminster Student Union Building (ticket must be attached to the form).

Outreach Centers

Bonnors Ferry Center

6791 Main Street, Suite B
Bonnors Ferry, ID 83805
(208) 267-3878

NIC at Sandpoint

102 S. Euclid, Suite 309
Sandpoint, ID 83864
(208) 263-4594

Silver Valley Center

323 Main Street
Kellogg, ID 83837
(208) 783-1254

Aerospace Center

1845 Dakota Avenue
Hayden, ID 83835
(208) 625-2344

Parker Technical Education Center

7064 W. Lancaster Rd.
Rathdrum, ID 83858
(208) 769-4040

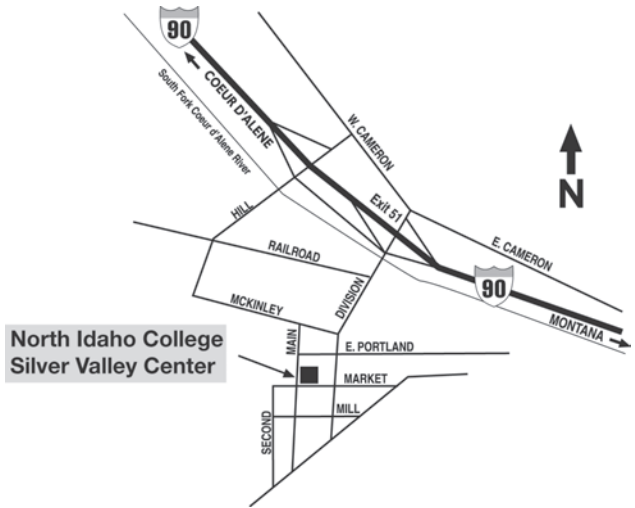
NIC Workforce Training Center

525 S. Clearwater Loop
Post Falls, ID 83854
(208) 769-3214

Maps



NIC Sandpoint Center
 102 South Euclid Street, Sandpoint, ID
 (208) 263-4594 www.nic.edu/sandpoint

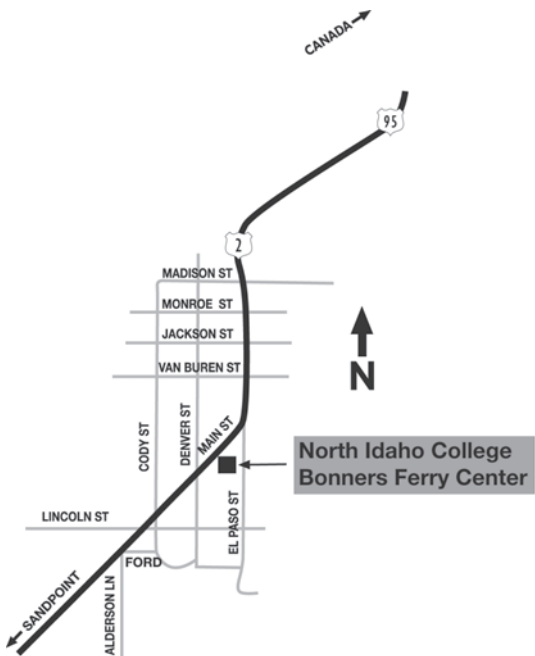


**North Idaho College
 Silver Valley Center**

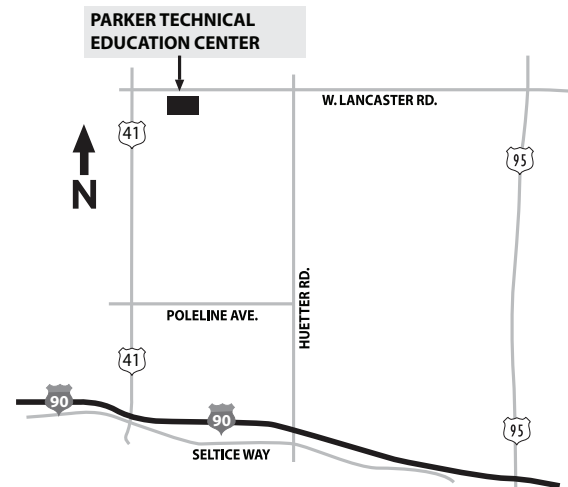
NIC Silver Valley Center
 1323 Main Street, Kellogg, ID
 (208) 783-1254 www.nic.edu/silvervalley



NIC Workforce Training and Community Education Center
 525 Clearwater Loop, Post Falls, ID
 (208) 769-3333 www.workforcetraining.nic.edu



NIC Bonners Ferry Center
 6791 Main Street, Ste. B, Bonners Ferry, ID
 (208) 267-3878 www.nic.edu/bonnersferry



Parker Technical Education Center
 7064 West Lancaster Road, Rathdrum, ID
 (208) 929-4040 www.nic.edu/tech

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)
Pharmaceutical Manufacturing
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
Public Relations
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
Aerospace Technology
Automotive Technology
Aviation Maintenance Technology
Business Management
Carpentry and Construction Technology
Collision Repair Technology
Computer Aided Design Technology
Computer Applications
Computer Information Technology
Construction Management
Culinary Arts
Diesel Technology
Fire Service Technology
Graphic Design
Healthcare Informatics Technician
Health Information Fundamentals
Heating, Ventilation, Air Conditioning and Refrigeration
Hospitality Management
Industrial Mechanic/Millwright
Law Enforcement
Mechatronics
Machining and CNC Technology
Medical Administrative Assistant
Medical Assistant
Medical Billing Specialist
Medical Receptionist
Network Security Administration
Nursing (PN)
Office Specialist/Receptionist
Office Technology
Outdoor Recreation Leadership
Paralegal
Pharmacy Technology
Physical Therapist Assistant
Radiography Technology
Surgical Technology
Virtual Administrative Assistant
Web Design
Welding Technology