



2012-2013

**North Idaho College
Catalog**

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Academic Divisions	
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Student Services	769-7863
Testing Center.....	676-7207 or 676-7203
Veteran's Services	769-3281
Workforce Training Center	769-3333

EMAIL ADDRESSES

Admissions Office	admit@nic.edu
Advising	advising@nic.edu
Alumni Office	alumni@nic.edu
Bookstore	bookstore@nic.edu
Career Center	career@nic.edu
Financial Aid Office	finaid@nic.edu
Foundation.....	foundation@nic.edu
eLearning and Outreach	elearning@nic.edu
Housing	housing@nic.edu
Molstead Library.....	library@nic.edu
Registrar's Office	registration@nic.edu
Testing Center.....	testing_center@nic.edu

North Idaho College is committed to its policy of nondiscrimination on the basis of race, color, religion, national origin, gender, age, disability, pregnancy, sexual orientation, or status as a Vietnam-era veteran. This policy applies to education programs, services, and facilities, and includes, but is not limited to, admissions, employment, and access to programs and services.

BOARD OF TRUSTEES

Michael (Mic) Armon, Chair

Judy Meyer, Vice Chair

Christie Wood, Secretary

Ron Vieselmeyer, Treasurer

Ken Howard, Trustee

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.

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College Calendar 2012-2013

- Holidays
- Advising/Curriculum Days

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May 2012

- 23 **Memorial Day.** Campus closed.
- 30 Summer session textbooks available.
- 30-31 Financial aid charges begin at the Mica Peak Exchange bookstore for summer session.
- 31 Orientation, Advising, and Registration Sessions (OARS) begin for new fall semester students by appointment.
- 31 Registration begins for non-degree seeking students for fall semester.

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June 2012

- 1 First Friday campus visitation program for prospective students.
- 1-5 Financial aid charges continue through 5 p.m. June 5 at the Mica Peak Exchange bookstore for summer session.
- 4 **Summer session begins.**
- 4-5 Summer session course add/drops.
- 6 Payment due by 5 p.m. for students registered for summer session.
- 6 Drop for nonpayment of summer tuition and fees.
- 7 Attendance rosters for summer session course sections due by 10 a.m.
- 7 Drop for non-attendance of summer session course sections.
- 8 Last day for 100 percent refund for summer session.
- 8 Four-week professional-technical summer session ends.
- 12 Financial aid disbursed.
- 12 Four-week professional-technical summer session final grades due by 10 a.m.

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July 2012

- 2 Last day to withdraw from summer session or from college.
- 4 **Independence Day.** Campus closed.
- 6 Eight-week professional-technical summer session ends.
- 10 Eight-week professional-technical summer session final grades due by 10 a.m.
- 23 Carpentry summer session begins.
- 27 Summer session ends.
- 31 Summer session final grades due by 10 a.m.

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August 2012

- 6 Textbooks available for fall semester.
- 9 Admission application deadline 5 p.m. for fall semester.
- 16 Carpentry summer session ends.
- 20-31 Financial aid charges continue through 2:30 p.m. Aug. 31 at the Mica Peak Exchange bookstore for fall semester.
- 21 Faculty return to campus.
- 21 Carpentry session final grades due by 10 a.m.
- 22 Fall course sections cancelled for low enrollment.
- 27 **Fall semester begins.**
- 27-28 Summer session textbook buy back at the Mica Peak Exchange bookstore.
- 27-31 Fall semester course add/drops.
- 29 Payment due by 5 p.m. for students registered for fall semester.
- 29 Payment plan registration due by 5 p.m.
- 29 Drop for non-payment of fall semester tuition and fees.

College Calendar 2012-2013

- Holidays
- Advising/Curriculum Days

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September 2012

- 1-2 Fall semester course add/drops.
- 3 **Labor Day.** Campus closed.
- 6 Attendance rosters for fall semester course sections due by 10 a.m.
- 6 Drop for non-attendance of fall semester course sections.
- 7 Last day to receive 100 percent refund for fall.
- 11 Financial aid disbursed.

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October 2012

- 5 First Friday campus visitation program for prospective students.
- 8 Incomplete grades due for 2012 spring semester and summer session.
- 15-19 Fall semester midterm exams.
- 23 Fall semester midterm grades due by 10 a.m.
- 30 **Advising Day.** Classes that meet at 4 p.m. or later are in session.

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November 2012

- 1 Deadline to apply for spring semester 2013 graduation.
- 2 First Friday campus visitation program for prospective students.
- 5 Registration begins for continuing students for spring semester by appointment.
- 9 Registration begins for continuing dual credit students for spring semester.
- 12 Last day to withdraw from full-semester fall courses or college.
- 12 Registration begins for former students for spring semester by appointment.
- 21-23 **Thanksgiving Holiday.** Campus closed.
- 26 Registration begins for new non-degree and new dual credit students for spring semester.

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December 2012

- 6 Admission application deadline 5 p.m. for spring 2013.
- 7 First Friday campus visitation program for prospective students.
- 13 Last day of fall semester classes.
- 13 Orientation, Advising, and Registration Sessions begin for new students by appointment.
- 14 **Curriculum Day.** Classes that meet at 4 p.m. or later are in session.
- 17-20 Fall semester textbook buy back at the Mica Peak Exchange bookstore.
- 17-20 Final exams.
- 20 Fall semester ends.
- 23 Fall semester final grades due.
- 25 **Christmas Day.** Campus closed.
- 26-31 **Holiday Break.** Campus closed.

College Calendar 2012-2013

■ Holidays
 □ Advising/Curriculum Days

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January 2013

- 1 Financial Aid FAFSA forms available online for 2013-2014.
- 1 **New Year's Day.** Campus closed.
- 7 Textbooks available for spring semester.
- 7-18 Financial aid charges for spring semester continue through 2:30 p.m. Jan. 18 at the Mica Peak Exchange bookstore.
- 8 Faculty return to campus.
- 9 Spring course sections cancelled for low enrollment.
- 14 **Spring semester begins.**
- 14-15 Textbook buy back at the Mica Peak Exchange bookstore.
- 14-20 Spring semester course add/drops.
- 16 Payment due by 5 p.m. for students registered for spring semester.
- 16 Payment plan registration due by 5 p.m.
- 16 Drop for non-payment of spring semester tuition and fees.
- 21 **Martin Luther King, Jr. Holiday.** Campus closed.
- 24 Attendance rosters for spring semester course sections due by 10 a.m.
- 24 Drop for non-attendance of spring semester course sections.
- 25 Last day for 100 percent refund for spring semester.
- 29 Financial aid disbursed.

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February 2013

- 1 First Friday campus visitation program for prospective students.
- 18 **Presidents' Day.** Campus closed.
- 19 **Employee Development Day.** Classes that meet at 4 p.m. or later are in session.
- 25 Last day to remove incompletes for fall 2012.

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March 2013

- 1 First Friday campus visitation program for prospective students.
- 4-8 Spring semester midterm exams.
- 12 Spring semester midterm grades due by 10 a.m.
- 15 Priority financial aid and scholarship application deadline.
- 29 Last day to withdraw from full-length spring semester courses or college.

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April 2013

- 1-5 **Spring Break.** Classes not in session.
- 1 Deadline to apply for summer session 2012 graduation.
- 5 First Friday campus visitation program for prospective students.
- 11 **Advising Day.** Only classes that meet at 4 p.m. or later are in session.
- 11 Registration begins for continuing students for summer session by appointment.
- 15 Registration begins for continuing students for fall semester by appointment.
- 22 Registration begins for former students for summer session and fall semester by appointment.
- 29 Registration begins for new students and non-degree seeking students for summer session.
- 29 Registration begins for new dual credit students for fall semester.

College Calendar 2012-2013

- Holidays
- Advising/Curriculum Days

S	M	T	W	T	F	S
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May 2013

- 1 Deadline to apply for fall semester 2012 graduation.
- 3 First Friday campus visitation program for prospective students.
- 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 continues through 1 p.m. May 17 at the Mica Peak Exchange bookstore.
- 17 **Commencement** at 10 a.m. Christianson Gymnasium.
- 20 Four-week and eight-week professional-technical summer sessions begin.
- 21 Spring semester final grades due by 10 a.m.
- 23 Admission application deadline for summer session 2013.
- 27 **Memorial Day.** Campus closed.
- 29 Summer session textbooks available.
- 29-31 Financial aid charges begin at the Mica Peak Exchange bookstore for summer session.
- 30 Orientation, Advising, and Registration Sessions (OARS) begin for new fall semester students by appointment.

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June 2013

- 3-4 Financial aid charges continue through 5 p.m. June 4 at the Mica Peak Exchange bookstore for summer session.
- 3 Registration begins for non-degree seeking students for fall semester.
- 3 **Summer session begins.**
- 3-4 Summer session course add/drops.
- 5 Payment due by 5 p.m. for students registered for summer session.
- 5 Drop for non-payment of summer session tuition and fees.
- 6 Attendance rosters for summer session course sections due by 10 a.m.
- 6 Drop for non-attendance of summer session course sections.
- 7 Last day for 100 percent refund for summer session.
- 7 First Friday campus visitation program for prospective students.
- 11 Financial aid disbursed.
- 14 Four-week professional-technical summer session ends.

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July 2013

- 1 Last day to withdraw from summer session or from college.
- 4 **Independence Day.** Campus closed.
- 12 Eight-week professional-technical summer session ends.
- 22 Carpentry summer session begins.
- 26 Summer session ends.
- 30 Final grades for summer session due by 10 a.m.

ABOUT NORTH IDAHO COLLEGE

Founded in 1933, North Idaho College is a comprehensive community college located on the spectacular shores of Lake Coeur d'Alene and the Spokane River. Quality instruction, small classes, and a caring, talented faculty and staff are the driving forces behind NIC's success.

NIC offers certificates and associate degrees in more than 80 academic and professional-technical programs. Credit courses are offered during fall and spring semesters and during an eight-week summer session. Courses are offered days, evenings, on the NIC campus, at the Post Falls Workforce Training Center, and at outreach sites throughout the five northern counties.

Approximately 6,700 students are enrolled in credit courses with classes averaging approximately 20 students. NIC also operates centers in Ponderay, Kellogg, and Bonners Ferry. The college's Workforce Training Center, located near the Idaho-Washington border in Post Falls, offers non-credit classes and workforce training programs to approximately 6,000 students each year.

NIC's main campus is located in Coeur d'Alene, a destination resort town, which lies in the four-season beauty of North Idaho's famous recreation area. An abundance of outdoor activities are available including mountain biking, boating, fishing, hunting, backpacking, hiking, camping, swimming, snowboarding, and skiing. The campus lies in the city limits of Coeur d'Alene, with a growing population of 39,000 residents with approximately 130,000 residents in Kootenai County. Cultural and social activities are abundant in the lakeside city that is near Spokane, Washington, a metropolitan area of 436,000.

ACCREDITATION

North Idaho College is accredited by the Northwest Commission on Colleges and Universities. The Nursing program is accredited by the National League for Nursing Accrediting Commission. The Radiography Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

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 the establishment of 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.

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 tests 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 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 NIC Communications and Marketing Office or the Admissions Office.

NIC FOUNDATION

The North Idaho College Foundation was founded in 1977 to encourage private support for the academic mission of North Idaho College. The NIC Foundation is an independent, non-profit 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 exceed \$700,000 annually, and more than \$5.1 million has been distributed to students since 1977. In addition, more than \$15 million has been invested in NIC facilities and expansion, including the Meyer Health and Sciences Building, and \$925,000 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 \$250,000 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, but requires completion of 12 or more academic credits or completion of the first semester of a certificate course or apprenticeship program. You need not be a graduate to become a member. Membership benefits include invitations to special events, Molstead Library privileges, personalized ID cards, newsletter subscription, and discounts at the NIC bookstore and home athletics events. To join, visit www.nic.edu/alumni or call (208) 769-7806.

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

NIC BOOSTER CLUB

The North Idaho College Booster Club is a non-profit 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, 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 Scott Hague Memorial Cardinal Golf Classic, and the Rolly Williams Golf Tournament. It also sponsors a booth each year at the North Idaho Fair.

For more information or to become a member, contact the NIC Athletics Office at (208) 769-3348. Meetings 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: (a) withdraw or cancel classes, courses, and programs; (b) change fee schedules; (c) change the academic calendar; (d) change admission and registration

requirements governing instruction in, and graduation from, the college and its various divisions; and, (f) 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 committed to its policy of nondiscrimination on the basis of state and federal protected class status. This policy applies to all programs, services and facilities, and includes, but is not limited to, applications, admissions, access to programs and services, and employment. Such discrimination is prohibited by state and federal laws and regulations.

COLLEGE TERMINOLOGY

North Idaho College acknowledges Pueblo Community College, Oklahoma State University, and Mr. Bill Etheredge for their contributions to this glossary of 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 on page 34 for specifics.

Academic suspension: Students who do not meet the GPA requirements when on probation will be placed on suspension. Suspension requires a student to sit out the semester following suspension. In extraordinary cases, students can petition the Admissions and Academic Standards Committee to grant exemption from suspension. Refer to the Academic Probation, Suspension, and Disqualification Policy on page 34 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 session 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 64 semester credits of 100 level or above courses with a cumulative GPA of 2.0 (a C average).

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 only 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 the semester or the first two weeks of summer session.

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.

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 can be awarded. There is a charge for each test taken. Information concerning an institution's CLEP test policies can be found in the institution's catalog.

COMPASS: An English, reading, and math assessment that determines the most appropriate entry courses for student enrollment.

Concurrent enrollment: A student who is enrolled at NIC and University of Idaho or Lewis-Clark State College in Coeur d'Alene. Students who are receiving financial aid from either UI or LCSC must provide a copy of their financial aid award letter to the NIC Student Accounts Office to defer payment on NIC's tuition and fees. Students must also 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 of a C-.

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.

eLearning: eLearning courses are taught at off-campus locations, by Internet, or interactive video.

District/non-district tuition: See page 28.

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 first week of the semester for courses that meet the entire fall and spring semesters and the first two days for short-term courses or courses taught during summer session. A course may be dropped online with a grade of W (withdrawal) after the drop period has ended.

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 schools 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 from 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.

Honor roll: Students are placed on honor rolls for GPA's 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.

Humanities courses: Humanities courses cover subjects such as literature, philosophy, foreign languages, and the fine arts. Most undergraduate degrees require a certain number of humanities credit hours.

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 (IVC): These courses are delivered to off-campus sites by technology that allows interaction between students and faculty through two-way audio and video.

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 GPA's in determining students' grades. Most colleges figure GPA's using the following method: A's are worth 4 points; B's are worth 3 points; C's are worth 2 points; D's are worth 1 point; and F's 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.

Non-credit courses: Some courses 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.

Orientation, Advising, and Registration Session (OARS): This session, which includes orientation and advising, is the process by which new degree-seeking students register for courses.

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 Class Schedule by course department, course number, time and days the course meets, the room number and 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.

Student Identification Card (Student ID): A student ID card is usually required in college. A student ID card generally includes a photograph of the student, a student number, the student’s name, the name of the college, and the semester enrolled. The ID requires validation each semester. Student ID cards provide access to numerous areas on campus and to a variety of events at a discount. Students must present their ID cards to check out library books, use the computer labs, check out gym equipment, or rent equipment in the Student Union Building Activities Center, and Outdoor Pursuits.

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 any 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. Tutors usually help students better understand course material and earn better grades. At NIC, students may receive two free hours of tutoring per class, per week.

Undergraduate: An undergraduate is a student who is pursuing either a certificate or an associate’s or 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.

Web-Enhanced (WEBE): These courses are conducted face-to-face with online components.



Important Information for Students

North Idaho College 2012-2013

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 athletic 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. Veteran's 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.

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 is a tobacco-free campus. Smoking (including e-cigarettes), all modes of tobacco use, and tobacco sales (including smokeless tobacco products) are prohibited on NIC-owned, -operated, or -leased properties including parking lots, walkways, sidewalks, sports venues, and college-owned and private vehicles parked or operated on college property.

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 710 Military Drive, Coeur d'Alene or by calling (208) 769-3310.

CRIME STATISTICS

The personal safety and security of students, staff, and visitors, and the protection of property are a high priority at North Idaho College. By law, the college is required to report crimes that occur on its campus.

CRIMINAL OFFENSES	2009	2010	2011
On-Campus			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	0	0	0
Burglary	5	4	0
Robbery	0	0	0
Larceny/theft	11	22	13
Motor vehicle theft	1	1	1
Forcible sex offenses (including forcible rape)	0	1	0
Non-forcible sex offenses	0	0	0
Vandalism	10	9	12
Arson	0	0	0
On-Campus Residence Hall			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	0	0	0
Burglary	5	0	0
Robbery	0	0	0
Larceny/theft	11	2	2
Motor vehicle theft	1	0	0
Forcible sex offenses (including forcible rape)	0	1	0
Non-forcible sex offenses	0	0	0
Vandalism	10	0	0
Arson	0	0	0
Non Campus			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	0	0	0
Burglary	0	0	0
Robbery	0	0	0
Larceny/theft	0	0	1
Motor vehicle theft	0	0	0
Forcible sex offenses (including forcible rape)	0	0	0
Non-forcible sex offenses	0	0	0
Vandalism	0	0	0
Arson	0	0	0
Public Property			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	0	0	0
Burglary	0	0	0
Robbery	0	0	0
Larceny/theft	1	0	2
Motor vehicle theft	0	0	0
Forcible sex offenses (including forcible rape)	0	0	0
Non-forcible sex offenses	0	0	0
Vandalism	0	0	0
Arson	0	0	0
ARRESTS			
On-Campus			
Liquor law violations	0	8	4
Drug law violations	3	2	0
Illegal weapons possessions	0	1	0
On-Campus Residence Halls			
Liquor law violations	0	4	0
Drug law violations	2	2	0
Illegal weapons possessions	0	0	0
Non-Campus			
Liquor law violations	0	0	0
Drug law violations	0	0	0
Illegal weapons possessions	0	0	0
Public Property			
Liquor law violations	0	0	0
Drug law violations	0	0	0
Illegal weapons possessions	0	0	0

	2009	2010	2011
DISCIPLINARY REFERRALS			
On-Campus			
Liquor law violations	39	33	21
Drug law violations	1	0	7
Illegal weapons possessions	0	0	0
On-Campus Residence Halls			
Liquor law violations	39	33	19
Drug law violations	0	0	7
Illegal weapons possessions	0	0	0
Non-Campus			
Liquor law violations	0	0	0
Drug law violations	0	0	0
Illegal weapons possessions	0	0	0
Public Property			
Liquor law violations	3	0	0
Drug law violations	0	2	0
Illegal weapons possessions	0	0	0
HATE OFFENSES			
On-Campus			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	1	0	0
Forcible sex offenses (including forcible rape)	0	0	0
Non-forcible sex offenses	0	0	0
Burglary	0	0	0
Robbery	0	0	0
Larceny/theft	0	0	0
Motor vehicle theft	0	0	0
Vandalism/destruction of property	0	0	0
Arson	0	0	0
On-Campus Residence Hall			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	1	0	0
Forcible sex offenses (including forcible rape)	0	0	0
Non-forcible sex offenses	0	0	0
Burglary	0	0	0
Robbery	0	0	0
Larceny/theft	0	0	0
Motor vehicle theft	0	0	0
Vandalism/destruction of property	0	0	0
Arson	0	0	0
Non-Campus			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	0	0	0
Forcible sex offenses (including forcible rape)	0	0	0
Non-forcible sex offenses	0	0	0
Burglary	0	0	0
Robbery	0	0	0
Larceny/theft	0	0	0
Motor vehicle theft	0	0	0
Vandalism/destruction of property	0	0	0
Arson	0	0	0
Public Property			
Murder/non-negligent manslaughter	0	0	0
Negligent manslaughter	0	0	0
Aggravated assault	0	0	0
Simple assault	0	0	0
Forcible sex offenses (including forcible rape)	0	0	0
Non-forcible sex offenses	0	0	0
Burglary	0	0	0
Robbery	0	0	0
Larceny/theft	0	0	0
Motor vehicle theft	0	0	0
Vandalism/destruction of property	0	0	0
Arson	0	0	0

Crimes that are not reported cannot be reflected in this report. The college also maintains facilities in Bonners Ferry, Post Falls, Ponderay, and Kellogg.

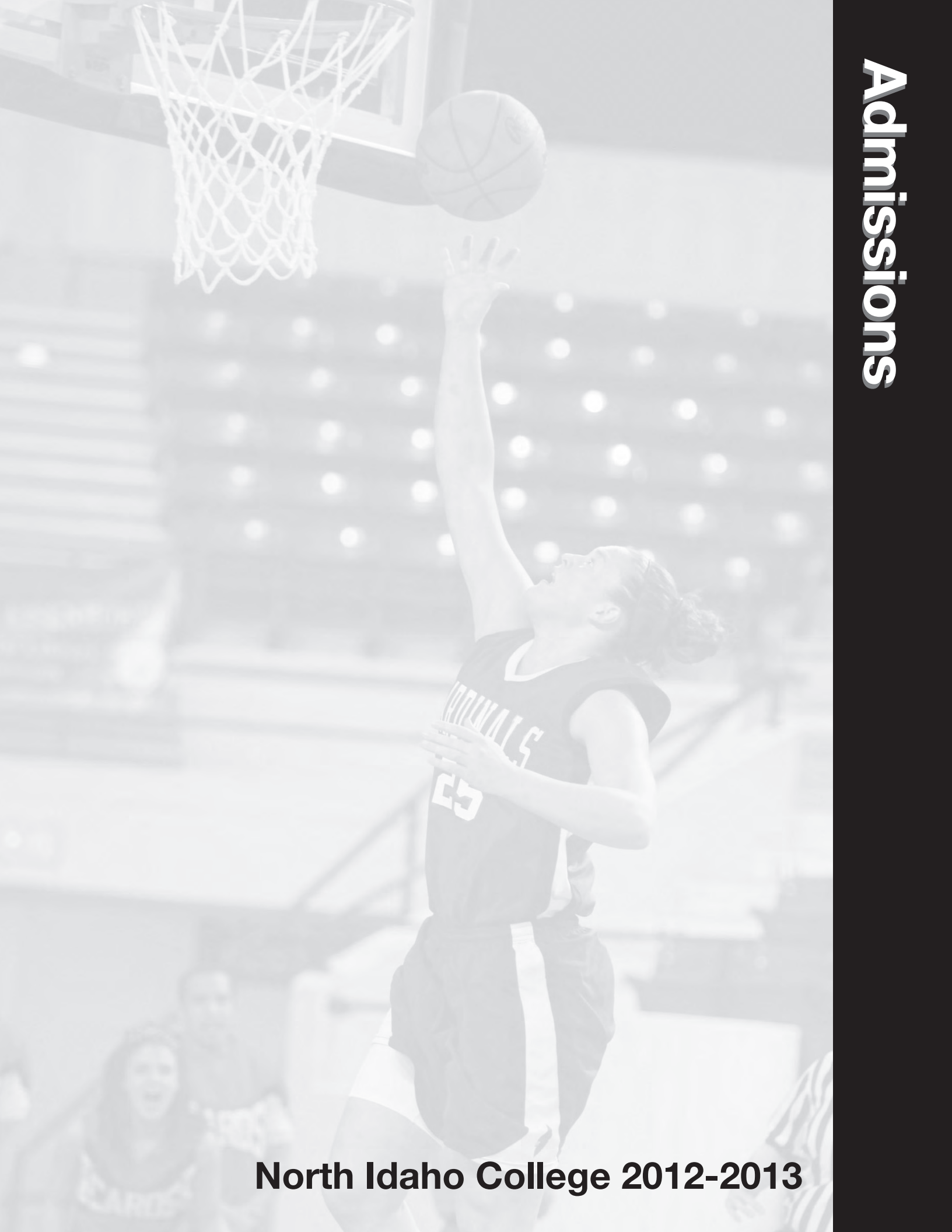
EMERGENCY PHONES

Eight 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, staff, 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.

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 will 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 and click on "Return of Title IV Funds."



Admissions

North Idaho College 2012-2013

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, 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 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)
- Pay the one-time \$25 application fee (nonrefundable).
- Submit one of the following:
 - A high school transcript showing graduation. OR
 - A home school transcript showing high school/secondary school graduation. OR
 - Official GED transcripts.
- Take the NIC placement test (COMPASS®) or submit a copy of your ACT or SAT scores. Placement 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 do not need to reapply for admission, but need to reactivate their files by completing a Student Record Update form and submitting it to the Admissions Office.

NON-DEGREE SEEKING STUDENTS

Students interested in taking classes for personal enrichment, to improve job skills, or for other educational purposes can attend NIC as non-degree seeking students. 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 to the Admissions Office if they wish to pursue a degree or certificate.

NON-HIGH SCHOOL GRADUATES

Non-high school graduates or students who have graduated from non-accredited high schools, 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.
2. The \$25 application fee in U.S. funds (non-refundable, one-time fee).
3. Official secondary (high school) transcript and confirmation of graduation (an original, certified English translation must accompany those documents that are not in English).
4. Official transcripts from all colleges attended (an original, certified English translation must accompany those documents that are not in English).
5. Official Test of English as a Foreign Language (TOEFL) Scores. Minimum scores are 500 (paper-based), 173 (computer-based), and 61 (Internet-based).

Information about the TOEFL is available on the Internet at www.ets.org.

6. Certificate of Health signed by a recognized medical agency which includes complete immunization records.
7. Proof of Health Insurance.
8. 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. Estimated costs for the 2012-2013 academic year are listed below.

Tuition and Fees	\$7,534
Room and Board*	\$6,200
Books, Supplies, Incidentals	<u>\$1,484</u>
Total *	\$15,218

* 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: Office of Admissions
 North Idaho College
 1000 West Garden Avenue
 Coeur d'Alene, ID 83814 USA

PROGRAMS WITH SPECIAL ADMISSION REQUIREMENTS

Limited Enrollment Professional-Technical Programs

Certain professional-technical 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:

- Automotive Technology
- Carpentry
- Collision Repair Technology
- Computer Aided Design Technology
- Computer Information Technology
- Culinary Arts
- Diesel Technology
- Heating, Ventilation, Air Conditioning/Refrigeration
- Machine and CNC Technology
- Maintenance Mechanic/Millwright
- Medical Assistant
- Outdoor Power/Recreational Vehicle Technology
- Welding Technology

Applicants should submit admissions materials 6-12 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.
- The \$25 application fee (non-refundable one time fee).
- Assessment materials in the form of the COMPASS, 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.

Students accepted into a limited enrollment program 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.

For more information, contact the Admissions Office at (208) 769-3311 or the Professional-Technical 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.

- Carpentry Management Technology
- Law Enforcement
- Pharmacy Technology

- Physical Therapist Assistant
- Practical Nursing
- Radiography Technology
- Registered Nursing

Dual Credit for High School Students

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

Dual credit students are not eligible for financial aid. Complete details about the Dual Credit program are available from high school counselors.

To be eligible students must be at least 16 years old and/or have successfully completed at least half of their graduation requirements.

Dual Credit Application and Registration Process:

1. Meet with a high school counselor to determine eligibility.
2. Submit an NIC Application for Admission.
3. Submit completed Dual Credit Authorization Form, with high school counselor and parent signatures.
4. Take the COMPASS assessment or submit ACT/SAT test scores for proper course placement.

For more information, contact the dual credit coordinator at (208) 769-3229.

Tech Prep for High School Students

The Tech Prep Advanced Learning Partnership is a statewide professional-technical program that coordinates high school curriculum with a college professional-technical program. Students enrolled in approved high school programs throughout the state may receive post-secondary credit from NIC toward a professional-technical certificate or degree. This process allows student to begin working on an Associate of Applied Science degree or Advanced Technical Certificate while still in high school. Tech Prep students can either earn a degree in a shorter amount of time or go into greater depth of study.

For more information about the Tech Prep Advanced Learning Partnership, contact the regional office at (208) 769-5964.

PLACEMENT ASSESSMENT

The placement assessment (COMPASS) is an important part of enrollment because it measures each student's entry skills in reading, writing, and math. Scores are used to identify courses needed to ensure 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.

ACT, SAT, or ASSET scores can substitute for COMPASS scores in fulfilling the placement assessment requirement.

COMPASS appointments can be scheduled online at www.nic.edu/compass after applying for admission to the college. Information about the COMPASS is available online at www.nic.edu/testingcenter. Placement scores previously earned within two years from the date of course registration may satisfy the assessment requirement by having official copies of the ACT, SAT, COMPASS, or ASSET score report sent to the NIC Admissions Office, 1000 W. Garden Avenue, Coeur d'Alene, ID 83814. If you have questions about placement assessments, contact Advising Services at (208) 769-7821.

OUTREACH CENTERS

NIC has outreach centers in Bonners Ferry, Ponderay, and the Silver Valley. These centers offer a variety of services, including admissions and academic advising, proctored testing, credit and non-credit courses, adult basic education courses, and GED instruction and testing. To learn more about the specific services and courses offered at the outreach center near you, call or visit:

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

NIC Ponderay Center (*This center is expected to relocate to 102 South Euclid Street in Sandpoint, Idaho in the summer of 2012*)
300 Bonner Mall Way, Suite 81
Ponderay, ID 83852
(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.bookstore.nic.edu.

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 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 determination by submitting a written appeal to the Admissions Office who will forward it to the vice president for Student Services.

Idaho Residents – In-District

Idaho residents who reside in Kootenai, Ada, 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, 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, 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. Non-district tuition rates do not apply to students enrolled in professional-technical programs.

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 page 28 for tuition rate tables).

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 page 28 for tuition rate tables).

Alaska	New Mexico
Arizona	North Dakota
California	Oregon
Colorado	South Dakota
Hawaii	Utah
Montana	Wyoming
Nevada	

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.

Welcome New Students
Orientation, Advising, & Registration Sessions

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.

**For information about
financial aid go to
www.nic.edu/financialaid**

<i>Source of Funding</i>	<i>Eligibility Requirements</i>	<i>Available Amounts</i>
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 \$5,550 (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 and completes the FAFSA by the priority deadline.	Eligibility determined by Financial Aid Office.
Grant-in-Aid (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 NIC Scholarship Committee.	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 At least half-time (6 credits) enrollment.	Parents may borrow up to the cost of education minus previously awarded financial aid.
WORK-STUDY		
Federal Work-Study	Complete the FAFSA at www.fafsa.ed.gov At least half-time (6 credits) enrollment.	Minimum award is \$1,000.
Idaho Work-Study	Complete the FAFSA at www.fafsa.ed.gov At least half-time (6 credits) enrollment.	Minimum award is \$1,000.

ELIGIBILITY for FINANCIAL AID

North Idaho College awards financial aid on the basis of *merit* and *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 Estimated 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 other 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 "FAQs" section at www.nic.edu/financialaid.

APPLYING for SCHOLARSHIPS

Students interested in scholarships need to complete the Scholarship Application available in the Financial Aid Office or online by clicking "NIC Scholarships" at www.nic.edu/financialaid. Scholarships offered through the state may be accessed by going to the Idaho State Board of Education website at www.boardofed.idaho.gov/scholarships.

APPLYING for FINANCIAL AID

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.

The earlier the student applies the better the chances are for receiving full financial aid funding. Students who complete the financial aid application process prior to the **March 14** priority deadline will be considered for all types of financial aid. Those who apply after that date will be considered for the Federal Pell Grant, the Federal Stafford Loan, and any other funds that are available.

To apply for financial aid, follow the steps below:

1. With the Department of Education

- Apply for PIN at www.pin.ed.gov
- Fill out the FAFSA at www.fafsa.ed.gov (NIC's school code is 00162300).

2. With the NIC Financial Aid Office

- (www.nic.edu/financialaid)
- Fill out an NIC scholarship application.
 - Fill out an Idaho scholarship application which is available at www.boardofed.idaho.gov/scholarships.
 - Submit requested documentation if you are selected for verification.
 - Your award can be viewed online in your MyNIC, Services, Financial Aid tab.
 - Your award must be accepted or rejected electronically in your MyNIC, Services, Financial Aid tab.

3. For Loans

- The Entrance Counseling and Master Promissory Notes can be completed at www.studentloans.gov.

BOOKSTORE CHARGES and FINANCIAL AID

Students who have been approved to receive financial aid through the NIC Financial Aid Office will be allowed to charge books and supplies at the NIC Bookstore beginning the week prior to the start of classes through the first 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 website at www.nic.edu/financialaid.



Tuition and Fees

North Idaho College 2012-2013

TUITION and FEES for 2012-2013

Amounts are subject to change. By registering at North Idaho College, you agree to provide payment by the due dates. You also understand that collection costs and legal fees will be added if the services of a collection agency are utilized.

Tuition and fees at NIC 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 figures below do not include personal expenses or transportation. Books and supplies for academic transfer programs are estimated at \$500 per semester.

ACADEMIC TRANSFER PROGRAMS			
<u>12 or more credits:</u>	Fall	Spring	Total
Kootenai County Residents	\$1,423	\$1,423	\$2,846
Non-Kootenai County Idaho Residents			
Students qualifying for county support	\$1,423	\$1,423	\$2,846
Students not qualifying for county support	\$1,923	\$1,923	\$3,846
Washington Residents	\$2,422	\$2,422	\$4,844
Western Undergraduate Exchange	\$2,885	\$2,885	\$5,770
Out-of-State/International Students	\$3,767	\$3,767	\$7,534
<u>17 or more credits</u> are assessed the following nonrefundable per-credit fee:			
Idaho Residents	\$118	\$118	--
Washington Residents	\$201	\$201	--
Western Undergraduate Exchange	\$240	\$240	--
Out-of-State/International Students	\$313	\$313	--
<u>11 credits or less</u> are assessed the following PER CREDIT fee:			
	1 credit	2-11 credits	
Kootenai County Residents	\$129	\$118	
Non-Kootenai County Idaho Residents			
Students qualifying for county support	\$129	\$118	
Students not qualifying for county support	\$171	\$160	
Washington Residents	\$212	\$201	
Western Undergraduate Exchange	\$251	\$240	
Out-of-State/International Students	\$324	\$313	

PROFESSIONAL-TECHNICAL PROGRAMS

Tuition and fees vary by length of program. Depending on the program (which may vary from 9-11 months), students will make payment for each semester and for any additional terms that may be included in the program. The cost for tools, supplies, and books also varies with each program. **Additional course fees may apply.**

Idaho Residents

Tuition and Fees \$2,846 - \$3,572

Washington and Montana Residents

Tuition and Fees \$4,844 - \$6,062

Western Undergraduate Exchange

Tuition and Fees \$5,770 - \$7,138

Out-of-State/International Students

Tuition and Fees \$7,534 - \$9,334

In addition, programs may also have additional costs for books, supplies, and tools which may vary from \$500 to \$3,000 per year.

**SUMMARY of TUITION and FEES
FOR 2012-2013 SCHOOL YEAR
(per semester)**

Rates are subject to change.

Tuition	\$924
General Fees (paid as part of tuition and fees)	
Associated Student Body	\$25
Athletics	\$36
Commencement.....	\$4
Enrollment Services.....	\$86
Health Services.....	\$34
Instructional Technology.....	\$123
Learning Assistance	\$45
Library Services	\$4
Student Accident Insurance (on first credit).....	\$11
Student Activities and Recreation	\$38
Student Service Fee (Debt).....	\$93
Total tuition and fees	\$1,423

**SPECIAL and INCIDENTAL FEES
(SUBJECT TO CHANGE WITHOUT NOTICE)**

Admission Fee	\$25
This one-time fee is required at the time of submitting an initial Application for Admission. It is non-refundable.	
GED Testing Fee	\$15 per test
On-Campus Parking Fee	\$30 per year
Special Course Fees	Varies
Special fees are assessed for such things as labs, some physical education courses, and some music classes. Special fees are listed in the Class Schedule.	
Transcript Fee	\$5
Official transcripts are \$5 each. Turn around time is 5-10 days. Please note that transcripts will not be processed if a student has a financial hold on their records. Financial holds include parking fines, library fines, delinquent loan payments, etc.	
Rush Transcript Fee	\$10
A transcript will be mailed or ready for pick-up on the same day, if the request is received before noon. If received after noon, the transcript will be ready the next working day. An additional fee is required for overnight mailing.	
Rush Transcript With Express Mail Delivery Fee	\$30
A transcript will be express mailed and delivered by noon on the next business day, if the request is received before noon.	
Residence Hall Room and Board	\$6,200 - \$9,000

DEPOSITS

Nursing Programs Deposit (R.N., L.P.N.)	\$100
The Nursing program deposit is due by May 1 . It will be applied to the tuition and fee charges for the initial semester or term of enrollment. Deposits may be refunded if notification of cancellation is officially given to the Admissions Office by July 1. No refund will be given if a student withdraws after the prescribed deadline.	
Professional-Technical Program Deposit	\$100
After being accepted into a specific professional-technical program, students will be asked to submit a \$100 deposit within three weeks of the date of their acceptance letter. The deposit will be applied to the tuition and fee charges for the initial semester or term of enrollment. See page 19 for those programs that require a deposit.	

Residence Hall Security Deposit **\$200**
 A \$200 deposit must accompany the signed application/contract and 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 residence hall (less any deductions for losses, damages, or fines).

**TUITION and FEES
PAYMENT PROCEDURES**

Tuition, fees, and any special fees must be paid on or before the due date printed on the Statement of Account/Class Schedule statement when you register in person. Payment must be made 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 **cancelled** 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 overpayments, 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.

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

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 SEMESTER-LENGTH COURSES

Full-time or part-time students who drop from 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 second Friday 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 second Friday 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 first Friday 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, provided the student's enrollment drops below eight credits.

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 cancelled, students will receive a full refund for the class, provided the student's enrollment drops below eight credits.

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

North Idaho College provides a tuition payment plan option through Advanced Education Services, Inc. (AES), a nationally-recognized provider of education payment services. AES can be reached by calling their toll free number at (800) 3551-2773 ext.15. The Interest-Free Monthly Payment Option allows for tuition and other expenses to be divided into three or four monthly payments, spread over the semester.

There is a \$50 semester enrollment fee (non-refundable, only available during the fall and spring semesters). The payment plan option is not a loan, so anyone is eligible to participate.

Automatic monthly deductions from checking, savings, or credit card are available. A 3 percent convenience fee will be charged to each credit card payment.

Academic and Registration Info



North Idaho College 2012-2013

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 on pages 4-7 of this catalog has information regarding application and registration dates. Registration information is available at www.nic.edu.

After applying for admission, 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.

Students with a financial hold such as parking fines, library fines, or delinquent loan payments cannot 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. By logging onto MyNIC, students can access their class schedules, unofficial transcripts, admissions and financial aid information, the name of their advisor, assessment scores, forms, and important announcements. MyNIC 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 for how to log in.

MyNIC is available from 6:30 a.m. to 1:55 a.m. (Pacific time) seven days a week. 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 enrolled for 11 credits or less pay on a per-credit hour basis, plus any special class fees. Students registering for 17 credits or more will be assessed a nonrefundable overload fee at the regular per-credit rate.

New and former students from Idaho who reside outside of Kootenai County are required to provide a Certificate of Residency to the Students Accounts Office in Lee-Kildow Hall 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. The add/drop period is the first week of fall and spring semesters

and the first two days of summer session. 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 on MyNIC after the add/drop period ends. For all short-term classes, drops with no grade must be processed prior to the second class meeting.

DROP WITH A GRADE OF W from INDIVIDUAL COURSES

To drop with a grade of W from a course, a student must log-in to their MyNIC account and drop the course. Final dates for drops with a grade of W are published on the college calendar located on pages 4-7. After the final drop with a grade of W date, students may not drop from a class regardless of their academic status. A student who drops with a grade of W officially from a course by the last day for drops with a grade of W will have a grade of W recorded on the student's 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 class sessions; i.e., the deadline for a drop with a grade of W from a course that consists of eight sessions would be on the date of the fourth session. Drops with a grade of W from summer session are permitted through the first day of the sixth 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.

DROP WITH A GRADE OF W from ALL NIC COURSES

To drop all courses with a grade of W, a student must log-in to their MyNIC account and drop all of their courses. Students may not drop with a grade of W from college after the published drop with a grade of W dates for that semester except for 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. Information on refunds of tuition and fees following a drop from all courses is on page 30.

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 and have 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 four weeks of the semester or the first two weeks of summer session. Forms and information are available in the Registrar's Office.

DIRECTED STUDIES

Directed study courses are identical to courses outlined in the catalog. A student must demonstrate that the course is required for graduation or program purposes and that taking the course through directed study is the only option available to them. Directed study courses must be approved by the instructor, appropriate division chair, and vice president for instruction. Students may register for independent study classes during the first four weeks of the semester or the first two weeks of summer session. Forms and information are available in the Registrar's Office.

ADDRESS/NAME CHANGES

Students' correct names, home, and/or local addresses are vital for college records. Students who change their name or 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:

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
NR		No Report
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); 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:

$$\text{English 101: (B-)} \quad 2.7 \times 3 \text{ credits} = 8.1 \text{ grade points}$$

$$\text{Math 108: (C)} \quad 2.0 \times 4 \text{ credits} = 8.0 \text{ grade points}$$

$$8.1 + 8.0 = 16.1 \text{ grade points} \div 7 \text{ credits} = 2.3 \text{ GPA}$$

Academic Appeals/Instructional Petitions

To appeal any decision, action, or inaction pertaining to instructional issues such as concerns about an instructor, change of grade, course substitutions, academic sanctions, or other instructional matters, the student should:

STEP 1:

Discuss the issue in question with the original decision maker, e.g., an instructor. 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 making and/or enforcing the questioned decision and schedule an appointment with that person. This supervisor may be a director or a division chair. In this informal meeting, the student will be expected to verbally explain the situation, indicate concerns, and suggest possible solutions. If not satisfied with the results of this meeting, the student should seek further review as follows:

STEP 2 A: Admissions and Academic Standards Committee

Exceptions to late withdrawal from college (all courses), reinstatement to college following disqualification or suspension, and transfer and/or substitution of course credits that NIC transcript evaluators have not accepted as satisfying graduation requirements may be requested through the Admissions and Academic Standards Committee. Appeal forms are available at the Registrar's Office located in Lee-Kildow Hall. **Petitions for late drops with a grade of W must be submitted within two years of the end of the semester from which a student requests a drop with a grade of W.**

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 two years of the original grade issuance.**
- 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.

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. 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 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.

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, 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 add/drop period of any term.

Policy for Students Under 26 Credits

A student must earn a cumulative grade point average of 1.75 or higher to remain in Good Standing. A student whose cumulative grade point average is less than 1.75 will be placed on Academic Probation.

A student on Academic Probation is required to maintain a 2.00 semester grade point average until his/her cumulative grade point average returns to a 1.75. A student on Academic Probation whose semester grade point average does not meet the 2.00 requirement or whose cumulative grade point average does not return to 1.75 will be placed on Academic Suspension.

Once on Academic Suspension, the student will be required to sit out for one semester or petition the Admissions and Academic Standards Committee for reentry. A student reinstated from Academic Suspension is required to earn a semester grade point average of 2.00 until their cumulative grade point average reaches a 1.75. If the grade point average requirements are not met, the student will be placed on Academic Disqualification. A student placed on Academic Disqualification must petition the Admissions and Academic Standards Committee to return to the college.

Policy for Students With 26 Credits or More

A student must earn a cumulative grade point average of 2.00 or higher to remain in Good Standing. A student whose cumulative grade point average is less than 2.00 will be placed on Academic Probation.

A student on Academic Probation is required to maintain a 2.00 semester grade point average until his/her cumulative grade point average returns to a 2.00. A student on Academic Probation whose semester grade point average does not meet the 2.00 requirement or whose cumulative grade point average does not return to 2.00 will be placed on Academic Suspension.

Once on Academic Suspension, the student will be required to sit out for one semester or petition the Admissions and Academic Standards Committee for reentry. A student reinstated from Academic Suspension is required to earn a semester grade point average of 2.00 until their cumulative grade point average reaches a 2.00. If the grade point average requirements are not met, the student will be placed on Academic Disqualification. A student placed on Academic Disqualification must petition the Admissions and Academic Standards Committee to return to the college.

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 16 credits will be assessed a non-refundable, per-credit overload fee and 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 16 credits per semester to graduate in four semesters.

Freshman and Sophomore Classification

Students with 0-25 semester credits are classified as freshmen, those with 26-64 semester credits are classified as sophomores.

Course Numbering System

- 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 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 specific regulations.

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.

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, **April 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. Only one associate of arts or associate of science degree will be granted to each student.

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

Catalogs are available online. North Idaho College students completing either an associate's degree or certificate of completion may apply for graduation using any catalog in effect within the last four years. This policy is in effect only if the student has been continuously enrolled at the college at the time of graduation.

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.

Physical Education Requirement

All A.A. and A.S. degrees require two credits of physical education unless excused for cause. These requirements are met by completing two semesters of P.E. activity or dance class that awards a letter grade – P.E. classes designated for senior citizens do not meet this requirement. Participants in intercollegiate athletics may receive one credit per semester per sport.

Disabled students may be exempt from physical education activity course requirements upon the recommendation of a physician and the approval of the division chair, if alternative activity courses cannot be arranged. All students, regardless of age, must meet physical education requirements. Students enrolling in designated physical education activity courses may be charged extra fees payable at registration.

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 in writing and can be submitted by mail, fax at (208) 769-5976, or in person to the Registrar's Office. Request forms and additional information are 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 are \$5 each or \$10 if needed in 24 hours or less. 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. Regular class attendance is expected. In the case of recipients of veterans educational benefits, excessive absences may mean a reduction in subsistence payments.

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.

Drop for Non-Attendance

To ensure that students who receive financial aid are attending classes, an attendance guideline will be used for the first week of each semester. Instructors will submit electronic attendance records for all classes by 10 a.m. on the second Thursday of each semester. Students will immediately be dropped from the classes they have not attended. Financial aid awards will be adjusted based on attendance.



Workforce Training and Community Education

North Idaho College 2012-2013

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 and is mailed to Kootenai County residents. 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. The Workforce Training Center is a self-sustaining entity of North Idaho College so that class expenses are supported by registration fees.

Workforce Development (208) 769-3333

Workforce Development offers open enrollment career or job-related classes in a variety of subject areas. The objective of these courses is to enhance skills for employment, whether new skills or for potential job advancement. Classes are generally short term, credit-free, conveniently scheduled, and do not require lengthy preparation.

New classes begin weekly, all year. Easy registration is usually without transcript, grade, academic, or residential requirements. 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; real estate; career development; and industry and trades, including apprenticeship instruction in electrical; plumbing; and heating, ventilation, and air conditioning. Each participant satisfactorily completing approved continuing education courses, seminars, conferences, or workshops is awarded Continuing Education Units (CEUs) in recognition of their participation.

Community Education (208) 769-3333

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 an interesting subject. 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 crafts and hobbies, creative and performing arts, healthy living, home and garden, language and culture, money management, 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 assessing, 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 training solutions for increased knowledge, performance, and productivity.

- The business defines the learning and performance objectives which drives the training content.
- Staff is engaged in the training effort through inclusion of planning and innovative training delivery.
- Employees receive training that is customized to meet the specific goals and objectives of the organization.
- Delivery of training is scheduled at a time and location the business chooses.
- Training content is current, accurate, and timely.

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 Development Center.

Idaho Small Business Development Center (208) 666-8009

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 Idaho SBDC grow on the average 700 percent faster than typical businesses in Idaho. The Idaho SBDC serves businesses in manufacturing, wholesale, service, and retail industries. The Idaho 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 Idaho SBDC serves as the focal point for linking together the federal, state, and local resources.

For more information, call (208) 665-5085 or email ISBDC@nic.edu.

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 participants 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. For more information or to see if this program can assist you in reaching your goals, call (208) 666-8012.

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



North Idaho College 2012-2013

INFORMATION ABOUT TRANSFERRING

General studies opportunities are possible in multiple areas of emphasis that can provide the first half of a bachelor's degree at nearly all transfer institutions. This catalog offers an education planning guide for each area of emphasis that lists some of the courses commonly required at regional transfer institutions. These 100- and 200-level courses are often referred to as lower division requirements. Upper division requirements are 300- and 400-level courses that must be completed at the transfer institution.

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
- Area of Emphasis (or Major) Courses
- Transfer Specific Courses

Sometimes courses in one group may also fulfill requirements in another group. NIC advisors will help you to combine courses from each group to design a personal education plan. Consultation with the intended transfer institution should always be part of this design process.

General Education Courses

These are courses required for completion of an NIC associate's degree and for fulfilling the general education requirements at other institutions. General requirements are defined in the description of the Associate of Arts degree and the Associate of Science degree on pages 50-54. Choosing between the A.S. or the A.A. degree involves deciding which degree best coincides with your Area of Emphasis courses and Transfer Specific courses. Most area transfer institutions have agreed to accept either degree in automatically fulfilling their general education requirements. In the absence of the A.S. or A.A. degrees, transfer institutions will determine the completion of their general education requirements through an evaluation of your transcript to verify whether your completed courses individually fulfill each specific requirement.

Area of Emphasis Courses

These discipline-specific courses fulfill the lower division requirements of your intended major at most regional transfer institutions.

Transfer Specific Courses

These are additional lower division courses that may be required specifically by your intended transfer institution and are selected in consultation with that institution.

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PROFESSIONAL-TECHNICAL AND OCCUPATIONAL PROGRAM OPTIONS

Students enrolled in a professional-technical 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

Students may qualify for a technical certificate of completion by completing a professional-technical program with an earned overall grade point average of at least 2.00 (C). A grade of C- or better is also required for each specific course listed within the program outline. This certificate is awarded for professional-technical programs that do not meet the criteria for other professional-technical certificates and consist of seven semester credits or less.

Postsecondary Technical Certificate

Students may qualify for a Postsecondary Technical Certificate by completing a professional-technical program with an earned overall grade point average of at least 2.00 (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 professional-technical programs of instruction of at least eight semester credit hours and mastery of specific competencies drawn from requirements of business/industry.

Technical Certificate

Students may qualify for a Technical Certificate by completing a professional-technical program with an earned overall grade point average of at least 2.00 (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 27 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

Students may qualify for an Advanced Technical Certificate by completing a professional-technical program with an earned overall grade point average of at least 2.00 (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 business/industry.

Associate of Applied Science Degree

Students may qualify for an Associate of Applied Science degree by completing a professional-technical program with an earned overall grade point average of at least 2.00 (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.

Requirements are listed on page 54. 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 professional-technical 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 (8,000 hours) of U.S. Bureau of Apprenticeship and Training (BAT) requirements. For information, call the NIC Admissions Office at (208) 769-3311.

Limited-Enrollment Program Entry

Certain professional-technical programs have limited capacity and/or additional admission requirements (see page 19, Programs with Special 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 professional-technical 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 professional-technical advisor.

Hands-on Training

Professional-technical 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 professional-technical program. Those wishing additional information or to tour the facilities may contact Professional-Technical Student Support Services at (208) 769-3448.

PROFESSIONAL-TECHNICAL/ OCCUPATIONAL PROGRAM OPTIONS

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¹ **Selective Program:** Admission process and requirements are explained on the appropriate page number.

² **Limited Enrollment Program:** Early application is encouraged. See admissions requirements on page 17.

GENERAL EDUCATION for DEGREE-SEEKING STUDENTS

General Education is defined at North Idaho College as a series of learning experiences that provide the knowledge, skills, and attitudes necessary for individuals to function well in society. These learning experiences are designed for all students, but for degree-seeking students in particular.

In pursuing a degree at NIC, the expected general education learning outcomes of the degree programs are expressed through a framework of nine “abilities.” NIC believes these abilities will contribute to the development of individuals who are active, productive, and personally-fulfilled members of a highly diverse, ever-changing society.

The expected student learning outcomes for each ability are described below and are listed under each degree requirement heading on the following pages.

1. Critical/Creative Thinking and Problem Solving:

The student will demonstrate the ability to analyze and evaluate information and arguments, and construct a well-supported argument. The student will select or design appropriate frameworks and strategies to solve problems in multiple contexts individually and collaboratively.

2. Communication:

The student will recognize, send, and respond to communications for varied audiences and purposes by the use of reading, writing, speaking, and listening.

3. Mathematical, Scientific, and Symbolic Reasoning:

The student will demonstrate the ability to apply mathematical and scientific reasoning to investigate and solve problems.

4. Historical, Cultural, Environmental, and Global Awareness:

The student will demonstrate the ability to think globally and inclusively with a basic understanding of key ideas, achievements, issues, diverse cultural views, and events as they pertain locally, nationally, and globally.

5. Aesthetic Response:

The student will demonstrate the ability to recognize the elements of design, the unifying element, context, purpose, and effect of craftsmanship and artistic creations.

6. Social Responsibility/Citizenship:

The student will demonstrate awareness of the relationships that exist between an individual and social groups, private/public institutions, and/or the environment, the nature of these relationships, the rights and responsibilities of these relationships, and the consequences that result from changes in these relationships.

7. Information Literacy:

The student will develop the ability to access information for a given need, develop an integrated set of skills (research strategy and evaluation), and have knowledge of information tools and resources.

8. Valuing/Ethical Reasoning:

The student will demonstrate the ability to apply what one knows, believes, and understands toward developing an empathetic and analytical understanding of others' value perspectives. The student will incorporate valuing in decision-making in multiple contexts.

9. Wellness:

The student will demonstrate an understanding of the factors that contribute to physical, emotional, psychological, occupational, social, and spiritual well-being, life-long learning, and success.

Degree Requirements

North Idaho College 2012-2013

THE ASSOCIATE OF ARTS (A.A.) DEGREE

To qualify for an Associate of Arts degree, a candidate must:

1. Complete a minimum of 64 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.

* Courses that are listed in more than one area may be used to fulfill only one requirement.

ARTS AND HUMANITIES

Expected General Education Learning Outcomes: Aesthetic Response, Critical Thinking, and Valuing/Ethical Reasoning.

Complete one course in each group: (6 credits)

Group 1

___ ART	100	Survey of Art	3
___ ART	101	History of Western Art I	3
___ ART	102	History of Western Art II	3
___ CINA	126	Film and International Culture	3
___ HUMS	101	Montage: Intro to the Humanities *	3
___ MUSH	101	Survey of Music	3
___ MUSH	140	Intro to Music Literature	3
___ THEA	101	Introduction to the Theatre	3

Group 2

___ ENGL	175	Introduction to Literature	3
___ ENGL	257	Literature of W. Civilization	3
___ ENGL	258	Literature of W. Civilization	3
___ ENGL	267	Survey of English Literature	3
___ ENGL	268	Survey of English Literature	3
___ ENGL	271	Introduction to Shakespeare	3
___ ENGL	277	Survey of American Literature	3
___ ENGL	278	Survey of American Literature	3
___ HUMS	101	Montage: Intro. to the Humanities*	3
___ PHIL	101	Intro to Philosophy	3
___ PHIL	103	Ethics	3

COMMUNICATION

Expected General Education Learning Outcomes: Communication, Critical Thinking, and Information Literacy.

Complete this course: (3 credits)

___ COMM	101	Intro to Speech Communication	3
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COMPUTER SCIENCE

Expected General Education Learning Outcome: Information Literacy, and/or Mathematical, Scientific, and Symbolic Reasoning.

Complete one of the following: (2-3 credits)

___ BUSA	100	Introduction to Computers	3
___ BUSA	240	Computer Systems & Business Apps.	3
___ CS	100	Intro to Computers & Comp. Science	3
___ CS	125	Introduction to Visual BASIC	3

___ CS	150	Computer Science I	3
___ CS	211	Languages of Computer Science: C++	3
___ CS	212	Languages of Computer Science: WWW3	3
___ CS	213	Languages of Computer Science: Java	3
___ CS	228	Intro to UNIX	2

CRITICAL THINKING

Expected General Education Learning Outcome: Critical Thinking.

Complete this course: (3 credits)

___ PHIL	201	Logic and Critical Thinking	3
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CULTURAL DIVERSITY

Expected General Education Learning Outcomes: Historical, Cultural Environmental, and Global Awareness; and/or Valuing/Ethical Reasoning, Communication, and Critical Thinking.

Complete one of the following: (3-4 credits)

___ AIST	101	Intro to American Indian Studies	3
___ ANTH	225	Native People of North America	3
___ ASL	201	Intermediate American Sign Language I	4
___ ASL	202	Intermediate American Sign Language II	4
___ CDA	201	Interm. Coeur d'Alene Language	4
___ COMM	220	Intro to Intercultural Communication	3
___ ENGL	285	American Indian Literature	3
___ ENGL	295	Contemp. U.S. Multicultural Literature	3
___ FLAN	207	Contemp. World Cultures	3
___ FREN	201	Intermediate French I	4
___ FREN	202	Intermediate French II	4
___ GERM	201	Intermediate German I	4
___ GERM	202	Intermediate German II	4
___ HIST	131	Latin American History *	3
___ HIST	141	History of Africa *	3
___ HIST	181	East Asian History and Civilization *	3
___ HIST	240	American Indian History *	3
___ INTR	200	Interdisciplinary Seminar	3
___ MUSH	127	Survey of American Popular Music	3
___ MUSH	163	Survey of World Music	3
___ PHIL	111	World Religions	3
___ SOC	103	Cultural Diversity *	3
___ SOC	251	Race and Ethnic Relations *	3
___ SPAN	201	Intermediate Spanish I	4
___ SPAN	202	Intermediate Spanish II	4

ENGLISH COMPOSITION

Expected General Education Learning Outcomes: Communication, Critical Thinking, and Information Literacy.

Complete these two courses: (6 credits)

___ ENGL	101	English Composition	3
___ ENGL	102	English Composition	3

THE ASSOCIATE OF ARTS (A.A.) DEGREE

LABORATORY SCIENCE

Expected General Education Learning Outcomes: Mathematical, Scientific, and Symbolic Reasoning; and Critical Thinking.

Complete two courses from the following: (8 credits)

___	BIOL	100	Fundamentals of Biology *	4
___	BIOL	115	Introduction to Life Sciences *	4
___	BIOL	175	Human Biology *	4
___	BIOL	202	General Zoology	4
___	BIOL	203	General Botany	4
___	BIOL	205	General Soils	4
___	BIOL	221	Forest Ecology	4
___	BIOL	227	Human Anatomy & Physiology I w/cadaver	4
___	BIOL	228	Human Anatomy & Physiology II w/cadaver	4
___	BIOL	231	General Ecology and Lab	4
___	BIOL	241	Systematic Botany	4
___	BIOL	250	General Microbiology/Bacteriology	4
___	CHEM	100	Concepts of Chemistry I	4
___	CHEM	101	Intro. to Essentials of Gen. Chemistry I	4
___	CHEM	102	Intro. to Essentials of Gen. Chemistry II	4
___	CHEM	111	Principles of Gen. College Chemistry I	5
___	CHEM	112	Principles of Gen. College Chemistry II	5
___	ENSI	119	Intro to Environmental Science & Lab	4
___	GEOG	100	Physical Geography	4
___	GEOG	101	Physical Geology	4
___	GEOG	102	Historical Geology	4
___	GEOG	123	Geology of Idaho & the Pacific NW	4
___	PHYS	101	Fundamentals of Physical Science	4
___	PHYS	103	Elementary Astronomy & Lab	4
___	PHYS	111	General Physics I	4
___	PHYS	112	General Physics II	4
___	PHYS	211	Engineering Physics I	5
___	PHYS	212	Engineering Physics II	5

* NOTE: BIOL-100, BIOL-115, and BIOL-175 cannot be used in combination to meet the Lab Science requirements. See the course descriptions.

MATHEMATICS

Expected General Education Learning Outcome: Mathematical, Scientific, and Symbolic Reasoning.

Complete one of the following: (3-5 credits)

___	BUSA	271	Statistical Inference & Decision Analysis	4
___	MATH	123	Contemporary Mathematics	3
___	MATH	130	Finite Mathematics	4
___	MATH	143	College Algebra	3
___	MATH	144	Analytic Trigonometry	2
___	MATH	147	Pre-Calculus	5
___	MATH	160	Survey of Calculus	4
___	MATH	170	Analytic Geometry and Calculus I	4
___	MATH	175	Analytic Geometry and Calculus II	4
___	MATH	187	Discrete Math	4
___	MATH	253	Principles of Applied Statistics	3
___	MATH	275	Analytic Geometry and Calculus III	4

PHYSICAL EDUCATION AND DANCE

Expected General Education Learning Outcome: Wellness.

Complete two courses from any P.E. activity or dance class:

SOCIAL SCIENCE

Expected General Education Learning Outcomes: Historical, Cultural, Environmental, and Global Awareness; and/or Social Responsibility/Citizenship, Critical Thinking, Valuing/Ethical Reasoning, and Information Literacy.

Complete one course in each group, except Business Majors who may take the Economics 201-202 sequence (12 credits).

Group 1

___	ANTH	102	Social and Cultural Anthropology	3
___	PHIL	205	Political and Social Philosophy	3
___	PSYC	101	Introduction to Psychology	3
___	SOC	101	Introduction to Sociology	3

Group 2

___	ECON	201	Principles of Economics (Macro)	3
___	ECON	202	Principles of Economics (Micro)	3
___	POLS	101	American National Government	3
___	POLS	105	Intro to Political Science	3

Group 3

___	HIST	101	History of Civilization to 1500	3
___	HIST	102	History of Civilization since 1500	3
___	HIST	111	U.S. History: Discovery-Reconstruction	3
___	HIST	112	U.S. History: Gilded Age-Present	3

Group 4

___	ANTH	101	Intro to Physical Anthropology	3
___	ANTH	230	Intro to Arch & World Prehistory	3
___	CHD	134	Infancy through Middle Childhood	3
___	HIST	131	Latin American History *	3
___	HIST	141	History of Africa *	3
___	HIST	181	East Asian History and Civilization *	3
___	HIST	240	American Indian History *	3
___	PHIL	131	Introduction to Religion	3
___	POLS	237	International Politics and Problems	3
___	POLS	275	State & Local Government	3
___	PSYC	205	Developmental Psychology	3
___	SOC	102	Social Problems	3
___	SOC	103	Cultural Diversity *	3
___	SOC	220	Marriage and Family	3
___	SOC	251	Race and Ethnic Relations *	3

NON-CORE ELECTIVES

Complete 13-16 credits (these should be selected to meet major requirements at an intended transfer institution):

THE ASSOCIATE OF SCIENCE (A.S.) DEGREE

To qualify for an Associate of Science degree, a candidate must:

1. Complete a minimum of 64 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.
- * Courses that are listed in more than one area may be used to fulfill only one requirement.

SOCIAL SCIENCE AND ARTS AND HUMANITIES

Expected General Education Learning Outcomes:

Historical, Cultural, Environmental, and Global Awareness; and/or Social Responsibility/Citizenship, Critical Thinking, Aesthetic Response, Valuing/Ethical Reasoning, Information Literacy, Communication.

Complete 15 credits from the following two lists of courses.

Social Science: Complete at least 6 credits, including courses from two different disciplines:

___ AIST	101	Intro to American Indian Studies	3
___ ANTH	101	Intro to Physical Anthropology	3
___ ANTH	102	Social & Cultural Anthropology	3
___ ANTH	225	Native People of North America	3
___ ANTH	230	Intro to Arch & World Prehistory	3
___ CHD	134	Infancy through Middle Childhood	3
___ ECON	201	Principles of Economics (Macro)	3
___ ECON	202	Principles of Economics (Micro)	3
___ HIST	101	History of Civilization to 1500	3
___ HIST	102	History of Civilization since 1500	3
___ HIST	111	U.S. History: Discovery-Reconstruction	3
___ HIST	112	U.S. History: Gilded Age-The Present	3
___ HIST	131	Latin American History	3
___ HIST	141	History of Africa	3
___ HIST	181	East Asian History and Civilization	3
___ HIST	240	American Indian History	3
___ PHIL	131	Introduction to Religion	3
___ PHIL	205	Political and Social Philosophy *	3
___ POLS	101	American National Government	3
___ POLS	105	Introduction to Political Science	3
___ POLS	237	International Politics and Problems	3
___ POLS	275	State and Local Government	3
___ PSYC	101	Introduction to Psychology	3
___ PSYC	205	Developmental Psychology	3
___ SOC	101	Introduction to Sociology	3
___ SOC	102	Social Problems	3
___ SOC	103	Cultural Diversity	3
___ SOC	220	Marriage and Family	3
___ SOC	251	Race and Ethnic Relations	3

Arts and Humanities: Complete at least 6 credits including courses from two different disciplines:

___ ART	100	Survey of Art	3
___ ART	101	History of Western Art I	3

___ ART	102	History of Western Art II	3
___ CINA	126	Film and International Culture	3
___ COMM	220	Intro to Intercultural Communication	3
___ ENGL	175	Introduction to Literature	3
___ ENGL	257	Literature of Western Civilization	3
___ ENGL	258	Literature of Western Civilization	3
___ ENGL	267	Survey of English Literature	3
___ ENGL	268	Survey of English Literature	3
___ ENGL	271	Introduction to Shakespeare	3
___ ENGL	277	Survey of American Literature	3
___ ENGL	278	Survey of American Literature	3
___ ENGL	285	American Indian Literature	3
___ ENGL	295	Contemp. U.S. Multicultural Literature	3
___ FLAN	207	Contemporary World Culture	3
___ HUMS	101	Montage: Intro to the Humanities	3
___ INTR	200	Interdisciplinary Seminar	3
___ MUSH	101	Survey of Music	3
___ MUSH	127	Survey of American Popular Music	3
___ MUSH	140	Introduction to Music Literature	3
___ MUSH	163	Survey of World Music	3
___ PHIL	101	Introduction to Philosophy	3
___ PHIL	103	Ethics	3
___ PHIL	201	Logic and Critical Thinking	3
___ PHIL	111	World Religions	3
___ PHIL	205	Political and Social Philosophy *	3
___ THEA	101	Introduction to the Theatre	3

All foreign languages are one Arts and Humanities discipline.

___ ASL	201	Intermediate American Sign Language I	4
___ ASL	202	Intermediate American Sign Language II	4
___ CDA	201	Interm. Coeur d'Alene Language	4
___ FREN	201	Intermediate French I	4
___ FREN	202	Intermediate French II	4
___ GERM	201	Intermediate German I	4
___ GERM	202	Intermediate German II	4
___ SPAN	201	Intermediate Spanish I	4
___ SPAN	202	Intermediate Spanish II	4

COMMUNICATION

Expected General Education Learning Outcomes: Communication, Critical Thinking, and Information Literacy.

Complete this course: (3 credits)

___ COMM	101	Intro to Speech Communication	3
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ENGLISH COMPOSITION

Expected General Education Learning Outcomes: Communication, Critical Thinking, and Information Literacy.

Complete these two courses: (6 credits)

___ ENGL	101	English Composition	3
___ ENGL	102	English Composition	3

THE ASSOCIATE OF APPLIED SCIENCE (A.A.S.) DEGREE

(Refer to the Program Guidelines for the A.A.S. degree requirements for your specific program)

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 in an identified professional-technical program; **and**
2. Complete a minimum of 15 credits of general education coursework selected from the general education core listed below; **and**
3. Satisfy the distribution requirements listed below, with a grade of C- or better in each course.

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

ENGLISH COMPOSITION

Expected General Education Learning Outcomes: Communication, Critical Thinking, and Information Literacy.

Complete the following for a minimum of 6 credits.

Complete this course (required for an A.A.S. degree)

___ ENGL 101 English Composition 3

Complete one of the following courses:

___ ENGL 102 English Composition 3

___ ENGL 202 Technical Writing 3

___ COMM 101 Intro to Speech Communication 3

MATHEMATICS

Expected General Education Learning Outcome: Mathematical, Scientific, and Symbolic Reasoning.

Complete one or more of the following courses for a minimum of 3 credits:

___ BUSA 271 Statistical Inference & Decision Analysis 4

___ MATH 123 Contemporary Mathematics 3

___ MATH 130 Finite Mathematics 4

___ MATH 143 College Algebra 3

___ MATH 144 Analytic Trigonometry 2

___ MATH 147 Pre-Calculus 5

___ MATH 160 Survey of Calculus 4

___ MATH 170 Analytic Geometry & Calculus I 4

___ MATH 175 Analytic Geometry & Calculus II 4

___ MATH 187 Discrete Math 4

___ MATH 253 Principles of Applied Statistics 3

___ MATH 275 Analytic Geometry & Calculus III 4

SOCIAL SCIENCE/HUMAN RELATIONS/ INTERPERSONAL COMMUNICATIONS

Expected General Education Learning Outcomes:

Historical, Cultural, Environmental, and Global Awareness; or Valuing/Ethical Reasoning; or Social Responsibility/Citizenship; or Communication; or Critical Thinking; or Aesthetic Response; or Information Literacy.

Complete one or more of the following courses for a minimum of three credits:

___ AIST 101 Intro to American Indian Studies 3

___ ANTH 101 Intro to Physical Anthropology 3

___ ANTH 102 Intro to Social & Cultural Anthropology 3

___ ANTH 225 Native People of North America 3

___ ANTH 230 Intro to Arch & World Prehistory 3

___ ART 100 Survey of Art 3

___ ART 101 History of Western Art I 3

___ ART 102 History of Western Art II 3

___ ASL 201 American Sign Language I 4

___ ASL 202 American Sign Language II 4

___ BUSA 101 Intro to Business 3

___ BUSA 211 Principles of Management 3

___ CDA 201 Interm. Coeur d'Alene Language 4

___ COMM 233 Interpersonal Communication 3

___ ECON 201 Principles of Economics (Macro) 3

___ ECON 202 Principles of Economics (Micro) 3

___ ENGL 175 Introduction to Literature 3

___ ENGL 257 Literature of Western Civilization 3

___ ENGL 258 Literature of Western Civilization 3

___ ENGL 267 Survey of English Literature 3

___ ENGL 268 Survey of English Literature 3

___ ENGL 271 Introduction to Shakespeare 3

___ ENGL 277 Survey of American Literature 3

___ ENGL 278 Survey of American Literature 3

___ ENGL 285 American Indian Literature 3

___ FREN 201 Intermediate French I 4

___ FREN 202 Intermediate French II 4

___ GERM 201 Intermediate German I 4

___ GERM 202 Intermediate German II 4

___ HIST 101 History of Civilization to 1500 3

___ HIST 102 History of Civilization Since 1500 3

___ HIST 111 U.S. History: Discovery-Reconstruction 3

___ HIST 112 U.S. History: Gilded Age-Present 3

___ HIST 131 Latin American History 3

___ HIST 141 History of Africa 3

___ HIST 181 East Asian History and Civilization 3

___ HIST 240 American Indian History 3

___ HUMS 101 Montage: Intro to the Humanities 3

___ HSS 101 Introduction to Human Services 3

___ INTR 200 Interdisciplinary Seminar 3

___ MUSH 101 Survey of Music 3

THE ASSOCIATE OF APPLIED SCIENCE (A.A.S.) DEGREE

___ MUSH 127	Survey of American Popular Music	3
___ MUSH 140	Introduction to Music Literature	3
___ MUSH 163	Survey of World Music	3
___ PHIL 101	Introduction to Philosophy	3
___ PHIL 103	Ethics	3
___ PHIL 111	World Religions	3
___ PHIL 131	Introduction to Religion	3
___ PHIL 201	Logic and Critical Thinking	3
___ PHIL 205	Political and Social Philosophy	3
___ POLS 101	American National Government	3
___ POLS 105	Introduction to Political Science	3
___ POLS 237	International Politics and Problems	3
___ POLS 275	State and Local Government	3
___ PSYC 101	Introduction to Psychology	3
___ PSYC 205	Developmental Psychology	3
___ PSYC 211	Abnormal Psychology	3
___ SOC 101	Introduction to Sociology	3
___ SOC 102	Social Problems	3
___ SOC 103	Cultural Diversity	3
___ SOC 220	Marriage and Family	3
___ SOC 251	Race & Ethnic Relations	3
___ SOWK 240	Introduction to Social Work	3
___ SPAN 201	Intermediate Spanish I	4
___ SPAN 202	Intermediate Spanish II	4
___ THEA 101	Introduction to the Theatre	3

___ ENSI 119	Intro to Envir Science & Lab	4
___ GEOG 100	Physical Geography	4
___ GEOL 101	Physical Geology	4
___ GEOL 102	Historical Geology	4
___ GEOL 123	Geology of Idaho & the Pacific NW	4
___ PHYS 101	Fundamentals of Physical Science	4
___ PHYS 103	Elementary Astronomy & Lab	4
___ PHYS 111	General Physics I & Lab	4
___ PHYS 112	General Physics II & Lab	4
___ PHYS 211	Engineering Physics I & Lab	5
___ PHYS 212	Engineering Physics II & Lab	5

* **NOTE:** BIOL-100, BIOL-115, and BIOL-175 cannot be used in combination to meet the Lab Science requirements. See the course descriptions.

PROFESSIONAL-TECHNICAL REQUIREMENTS

In addition to the general education requirements listed above, candidates for an A.A.S. degree must complete 44 credits or more in their specific professional-technical program.

NATURAL SCIENCES

Expected General Education Learning Outcomes: Mathematical, Scientific, and Symbolic Reasoning; and Critical Thinking.

In addition to the above requirements, a candidate may complete either one of the following courses, or additional courses from any category above, to satisfy the 15 credit hours of general education coursework.

___ BIOL 100	Fundamentals of Biology	4
___ BIOL 115	Introduction to Life Sciences	4
___ BIOL 175	Human Biology	4
___ BIOL 202	General Zoology	4
___ BIOL 203	General Botany	4
___ BIOL 205	General Soils	4
___ BIOL 221	Forest Ecology	4
___ BIOL 227	Human Anatomy & Physiology I w/ cadaver	4
___ BIOL 228	Human Anatomy & Physiology II w/ cadaver	4
___ BIOL 231	General Ecology & Lab	4
___ BIOL 241	Systematic Botany	4
___ BIOL 250	General Microbiology/Bacteriology	4
___ CHEM 100	Concepts of Chemistry I	4
___ CHEM 101	Intro to Essentials of Gen. Chemistry I	4
___ CHEM 102	Intro. to Essentials of Gen. Chemistry II	4
___ CHEM 111	Principles of Gen. College Chemistry I	5
___ CHEM 112	Principles of Gen. College Chemistry II	5

Your Student Education Plan

Name _____

1st Semester	
Course	CR
<i>Total</i>	

3rd Semester	
	CR
<i>Total</i>	

2nd Semester	
Course	CR
<i>Total</i>	

4th Semester	
	CR
<i>Total</i>	

Career Decision: _____

Goal Confidence (Highlight one)

Undecided (Table 1)

Fairly Certain (Table 2)

Completely Decided (Table 3)

To Do:

1. _____
2. _____
3. _____
4. _____

Additional Services

- Advising Services..... 769-7821
- Center for Educational Access 769-5947
- Center for New Directions 769-3445
- Dean of Students Office 676-7156
- Financial Aid 769-3368
- Student Accounts 769-3344
- Student Health Services 769-7818
- Student Support Services..... 769-5979
- Testing Center..... 676-7203
- Therapeutic Counseling Services 676-7156
- Tutoring 769-3206

Cr=Credits

Program Guidelines

North Idaho College 2012-2013

Accounting Assistant-Bookkeeping Emphasis

Technical Certificate

Professional-Technical Program

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 a 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.

Program Requirements

First Semester

Course No.	Title	Credits
ACCT-110	Small Business Accounting	3
or ACCT-201	Principles of Accounting	(3)
ACCT-150	10-Key Skill Building	1
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word 1	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
ENGL-101	English Composition	3
MATH-025	Elementary Algebra (or higher)	3-4
		Semester Total 16-17

Second Semester

ACCT-111	Small Business Accounting II	3
or ACCT-202	Managerial Accounting	(3)
ACCT-113	Payroll Accounting	3
ACCT-140	QuickBooks Pro	3
BUSA-101	Introduction to Business	3
CAOT-140	Database/Access 1	1
CAOT-250	Office Skills Capstone	1
ENGL-272	Business Writing	3
		Semester Total 17
		Program Total 33-34

Accounting Assistant-Bookkeeping Emphasis

Advanced Technical Certificate

Professional-Technical Program

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 a 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.

Program Requirements

First Semester

Course No.	Title	Credits
ACCT-110	Small Business Accounting	3
	or ACCT-201 Principles of Accounting	(3)
ACCT-150	10-Key Skill Building	1
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
ENGL-101	English Composition	3
MATH-025	Elementary Algebra (or higher)	3-4
		Semester Total 15-16

Second Semester

ACCT-111	Small Business Accounting II	3
	or ACCT-202 Managerial Accounting	(3)
ACCT-113	Payroll Accounting	3
BUSA-101	Introduction to Business	3
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-140	Database/Access 1	1
PSYC-101	Introduction to Psychology	3
		Semester Total 16

Third Semester

ACCT-140	QuickBooks Pro	3
ACCT-244	Credit and Collections	3
ACCT-246	Current Business Taxes	3
BUSA-265	Legal Environment of Business	3
COMM-101	Introduction to Speech Communication	3
		Semester Total 15

Fourth Semester

CAOT-250	Office Skills Capstone	1
COMM-233	Interpersonal Communication	3
ENGL-272	Business Writing	3
		Semester Total 7
		Program Total 53-54

Accounting Assistant

Associate of Applied Science Degree

Professional–Technical Program

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 a 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.

Program Requirements

First Semester

Course No.	Title	Credits
ACCT-110	Small Business Accounting	3
or ACCT-201	Principles of Accounting	(3)
ACCT-150	10-Key Skill Building	1
BUSA-100	Introduction to Computers	3
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-120	Word Processing/Word 1	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
ENGL-101	English Composition ¹	<u>3</u>
Semester Total		16

Second Semester

ACCT-111	Small Business Accounting II	3
or ACCT-202	Managerial Accounting	(3)
ACCT-113	Payroll Accounting	3
BUSA-101	Introduction to Business	3
CAOT-121	Word Processing/Word 2	1
COMM-101	Introduction to Speech Communication ¹	3
_____	A.A.S. Math Requirement ²	<u>3-4</u>
Semester Total		16-17

Third Semester

ACCT-140	QuickBooks Pro	3
ACCT-244	Credit and Collections	3
ACCT-246	Current Business Taxes	3
CAOT-140	Database/Access 1	1
ENGL-272	Business Writing	3
PSYC-101	Introduction to Psychology ¹	<u>3</u>
Semester Total		16

Fourth Semester

ACCT-248	Accounting Internship	4
BUSA-265	Legal Environment of Business	3
CAOT-115	Outlook	1
CAOT-250	Office Skills Capstone	1
COMM-233	Interpersonal Communication	3
ECON-201	Principles of Economics (macro)	<u>3</u>
Semester Total		15
Program Total		63-64

Notes:

- ¹ Satisfies the A.A.S. degree general education requirement.
- ² Mathematics requirement includes any math course that is MATH 123 or higher and meets the A.A.S. degree requirements listed on page 54.

Administration of Justice

Associate of Applied Science Degree

Professional–Technical Program

The Administration of Justice program is an option designed for working law enforcement professionals who aspire to have, or are entering, supervisory or administrative positions. Credit will be awarded for POST coursework. This program has a selective admissions process. Contact the Coordinator for Professional-Technical Student Support Services or the Director of the NIC Basic Patrol Academy for more information.

Program Requirements

Course No.	Title	Credits
First Semester		
BUSA-100	Introduction to Computers	3
ENGL-101	English Composition	3
LAWE	Law Enforcement Electives ¹	5
POLS-101	American National Government	3
PSYC-101	Introduction to Psychology	3
		Semester Total 17
Second Semester		
ENGL-102	English Composition	3
or COMM-101	Introduction to Speech Communication	(3)
LAWE	Law Enforcement Electives ¹	5
POLS-275	State and Local Government	3
SOC-101	Introduction to Sociology	3
		Semester Total 14
Third Semester		
COMM-233	Interpersonal Communication	3
or COMM-236	Small Group Communication	(3)
ENGL-202	Technical Writing	3
LAWE	Law Enforcement Electives ¹	5
_____	A.A.S. Math Requirement ²	3-4
		Semester Total 14-15
Fourth Semester		
PHIL-103	Ethics	3
PHIL-201	Logic and Critical Thinking	3
PSYC-205	Developmental Psychology	3
or PSYC-211	Abnormal Psychology	(3)
or PSYC-223	Stress Management	(3)
_____	Sociology Electives	6
		Semester Total 15
		Program Total 60-61

Notes:

- ¹ POST Academy courses may satisfy the requirement for LAWE-250-258.
- ² Mathematics requirement includes any math course that is MATH 123 or higher and meets the A.A.S. degree requirement listed on page 54.
- ³ Credit may be given for LAWE 293 to individuals who have successfully completed the POST Basic Academy exam and have been continually employed as full-time law enforcement officers for more than six consecutive months.
- ⁴ Any foreign language course (French, German, Japanese, or Spanish) may satisfy this requirement. FLAN 106 or FLAN 207 does not satisfy this requirement.

Law Enforcement Electives

LAWE-103	Introduction to Criminal Justice (same as CJ 103)	3
LAWE-202	Corrections in America (same as CJ 202)	3
LAWE-205	Criminal Procedure (same as CJ 205)	3
LAWE-250	Self Defense/Law Enforcement ¹	3
LAWE-251	Basic Police Law ¹	6
LAWE-252	Professional Orientation for Peace Officers ¹	2
LAWE-253	Police Procedures ¹	8
LAWE-254	Patrol Procedures ¹	3
LAWE-255	Field Skills for Patrol Officers ¹	2
LAWE-256	Investigation ¹	8
LAWE-257	Enforcement Skills ¹	2
LAWE-258	Police Physical Fitness ¹	1

Sociology Electives

SOC-155	Drug Abuse: Fact, Fiction, and the Future	3
SOC-220	Marriage and Family	3
SOC-251	Race and Ethnic Relations	3
SOC-283	Death and Dying	3

Administrative Assistant

Associate of Applied Science Degree

Professional–Technical Program

The Administrative Assistant program combines a well-balanced academic program with expert administrative and computer instruction to give students 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 administrative skills to a professional level, gives the student a technical background through completion of technical skill courses, and includes an academic component that provides a mature understanding of professional responsibilities in our global economy. The administrative assistant has a variety of options in offices of their interest. These might be in travel, sports, or entertainment; banking, insurance, or real estate; technical, government, or foreign service; and public, private, or temporary agencies.

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-140	Database/Access 1	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-183	Business Editing and Proofreading	3
_____	A.A.S. Math Requirement ¹	<u>3-4</u>
		Semester Total 16-17

Second Semester

CAOT-150	PowerPoint	1
CAOT-160	Desktop Publishing/Publisher 1	1
CAOT-161	Desktop Publishing/Publisher 2	1
CAOT-184	Records Systems Management	3
CAOT-210	Office Procedures	3
CAOT-220	Administrative Support Internship 1	3
ENGL-101	English Composition ²	<u>3</u>
		Semester Total 15

Third Semester

ACCT-110	Small Business Accounting	3
or ACCT-201	Principles of Accounting ³	(3)
BUSA-101	Introduction to Business	3
CAOT-115	Outlook	1
CAOT-141	Database/Access 2	1
CAOT-166	Living Online for Tech Programs	1
CAOT-211	Machine Transcription/Document Formatting 1	1
CAOT-212	Machine Transcription/Document Formatting 2	1
CAOT-250	Office Skills Capstone	1
COMM-101	Introduction to Speech Communication ²	<u>3</u>
		Semester Total 15

Fourth Semester

BUSA-240	Computer Systems & Business Applications	3
CAOT-221	Administrative Assistant Internship 2	3
ENGL-272	Business Writing	3
PSYC-101	Introduction to Psychology ²	3
_____	A.A.S. Social Science/Human Relations/ Interpersonal Communication Requirement ⁴	<u>3</u>
		Semester Total 15
		Program Total 61-62

Notes:

- ¹ Mathematics requirement includes any math course that is MATH 123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ² Satisfies the A.A.S. degree general education requirement.
- ³ Students intending to obtain a four-year degree should take ACCT-201.
- ⁴ Select from the A.A.S. degree requirements listed on page 54.

American Indian Studies

Associate of Arts Degree

Transfer Program

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 either an Associate of Arts or Associate of Science 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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	2-3
Critical Thinking	3
Cultural Diversity ¹	0
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	9

Program Requirements

Course No.	Title	Credits
AIST-101	Introduction to American Indian Studies	3
ANTH-225	Native People of North America	3
ENGL-285	American Indian Literature	3
HIST-240	American Indian History	3

Elective Requirements

Courses 100-level or higher	7-10
Total Credits (minimum) 64	

Notes:

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

American Indian Studies

Associate of Science Degree

Transfer Program

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 either an Associate of Arts or Associate of Science 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	0
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
AIST-101	Introduction to American Indian Studies	3
ANTH-225	Native People of North America	3
ENGL-285	American Indian Literature	3
HIST-240	American Indian History	3

Elective Requirements

Courses 100-level or higher	22-24
Total Credits (minimum) 64	

Notes:

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

Anthropology

Associate of Arts Degree

Transfer Program

Anthropology is the study of the physical, mental, and cultural characteristics of human kind. Generally, a 2.50 grade point average from a community college will allow students into upper division anthropology work.

Completion of the following courses normally fulfills the first half of bachelor degree requirements in Anthropology. Course selections should be tailored to match requirements of the intended transfer institution.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity ¹	0
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	6

Program Requirements

Course No.	Title	Credits
ANTH-101	Introduction to Physical Anthropology	3
ANTH-102	Introduction to Social and Cultural Anthropology	3
ANTH-225	Native People of North America	3
ANTH-230	Introduction to Archeology and World Prehistory	3
MATH-253	Principles of Applied Statistics	3

Choose one course from the following:	3-4
MATH-130	Finite Mathematics
MATH-143	College Algebra

Elective Requirements

Courses 100-level or higher	8-9
Total Credits (minimum) 64	

Notes:

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

Anthropology

Associate of Science Degree

Transfer Program

Anthropology is the study of the physical, mental, and cultural characteristics of human kind. Generally, a 2.50 grade point average from a community college will allow students into upper division anthropology work.

Completion of the following courses normally fulfills the first half of bachelor degree requirements in Anthropology. Course selections should be tailored to match requirements of the intended transfer institution.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	3
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
ANTH-101	Introduction to Physical Anthropology	3
ANTH-102	Introduction to Social and Cultural Anthropology	3
ANTH-225	Native People of North America	3
ANTH-230	Introduction to Archeology and World Prehistory	3
MATH-253	Principles of Applied Statistics	3

Choose one course from the following: 3-4

MATH-130	Finite Mathematics
MATH-143	College Algebra

Elective Requirements

Courses 100-level or higher 17-18

Total Credits (minimum) 64

Notes:

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

Art-Fine Arts Emphasis

Associate of Arts Degree

Transfer Program

The Art Department's transfer programs are structured as a broad introduction to the nature, vocabulary, media, styles and themes of the visual arts. Students pursuing a Fine Arts or Graphics Design major (the Graphic Design program is described on page 84) and transferring credits may complete all basic art requirements while at NIC. Students may pursue an associate of applied science degree in Graphic Design as an occupational program.

The Art Department's curriculum emphasizes four major goals: developing the highest levels of individual artistic awareness and expression; providing coursework for students as part of their general education experience; combining rigorous training in technical and formal skills in graphic design; and maintaining a gallery as a visual arts resource in the region.

Completion of the following courses results in an associate 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 Graphic Design or Fine Arts. Course selection should be tailored to match requirements defined by intended transfer institutions.

Students pursuing an art major have several options. Students transferring to a baccalaureate program after graduation to complete a bachelor of arts or bachelor of science degree may choose "emphasis electives" from either the Fine Arts or the Graphic Design area. Students interested in applying their art training immediately after graduation will want to consider the Graphic Design occupational degree option.

Fine Arts Emphasis

Courses in this area provide instruction in the creative process through studio art classes and art survey. This foundational coursework explores the aesthetic principles that lead to individual expression.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Groups I, II) ¹	3
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3-4
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Groups I, II, III, IV)	12

Program Requirements

Course No.	Title	Credits
ART-100	Survey of Art	3
ART-111	Drawing I	2
ART-112	Drawing II	2
ART-121	2D/Design Foundations	3
ART-122	3D/Design Foundations	3

Choose two courses from the following:

ART-231	Beginning Painting I	6
ART-241	Sculpture I	
ART-251	Printmaking I	
ART-261	Ceramics I	

Elective Requirements

Courses 100-level or higher	<u>0</u>
Total Credits (minimum) 65	

Notes:

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

Art-Fine Arts Emphasis

Associate of Science Degree

Transfer Program

The Art Department's transfer programs are structured as a broad introduction to the nature, vocabulary, media, styles and themes of the visual arts. Students pursuing a Fine Arts or Graphics Design major (the Graphic Design program is described on page 84) and transferring credits may complete all basic art requirements while at NIC. Students may pursue an associate of applied science degree in Graphic Design as an occupational program.

The Art Department's curriculum emphasizes four major goals: developing the highest levels of individual artistic awareness and expression; providing coursework for students as part of their general education experience; combining rigorous training in technical and formal skills in graphic design; and maintaining a gallery as a visual arts resource in the region.

Completion of the following courses results in an associate 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 Graphic Design or Fine Arts. Course selection should be tailored to match requirements defined by intended transfer institutions.

Students pursuing an art major have several options. Students transferring to a baccalaureate program after graduation to complete a bachelor of arts or bachelor of science degree may choose "emphasis electives" from either the Fine Arts or the Graphic Design area. Students interested in applying their art training immediately after graduation will want to consider the Graphic Design occupational degree option.

Fine Arts Emphasis

Courses in this area provide instruction in the creative process through studio art classes and art survey. This foundational coursework explores the aesthetic principles that lead to individual expression.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
ART-100	Survey of Art	3
ART-111	Drawing I	2
ART-112	Drawing II	2
ART-121	2D/Design Foundations	3
ART-122	3D/Design Foundations	3
ART-217	Life Drawing I	3
ART-231	Beginning Painting I	3
ART-241	Sculpture I	3
ART-261	Ceramics I	3

Choose one or two courses from the following:

ART-251	Printmaking I	3
ART-281	Watercolor I	3
PHTO-183	Introduction to Digital Photography	3

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 68	

Notes:

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

Art-Graphic Design Emphasis

Associate of Arts Degree

Transfer Program

The Art Department's transfer programs are structured as a broad introduction to the nature, vocabulary, media, styles and themes of the visual arts. Students pursuing a Fine Arts or Graphics Design major (the Graphic Design program is described on page 84) and transferring credits may complete all basic art requirements while at NIC. Students may pursue an associate of applied science degree in Graphic Design as an occupational program.

The Art Department's curriculum emphasizes four major goals: developing the highest levels of individual artistic awareness and expression; providing coursework for students as part of their general education experience; combining rigorous training in technical and formal skills in graphic design; and maintaining a gallery as a visual arts resource in the region.

Completion of the following courses results in an associate 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 Graphic Design or Fine Arts. Course selection should be tailored to match requirements defined by intended transfer institutions.

Students pursuing an art major have several options. Students transferring to a baccalaureate program after graduation to complete a bachelor of arts or bachelor of science degree may choose "emphasis electives" from either the Fine Arts or the Graphic Design area. Students interested in applying their art training immediately after graduation will want to consider the Graphic Design occupational degree option.

Graphic Design Emphasis

Graphic artists are visual specialists who convert ideas into symbols and devise print advertising, corporate identity systems, and electronic media. As the communications link between supplier and consumer, the commercial artist conceives and executes ideas that inform, motivate, educate, or sell. Students selecting a Graphic Design emphasis will be exposed to basic technical and conceptual skills using computers and other resources necessary to produce sophisticated and effective presentations. The Graphic Design associate of applied science degree option is described on page 133.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Groups I, II) ¹	3
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Groups I, II, III, IV)	12

Program Requirements

Course No.	Title	Credits
ART-100	Survey of Art	3
ART-111	Drawing I	2
ART-112	Drawing II	2
ART-210	Illustration I	2
ART-211	Illustration II	2
GDES-131	Adobe Illustrator - Vector Graphics	3
GDES-221	Graphic Design I	3
GDES-222	Graphic Design II	3

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum)	67

Notes:

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

Art-Graphic Design Emphasis

Associate of Science Degree

Transfer Program

The Art Department's transfer programs are structured as a broad introduction to the nature, vocabulary, media, styles and themes of the visual arts. Students pursuing a Fine Arts or Graphics Design major (the Graphic Design program is described on page 84) and transferring credits may complete all basic art requirements while at NIC. Students may pursue an associate of applied science degree in Graphic Design as an occupational program.

The Art Department's curriculum emphasizes four major goals: developing the highest levels of individual artistic awareness and expression; providing coursework for students as part of their general education experience; combining rigorous training in technical and formal skills in graphic design; and maintaining a gallery as a visual arts resource in the region.

Completion of the following courses results in an associate 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 Graphic Design or Fine Arts. Course selection should be tailored to match requirements defined by intended transfer institutions.

Students pursuing an art major have several options. Students transferring to a baccalaureate program after graduation to complete a bachelor of arts or bachelor of science degree may choose "emphasis electives" from either the Fine Arts or the Graphic Design area. Students interested in applying their art training immediately after graduation will want to consider the Graphic Design occupational degree option.

Graphic Design Emphasis

Graphic artists are visual specialists who convert ideas into symbols and devise print advertising, corporate identity systems, and electronic media. As the communications link between supplier and consumer, the commercial artist conceives and executes ideas that inform, motivate, educate, or sell. Students selecting a Graphic Design emphasis will be exposed to basic technical and conceptual skills using computers and other resources necessary to produce sophisticated and effective presentations. The Graphic Design associate of applied science degree option is described on page 133.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
ART-100	Survey of Art	3
ART-111	Drawing I	2
ART-112	Drawing II	2
ART-121	2D/Design Foundations	3
ART-122	3D/Design Foundations	3
ART-210	Illustration I	2
ART-211	Illustration II	2
GDES-131	Adobe Illustrator - Vector Graphics	3
GDES-132	Adobe Photoshop - Raster Graphics	3
GDES-221	Graphic Design I	3
GDES-222	Graphic Design II	3

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 64	

Notes:

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

Automotive Technology

Technical Certificate

Professional–Technical Program

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 today's cars, the industry requires a high degree of reading and comprehension skills. 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 (see page 45). 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 Requirements

First Semester

Course No.	Title	Credit Hrs
A TEC-117	Occupational Relations and Job Search ¹	2
AUTO-105	Orientation, Safety, and General Shop Practices	1
AUTO-113L	Automotive Lab I	2
AUTO-114L	Automotive Lab II	2
AUTO-123	Brakes/Powertrain	5
AUTO-130	Gas Engine Fundamentals	4
MATH-021	Technical Math for Auto/Diesel/Outdoor Power/Recreational Vehicle (or higher)	3-4
		Semester Total 19-20

Second Semester

AUTO-116L	Auto Lab	5
AUTO-126	Steering, Suspension, and Alignment	3
AUTO-141	Electrical System Fundamentals	6
ENGL-099	Fundamentals of Writing	3
or ENGL-101	English Composition	(3)
		Semester Total 17
		Program Total 36-37

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Automotive Technology

Advanced Technical Certificate

Professional–Technical Program

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 today's cars, the industry requires a high degree of reading and comprehension skills. 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 (see page 45). 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 Requirements

First Semester

Course No.	Title	Credit Hrs
AUTO-105	Orientation, Safety, and General Shop Practices	1
AUTO-113L	Automotive Lab I	2
AUTO-114L	Automotive Lab II	2
AUTO-123	Brakes/Powertrain	5
AUTO-130	Gas Engine Fundamentals	4
MATH-021	Technical Math for Auto/Diesel/Outdoor Power/Recreational Vehicle (or higher)	3-4
		Semester Total 17-18

Second Semester

AUTO-116L	Auto Lab	5
AUTO-126	Steering, Suspension, and Alignment	3
AUTO-141	Electrical Systems Fundamentals	6
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
		Semester Total 17

Third Semester

A TEC-117	Occupational Relations and Job Search ¹	2
AUTO-210	Advanced Electrical	2
AUTO-215L	Advanced Auto Lab	5
AUTO-222	Engine Performance	5
AUTO-250	Computer Controls	2
		Semester Total 16

Fourth Semester

AUTO-216L	Advanced Auto Lab	5
AUTO-260	Computer Controlled Systems	4
AUTO-270	Transmission/Transaxle	4
AUTO-280	Heating, Ventilation, Air Conditioning	2
		Semester Total 15
		Program Total 65-66

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Automotive Technology

Associate of Applied Science Degree

Professional-Technical Program

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 today's cars, the industry requires a high degree of reading and comprehension skills. 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 (see page 45). 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 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.)

First Semester

Course No.	Title	Credit Hrs
AUTO-105	Orientation, Safety, and General Shop Practices	1
AUTO-113L	Automotive Lab I	2
AUTO-114L	Automotive Lab II	2
AUTO-123	Brakes/Powertrain	5
AUTO-130	Gas Engine Fundamentals	4
_____	A.A.S. Math Requirement ¹	<u>3-4</u>
		Semester Total 17-18

Second Semester

AUTO-116L	Auto Lab	5
AUTO-126	Steering, Suspension, and Alignment	3
AUTO-141	Electrical System Fundamentals	6
ENGL-101	English Composition ²	<u>3</u>
		Semester Total 17

Third Semester

AUTO-210	Advanced Electrical	2
AUTO-215L	Advanced Auto Lab	5
AUTO-222	Engine Performance	5
AUTO-250	Computer Controls	2
_____	A.A.S. Social Science/Human Relations/Interpersonal Communications Requirement ³	<u>3</u>
		Semester Total 17

Fourth Semester

AUTO-216L	Advanced Auto Lab	5
AUTO-260	Computer Controlled Systems	4
AUTO-270	Transmission/Transaxle	4
AUTO-280	Heating, Ventilation, Air Conditioning	2
_____	A.A.S. English Composition Requirement ³	<u>3</u>
_____	A.A.S. General Education Requirement ³	<u>3</u>
		Semester Total 21
		Program Total 72-73

Notes:

- ¹ Mathematics requirement includes any math course that is MATH 123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ² Satisfies the A.A.S. degree general education requirement.
- ³ Select from the A.A.S. degree requirements listed on page 54.

Biology, Botany, and Zoology

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
BIOL-115	Introduction to Life Sciences	4
BIOL-202	General Zoology	4
BIOL-203	General Botany	4
BIOL-231	General Ecology	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

Choose one course from the following:	4
BIOL-241 Systematic Botany ²	
BIOL-250 General Microbiology ²	

Choose one course from the following:	4
MATH-160 Survey of Calculus	
MATH-170 Analytic Geometry and Calculus I	

Elective Requirements

Courses 100-level or higher	<u>7</u>
Total Credits (minimum) 64	

Notes:

- ¹ This General Education Requirement is met by the Program Requirements.
- ² Select course based on intended transfer institution.

Business Administration

Associate of Arts Degree

Transfer Program

This program is intended for transfer to Eastern Washington University and Gonzaga University.

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. This program provides the first two years of study leading to a bachelor's degree in these business fields.

For admission to a College of Business and enrollment in 300-level business courses, the typical requirement is completion of a "business core." This usually includes the following five courses: ACCT-201 and 202 (Principles of Accounting), ECON-201 and 202 (Principles of Economics), and BUSA-271 (Statistical Inference and Decision Analysis).

Students who intend to transfer to the College of Business at the University of Idaho, Lewis-Clark State College, and most other business schools should complete CAOT-130 (Introduction to Spreadsheets) or possess equivalent knowledge. Accounting students are usually required to take additional courses beyond other business majors. Students should see their advisor for these requirements.

Students who intend to transfer to Lewis-Clark State College should take BUSA-265 (Legal Environment of Business) and BUSA-271 (Statistical Inference and Decision Analysis); ENGL-272 (Business Writing); and BUSA 240 (Computer Systems and Business Applications).

Completion of the following courses results in an associate degree. The associate degrees meet the general core requirements at the identified colleges and universities with the exception of Gonzaga University. The suggested coursework normally fulfills the first half of baccalaureate degree requirements in Business Administration. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ²	3
Communication	3
Computer Science ¹	0
Critical Thinking	3
Cultural Diversity	3-4
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, III, IV) ²	6

Program Requirements

Course No.	Title	Credits
ACCT-201	Principles of Accounting	3
ACCT-202	Managerial Accounting	3
BUSA-100	Introduction to Computers	3
BUSA-265	Legal Environment of Business	3
BUSA-271	Statistical Inference and Decision Analysis	4
ECON-201	Principles of Economics (Macro)	3
ECON-202	Principles of Economics (Micro)	3
MATH-130	Finite Mathematics	4

Choose one course from the following: 3

ENGL-175	Introduction to Literature
ENGL-257	Literature of Western Civilization
ENGL-258	Literature of Western Civilization
ENGL-268	Survey of English Literature
ENGL-277	Survey of American Literature
ENGL-278	Survey of American Literature

Choose one course from the following: 3

ENGL-202	Technical Writing
ENGL-205	Interdisciplinary Writing
ENGL-272	Business Writing

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 66	

Notes:

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

Business Administration

Associate of Science Degree

Transfer Program

This program is intended for transfer to Boise State University, Idaho State University, Lewis-Clark State College, and the University of Idaho.

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. This program provides the first two years of study leading to a bachelor's degree in these business fields.

For admission to a College of Business and enrollment in 300-level business courses, the typical requirement is completion of a "business core." This usually includes the following five courses: ACCT 201 and 202 (Principles of Accounting), ECON 201 and 202 (Principles of Economics), and BUSA 271 (Statistical Inference and Decision Analysis).

Students who intend to transfer to the College of Business at the University of Idaho, Lewis-Clark State College, and most other business schools should complete CAOT 130 (Introduction to Spreadsheets) or possess equivalent knowledge. Accounting students are usually required to take additional courses beyond other business majors. Students should see their advisor for these requirements.

Students who intend to transfer to Lewis-Clark State College should take BUSA 265 (Legal Environment of Business) and BUSA 271 (Statistical Inference and Decision Analysis); ENGL 272 (Business Writing); and BUSA 240 (Computer Systems and Business Applications).

Completion of the following courses results in an associate degree. The associate degrees meet the general core requirements at the identified colleges and universities with the exception of Gonzaga University. The suggested coursework normally fulfills the first half of baccalaureate degree requirements in Business Administration. Course selection should be tailored to match requirements defined by intended transfer institutions.

Consult with your advisor and the transfer college catalog for more information.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ²	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	3
Social Science and Arts and Humanities ²	0

Program Requirements

Course No.	Title	Credits
ACCT-201	Principles of Accounting	3
ACCT-202	Managerial Accounting	3
BUSA-100	Introduction to Computers	3
BUSA-240	Computer Systems and Business Applications	3
BUSA-265	Legal Environment of Business	3
BUSA-271	Statistical Inference and Decision Analysis	4
ECON-201	Principles of Economics (Macro)	3
ECON-202	Principles of Economics (Micro)	3
MATH-130	Finite Mathematics ³	4

Choose one course from the following 3

ENGL-175	Introduction to Literature
ENGL-257	Literature of Western Civilization
ENGL-258	Literature of Western Civilization
ENGL-268	Survey of English Literature
ENGL-277	Survey of American Literature
ENGL-278	Survey of American Literature

Choose one course from the following 3

ENGL-202	Technical Writing
ENGL-205	Interdisciplinary Writing
ENGL-272	Business Writing

Elective Requirements

Courses 100-level or higher	4
Total Credits (minimum) 64	

Notes:

- ¹ This General Education Requirement is partially met by the Program Requirements.
- ² This General Education Requirement is met by the Program Requirements.
- ³ Students intending to enroll at the University of Idaho or Boise State University should take MATH-160 or higher.

Business Education

Associate of Science Degree

Transfer Program

NIC's Business Education studies lead to career opportunities in administrative office management, business education in secondary schools and colleges, management information systems, and other related fields of study. 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 Business Education. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ³	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	0
Social Science and Arts and Humanities ²	0

Program Requirements

Course No.	Title	Credits
ACCT-201	Principles of Accounting	3
ACCT-202	Managerial Accounting	3
BUSA-101	Introduction to Business	3
BUSA-265	Legal Environment of Business	3
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
ECON-201	Principles of Economics (Macro)	3
ECON-202	Principles of Economics (Micro)	3
EDUC-201	Introduction to Teaching	3
ENGL-272	Business Writing	3
PSYC-101	Introduction to Psychology	3

Choose one course from the following: 3

ENGL-257	Literature of Western Civilization
ENGL-258	Literature of Western Civilization

Elective Requirements

Courses 100-level or higher	3-4
Total Credits (minimum) 64	

Notes:

- ¹ This General Education Requirement is partially met by the Program Requirements.
- ² This General Education Requirement is met by the Program Requirements.
- ³ Students intending to enroll at the University of Idaho or Boise State University should take MATH-160 or higher.

Business Leadership

Post Secondary Certificate

Professional-Technical Program

The Business Leadership program allows students to design an associate of applied science degree to fit their educational and professional goals by completing a set of post-secondary certificates. The components of the A.A.S. degree consist of four areas: a Post-Secondary Certificate in the Foundation Courses, a Post-Secondary Certificate in the General Business Core, two Post-Secondary Certificates selected from a rich mix of Professional-Technical Areas of Competence (PTAC), and completion of the General Education requirements for a total of 61 credits.

Successful completion of each of the Post-Secondary Certificate options 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 Professional-Technical Areas of Competence may be determined by college assessment tests or prior to completion of prerequisites.

The requirements for the associate of applied science Business Leadership degree is described on the next page.

Foundation Courses

Course No.	Title	Credits
BLDR-105	Customer Service	3
CAOT-120	Word Processing/Word 1	1
or CAOT-160	Desktop Publishing/Publisher 1	(1)
CAOT-130	Spreadsheets/Excel 1	1
or CAOT-161	Desktop Publishing/Publisher 2	(1)
COMM-233	Interpersonal Communication	3
CSC-106	College Internet Skills	1
		Total 9

General Business Core Courses

Students completing the A.A.S. degree in Business Leadership must complete the following courses:

Course No.	Title	Credits
ACCT-138	Accounting for Managers	3
BUSA-101	Introduction to Business	3
BUSA-211	Principles of Management	3
or BUSA-221	Principles of Marketing	(3)
BUSA-265	Legal Environment of Business	3
		Total 12

Areas of Competence

Supervision Option

Course No.	Title	Credits
BLDR-110	Supervisory Management	3
or BLDR-112	Achieve Global	(3)
BLDR-214	Budget and Finance	3
BLDR-216	Legal Issues for Supervisors	3
BMGT-256	Problem Solving Through Team Dynamics	3
		Program Total 12

Leadership Option

Course No.	Title	Credits
BLDR-122	Leadership	3
BLDR-222	Project Management	3
BLDR-225	Strategic Planning	3
BUSA-234	Ethical Conduct in Business	3
		Program Total 12

Human Resource Management Option

BLDR-132	Employee Benefits and Compensation	3
BMGT-260	Human Resource Management	3
HRA-110	Diversity and Human Relations	3
HRA-210	Recruiting, Selection, and Retention	3
		Program Total 12

Quality Option

BLDR-140	Lean I	3
BLDR-142	Safety	2
BLDR-144	Principles of Quality	2
BLDR-240	Lean II	3
BLDR-242	Inventory & Supply Chain Management	2
		Program Total 12

Medical/Health Care Option

ALTH-106	Working in Health Care	2
BLDR-150	Health Information Technology	3
CAOT-168	Integrated Medical Office Software	3
CAOT-179	Medical Terminology	2
CAOT-180	Legal Issues in Health Care	1
CAOT-186	Medical Coding	3
		Program Total 14

Office Management Option

BLDR-160	Business Communications	3
BUSA-240	Computer Systems & Business Apps.	3
CAOT-184	Records Systems Management	3
CAOT-210	Office Procedures	3
		Program Total 12

Computer Applications & Office Technology Option ¹

CAOT-112	Keyboarding 1	1
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-140	Database 1	1
CAOT-141	Database 2	1
CAOT-142	Database 3	1
CAOT-150	PowerPoint	1
CAOT-164	Computer Fundamentals for Technical Programs	1
CAOT-166	Living Online for Technical Programs	1
		Program Total 14

Notes:

¹ Students taking this option must take Desktop Publishing 1 and 2 in the Foundation Courses for the A.A.S. degree.

Business Leadership

Associate of Applied Science Degree

Professional-Technical Program

The Business Leadership program allows students to design an associate of applied science degree to fit their educational and professional goals by completing a set of Post-Secondary Certificates. The components of the A.A.S. degree consist of four areas: a Post-Secondary Certificate in the Foundation Courses, a Post-Secondary Certificate in the General Business Core, two Post-Secondary Certificates selected from a rich mix of Professional-Technical Areas of Competence (PTAC), and completion of the General Education requirements for a total of 61 credits.

Successful completion of each of the Post-Secondary Certificate options 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 Professional-Technical Areas of Competence may be determined by college assessment tests or prior to completion of prerequisites.

Program Requirements

First Semester

Course No.	Title	Credits
ANTH-225	Native People of North America	3
ATEC-110	Successful Job Search	1
COMM-101	Introduction to Speech Communication	3
ECON-201	Principles of Economics (Macro)	3
ENGL-101	English Composition	3
MATH-123	Contemporary Math (or higher)	<u>3-4</u>
		Semester Total 16-17

Complete the 9 credits of Foundation Courses:

Foundation Courses

Course No.	Title	Credits
BLDR-105	Customer Service	3
CAOT-120	Word Processing/Word 1	1
	or CAOT-160 Desktop Publishing/Publisher 1	(1)
CAOT-130	Spreadsheets/Excel 1	1
	or CAOT-161 Desktop Publishing/Publisher 2	(1)
COMM-233	Interpersonal Communication	3
CSC-106	College Internet Skills	<u>1</u>
		Total 9

Complete the 12 credits of Business Core Courses:

General Business Core Courses

Students completing the A.A.S. degree in Business Leadership must complete the following courses:

Course No.	Title	Credits
ACCT-138	Accounting for Managers	3
BUSA-101	Introduction to Business	3
BUSA-211	Principles of Management	3
	or BUSA-221 Principles of Marketing	(3)
BUSA-265	Legal Environment of Business	<u>3</u>
		Total 12

Two areas of competence

Choose from two of the options listed on the Post Secondary Certificate Program Guidelines 24-26

Program Total 61-64

Carpentry

Technical Certificate

Professional-Technical Program

The 10-month Carpentry program is intended to provide the skills and training for entry into the field of residential carpentry. Various aspects of carpentry connected with residential house 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 program involves actual work situations emphasizing teamwork, work ethics, safety, and communication. A general education component consisting of communications, 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 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 (see page 45).

Program Requirements

Summer Session

Course No.	Title	Credit Hrs
CARP-141	Introduction to Residential Carpentry	3
CARP-142	Safe and Savvy Tool Use	3
		Session Total 6

Fall Semester

CARP-143	Blueprints for Carpenters	3
CARP-144	Construction Materials, Equipment and Methods	3
CARP-145	All Things Concrete	2
CARP-146	Residential Framing	2
CARP-147	Residential Construction Laboratory	5
MATH-015	Basic Mathematics (or higher)	3-4
		Semester Total 18-19

Spring Semester

ATEC-117	Occupational Relations and Job Search ¹	2
CARP-153	Carpentry Theory III	8
CARP-153L	Carpentry Laboratory III	8
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
		Semester Total 21
		Program Total 45-46

NOTES:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Carpentry Management Technology

Associate of Applied Science Degree

Professional–Technical Program

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

The second year of the Carpentry program leads to an A.A.S. degree in Carpentry 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, communications, business, and computer applications. Cabinet making, commercial construction, architecture, welding, and masonry may also be addressed according to student's individual preferences.

In addition to the specific Carpentry Management Technology courses, students must take a minimum of 15 credits of A.A.S. general education courses as specified in the program below.

Program Requirements

Course No.	Title	Credit Hrs
Summer Session		
CARP-141	Introduction to Residential Carpentry	3
CARP-142	Safe and Savvy Tool Use	3
		Session Total 6
Fall Semester		
CARP-143	Blueprints for Carpenters	3
CARP-144	Construction Materials, Equipment and Methods	3
CARP-145	All Things Concrete	2
CARP-146	Residential Framing	2
CARP-147	Residential Construction Laboratory	5
ENGL-101	English Composition ¹	3
		Semester Total 18
Spring Semester		
CARP-153	Carpentry Theory III	8
CARP-153L	Carpentry Laboratory III	8
_____	A.A.S. Math Requirement ³	3-5
		Semester Total 19-21
Fall Semester		
CADT-201	Architecture Print Reading and Estimating	2
CARP-251	Carpentry Management I	4
_____	A.A.S. General Education Requirement ²	3
		Semester Total 9
Spring Semester		
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-165	Productivity Software for Tech Programs	1
CAOT-166	Living Online for Tech Programs	1
CARP-252	Carpentry Management II	4
_____	A.A.S. English Composition Requirement ²	3
_____	A.A.S. Social Science/Human Relations/ Interpersonal Communications Requirement ²	3
		Semester Total 13
		Program Total 65-67

Notes:

- ¹ Satisfies A.A.S. degree general education requirements.
- ² Select from A.A.S. degree requirements listed on page 54.
- ³ Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.

Chemistry

Associate of Science Degree

Transfer Program

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 these 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
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

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 71	

Notes:

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

Child Development

Associate of Arts Degree

Transfer Program

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 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 8, 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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ¹	9

Program Requirements

Course No.	Title	Credits
CHD-115	Early Childhood Curriculum	3
CHD-134	Infancy through Middle Childhood	3
CHD-235	Observation and Assessment	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	0
Total Credits (minimum) 70	

Notes:

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

Child Development

Associate of Science Degree

Transfer Program

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 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 8, 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
CHD-115	Early Childhood Curriculum	3
CHD -134	Infancy through Middle Childhood	3
CHD-235	Observation and Assessment	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	4-6
Total Credits (minimum) 64	

Notes:

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

Child Development

Associate Certificate

Associate Credential Preparation Program

This program is intended for individuals preparing to work in early care and education settings and for those individuals already working in family child care or early childhood centers who wish to gain further knowledge and expertise in the field. The nationally recognized Child Development Associate (CDA) Credential is the minimum education standard required for employment in Head Start and accredited early childhood programs. Eighteen credits of coursework provide the theoretical and practical framework for establishing appropriate program practices for young children and families. After completing the courses and accompanying requirements, and with at least 480 documented hours of direct work with young children in an early childhood program, students will be ready to apply for the Child Development Associate Credential from the Council for Early Childhood Recognition.

A CDA candidate must be at least 18 years of age and have a high school diploma or equivalent and complete documentation requirements set by the Council for Early Childhood Recognition. These include a professional resource file, statements of competence for each of the six CDA Competency Goals, parent questionnaires, and the CDA Observation Instrument, which is completed by a trained advisor from the college.

The CDA credential is a recognized professional level on the Idaho Early Childhood Pathway of Professional Development. Credits earned for college coursework completed while pursuing a Child Development Associate Credential articulate directly into the NIC Child Development associate of arts and associate of science degrees.

Program Requirements

Course No.	Title	Credits
CHD-110	Child Health and Safety	3
CHD-134	Infancy through Middle Childhood	3
CHD-150	Professional Partnerships: Families, Schools, and Community	3
CHD-254	Child Guidance Theory	3
		Program Total 12

Collision Repair Technology

Technical Certificate

Professional–Technical Program

The Collision Repair Technology 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 communications, 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. 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 (see page 45).

Program Requirements

First Semester

Course No.	Title	Credits
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
MATH-015	Basic Mathematics (or higher)	3-4
WELD-140	Auto Collision Repair Welding	2
		Semester Total 24-25

Second Semester

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 ¹	2
ENGL-099	Fundamentals for Writing	3
	or ENGL-101 English Composition	(3)
		Semester Total 23

Program Total 47-48

Notes:

¹ Students may substitute another course with written permission of instructor and division chair.

Communication

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Program Requirements

Course No.	Title	Credits
COMM-209	Argumentation	3
COMM-220	Introduction to Intercultural Communication	3
COMM-233	Interpersonal Communication	3
COMM-236	Small Group Communication	3

Choose one from the following: 2-3

COMJ-140	Mass Media in a Free Society
COMM-103	Oral Interpretation
COMM-111	Interview Techniques
COMM-212	Nonverbal Communication

Elective Requirements

Courses 100-level or higher 0-1

Total Credits (minimum) 64

Communication

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
COMM-209	Argumentation	3
COMM-220	Introduction to Intercultural Communication	3
COMM-233	Interpersonal Communication	3
COMM-236	Small Group Communication	3

Choose one from the following: 2-3

COMJ-140	Mass Media in a Free Society
COMM-103	Oral Interpretation
COMM-111	Interview Techniques
COMM-212	Nonverbal Communication

Elective Requirements

Courses 100-level or higher	10-13
Total Credits (minimum) 64	

Computer Aided Design Technology- Architectural Design Option

Technical Certificate

Professional-Technical Program

The Computer Aided Design Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Technical Certificate, a four-semester advanced technical certificate, and a four-semester associate of applied science degree.

Three separate areas of discipline will be offered. Students can choose between Architectural Design Technology, Civil Design Technology, or Mechanical Design Technology. Each discipline will focus on specific content in the area of choice - Architectural, Civil, or Mechanical with emphasis on design principles and computer aided design applications.

Portions of the associate of applied science degree options may transfer to various four-year institutions. Contact your advisor or the Coordinator of Professional-Technical Student Support Services at (208) 769-3468 for details.

Students entering the A.A.S. degree program should be prepared to complete an A.A.S. math requirement and ENGL-101 (or higher) during the first year of the program before they may continue. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
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 Tech Programs	1
CAOT-165	Productivity Software for Tech Programs	1
CAOT-166	Living Online for Tech Programs	1
MATH-022	Technical Math for Machining and Computer Aided Design Technology (or higher)	3-4
_____	General Elective	3
		Semester Total 15-16

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
CADT-130	History of Architecture	2
CADT-131	Residential Architecture I	4
ENGL-099	Fundamentals for Writing	3
_____	or ENGL-101 English Composition	(3)
_____	General Elective	3
		Semester Total 14
		Program Total 29-30

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Computer Aided Design Technology- Architectural Design Option

Advanced Technical Certificate

Professional-Technical Program

The Computer Aided Design Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Technical Certificate, a four-semester advanced technical certificate, and a four-semester associate of applied science degree.

Three separate areas of discipline will be offered. Students can choose between Architectural Design Technology, Civil Design Technology, or Mechanical Design Technology. Each discipline will focus on specific content in the area of choice - Architectural, Civil, or Mechanical with emphasis on design principles and computer aided design applications.

Portions of the associate of applied science degree options may transfer to various four-year institutions. Contact your advisor or the Coordinator of Professional-Technical Student Support Services at (208) 769-3468 for details.

Students entering the A.A.S. degree program should be prepared to complete an A.A.S. math requirement and ENGL-101 (or higher) during the first year of the program before they may continue. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
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 Tech Programs	1
CAOT-165	Productivity Software for Tech Programs	1
CAOT-166	Living Online for Tech Programs	1
MATH-022	Technical Math for Machining and Computer Aided Design Technology (or higher)	3-4

Semester Total 12-13

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
CADT-130	History of Architecture	2
CADT-131	Residential Architecture I	4
ENGL-099	Fundamentals for Writing	3
_____	or ENGL-101 English Composition	(3)
_____	General Elective	3

Semester Total 14

Third Semester

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

Semester Total 12

Fourth Semester

CADT-204	Residential Architecture III	4
CADT-205	Light Commercial Architecture II	3
CADT-206	Architectural Green Building and Sustainable Design	2
_____	General Elective	3
_____	General Elective	3

Semester Total 15

Program Total 53-54

Notes:

¹ Students may substitute another course with written permission of instructor and division chair.

Computer Aided Design Technology- Architectural Design Option

Associate of Applied Science Degree

Professional-Technical Program

The Computer Aided Design Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Technical Certificate, a four-semester advanced technical certificate, and a four-semester associate of applied science degree.

Three separate areas of discipline will be offered. Students can choose between Architectural Design Technology, Civil Design Technology, or Mechanical Design Technology. Each discipline will focus on specific content in the area of choice - Architectural, Civil, or Mechanical with emphasis on design principles and computer aided design applications.

Portions of the associate of applied science degree options may transfer to various four-year institutions. Contact your advisor or the Coordinator of Professional-Technical Student Support Services at (208) 769-3468 for details.

Students entering the A.A.S. degree program should be prepared to complete an A.A.S. math requirement and ENGL-101 (or higher) during the first year of the program before they may continue. 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 (see page 45).

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

Program Requirements

In addition to the specific Computer Aided Design Technology courses, students must take a minimum of 15 credits of A.A.S. general education courses as specified in the program below.

First Semester

Course No.	Title	Credits
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 Technology Programs	1
CAOT-165	Productivity Software for Technology Programs	1
CAOT-166	Living Online for Technology Programs	1
ENGL-101	English Composition ¹	3
Semester Total		12

Second Semester

CADT-130	History of Architecture	2
CADT-131	Residential Architecture I	4
ENSI-119	Introduction to Environmental Science ¹	4
_____	A.A.S. Mathematics Requirement ²	3
_____	A.A.S. General Education Requirement ²	3
Semester Total		16

Third Semester

CADT-201	Architectural Print Reading and Estimating	2
CADT-202	Residential Architecture II	4
CADT-203	Light Commercial Architecture I	3
_____	A.A.S. Social Science/Human Relations/ Interpersonal Communications Requirement ²	3
_____	A.A.S. Natural Science Requirement ²	4
Semester Total		16

Fourth Semester

ATEC-117	Occupational Relations and Job Search ³	2
CADT-204	Residential Architecture III	4
CADT-205	Light Commercial Architecture II	3
CADT-206	Architectural Green Building and Sustainable Design	2
PHIL-201	Logic and Critical Thinking	3
_____	A.A.S. English Composition Requirement ²	3
Semester Total		17
Program Total		61

Notes:

- ¹ Satisfies A.A.S. degree general education requirement.
- ² Select from the A.A.S. degree requirements listed on page 54.
- ³ Students may substitute another course with written permission of instructor and division chair.

Computer Aided Design Technology-Mechanical Design Option

Technical Certificate

Professional-Technical Program

The Computer Aided Design Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Technical Certificate, a four-semester advanced technical certificate, and a four-semester associate of applied science degree.

Three separate areas of discipline will be offered. Students can choose between Architectural Design Technology, Civil Design Technology, or Mechanical Design Technology. Each discipline will focus on specific content in the area of choice - Architectural, Civil, or Mechanical with emphasis on design principles and computer aided design applications.

Portions of the associate of applied science degree options may transfer to various four-year institutions. Contact your advisor or the Coordinator of Professional-Technical Student Support Services at (208) 769-3468 for details.

Students entering the A.A.S. degree program should be prepared to complete an A.A.S. math requirement and ENGL-101 (or higher) during the first year of the program before they may continue. 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 (see page 45).

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

Program Requirements

First Semester

CADT-104M	CAD Graphics I-Mechanical Applications	2
CADT-106M	CAD Graphics II-Mechanical Applications	2
CAOT-164	Computer Fundamentals for Technology Programs	1
CAOT-165	Productivity Software for Technology Programs	1
ENGL-099 or ENGL-101	Fundamentals for Writing English Composition	3 (3)
MATH-022	Technical Math for Machining and Computer Aided Design Technology (or higher)	3-4

Semester Total 12-13

Second Semester

A TEC-117	Occupational Relations and Job Search ¹	2
CADT-105	Descriptive Geometry	3
CADT-109	Basic Mechanical Design	4
CAOT-166	Living Online for Technology Programs	1
MACH-185	SPC and Mechanical Measurement	1
MACH-201	Basic CNC Turning Theory	1
_____	General Elective	3

**Semester Total 15
Program Total 27-28**

Notes:

¹ Students may substitute another course with written permission of instructor and division chair.

Computer Aided Design Technology-Mechanical Design Option

Advanced Technical Certificate

Professional-Technical Program

The Computer Aided Design Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Technical Certificate, a four-semester advanced technical certificate, and a four-semester associate of applied science degree.

Three separate areas of discipline will be offered. Students can choose between Architectural Design Technology, Civil Design Technology, or Mechanical Design Technology. Each discipline will focus on specific content in the area of choice - Architectural, Civil, or Mechanical with emphasis on design principles and computer aided design applications.

Portions of the associate of applied science degree options may transfer to various four-year institutions. Contact your advisor or the Coordinator of Professional-Technical Student Support Services at (208) 769-3468 for details.

Students entering the A.A.S. degree program should be prepared to complete an A.A.S. math requirement and ENGL-101 (or higher) during the first year of the program before they may continue. 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 (see page 45).

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

Program Requirements

First Semester

CADT-104M	CAD Graphics I-Mechanical Applications	2
CADT-106M	CAD Graphics II-Mechanical Applications	2
CAOT-164	Computer Fundamentals for Technology Programs	1
CAOT-165	Productivity Software for Technology Programs	1
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
MATH-022	Technical Math for Machining and Computer Aided Design Technology (or higher)	3-4

Semester Total 12-13

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
CADT-105	Descriptive Geometry	3
CADT-109	Basic Mechanical Design	4
CAOT-166	Living Online for Technology Programs	1
MACH-185	SPC and Mechanical Measurement	1
MACH-201	Basic CNC Turning Theory	1

Semester Total 12

Third Semester

CADT-250	SolidWorks I	2
CADT-252	SolidWorks II	2
CADT-253	Industrial Processes	3
CADT-255	Geometric Dimensioning and Tolerancing	3
MACH-231	Computers and Machines	3
_____	General Elective	2

Semester Total 15

Fourth Semester

CADT-254	Power Transmission	3
CADT-254L	Power Transmission Lab	1
CADT-257	Advanced Mechanical Design	4
CADT-261	Statics and Strengths of Materials	3
_____	General Elective	3

**Semester Total 14
Program Total 53-54**

Notes:

¹ Students may substitute another course with written permission of instructor and division chair.

Computer Aided Design Technology-Mechanical Design Option

Associate of Applied Science Degree

Professional-Technical Program

The Computer Aided Design Technology program offers students the opportunity to learn skills required by today's industries. Students can pursue a two-semester Technical Certificate, a four-semester advanced technical certificate, and a four-semester associate of applied science degree.

Three separate areas of discipline will be offered. Students can choose between Architectural Design Technology, Civil Design Technology, or Mechanical Design Technology. Each discipline will focus on specific content in the area of choice - Architectural, Civil, or Mechanical with emphasis on design principles and computer aided design applications.

Portions of the associate of applied science degree options may transfer to various four-year institutions. Contact your advisor or the Coordinator of Professional-Technical Student Support Services at (208) 769-3468 for details.

Students entering the A.A.S. degree program should be prepared to complete an A.A.S. math requirement and ENGL-101 (or higher) during the first year of the program before they may continue. 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 (see page 45).

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

Program Requirements

In addition to the specific Computer Aided Design Technology courses, students must take a minimum of 15 credits of A.A.S. general education courses as specified in the program below.

First Semester

CADT-104M	CAD Graphics I-Mechanical Applications	2
CADT-106M	CAD Graphics II-Mechanical Applications	2
CAOT-164	Computer Fundamentals for Technology Programs	1
CAOT-165	Productivity Software for Technology Programs	1
ENGL-101	English Composition ¹	3
_____	A.A.S. Natural Science Requirement ²	4
		Semester Total 13

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
CADT-105	Descriptive Geometry	3
CADT-109	Basic Mechanical Design	4
CAOT-166	Living Online for Technology Programs	1
MACH-185	SPC and Mechanical Measurement	1
MACH-201	Basic CNC Turning Theory	1
MATH-143	College Algebra (or higher) ¹	3
		Semester Total 15

Third Semester

CADT-250	SolidWorks I	2
CADT-252	SolidWorks II	2
CADT-253	Industrial Processes	3
CADT-255	Geometric Dimensioning and Tolerancing	3
ENGL-202	Technical Writing ¹	3
MACH-231	Computers and Machines	3
MATH-143D	College Algebra-Computer Aided Drafting Applications (or higher)	1
		Semester Total 17

Fourth Semester

CADT-254	Power Transmission	3
CADT-254L	Power Transmission Lab	1
CADT-257	Advanced Mechanical Design	4
CADT-261	Statics and Strengths of Materials	3
_____	A.A.S. Social Science/Human Relations/ Interpersonal Communications Requirement ²	3
_____	A.A.S. General Education Requirement ²	3
		Semester Total 17
		Program Total 62

Notes:

¹ Satisfies A.A.S. degree general education requirement.

² Select from the A.A.S. degree requirements listed on page 54.

Computer Applications

Post Secondary Certificate

Professional–Technical Program

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 the Microsoft Certified Applications Specialist (MCAS) industry certification testing. Students are strongly encouraged to pursue MCAS (Microsoft Certified Application Specialist) Certification as part of this program.

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-140	Database/Access 1	1
CAOT-141	Database/Access 2	1
CAOT-142	Database/Access 3	1
CAOT-150	PowerPoint	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-166	Living Online for Tech Programs	1
CAOT-250	Office Skills Capstone	1
Total Credits (minimum)		15

Computer Information Technology

Technical Certificate

Professional–Technical Program

The Computer Information Technology (CITE) program prepares students for careers in information technology by offering a one-year technical certificate, a two-year advanced technical certificate, and an associate of applied science degree. The A.A.S. degree in Computer Information Technology 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 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 Computer Information Technology 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 Regional Academy and a Local Academy that delivers training directly to students and professionals. NIC is a Microsoft IT Academy and a Microsoft Developer Network Academic Alliance partner.

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 limited enrollment program. Successful completion of the first 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. Placement in specific math and English 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 (see page 45).

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CITE-110	Personal Computer Support 1	3
CITE-110L	Personal Computer Support 1 Lab	0
CITE-112	Personal Computer Support 2	3
CITE-112L	Personal Computer Support 2 Lab	0
CITE-114	Supporting a Desktop Operating System in Business	4
CITE-114L	Supporting a Desktop Operating System in Business Lab	0
ENGL-101	English Composition	3
MATH-025	Elementary Algebra (or higher)	3-4
		Semester Total 17-18

Second Semester

CITE-101	Networking 1	4
CITE-102	Networking 2	3
CITE-171	Internetworking 1	4
CITE-172	Internetworking 2	3
COMM-101	Introduction to Speech Communication	3
		Semester Total 17
		Program Total 34-35

Computer Information Technology

Advanced Technical Certificate

Professional-Technical Program

The Computer Information Technology (CITE) program prepares students for careers in information technology by offering a one-year technical certificate, a two-year advanced technical certificate, and an associate of applied science degree. The A.A.S. degree in Computer Information Technology 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 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 Computer Information Technology 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 Regional Academy and a Local Academy that delivers training directly to students and professionals. NIC is a Microsoft IT Academy and a Microsoft Developer Network Academic Alliance partner.

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 limited enrollment program. Successful completion of the first 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. Placement in specific math and English 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 (see page 45).

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CITE-110	Personal Computer Support 1	3
CITE-110L	Personal Computer Support 1 Lab	0
CITE-112	Personal Computer Support 2	3
CITE-112L	Personal Computer Support 2 Lab	0
CITE-114	Supporting a Desktop Operating System in Business	4
CITE-114L	Supporting a Desktop Operating System in Business Lab	0
ENGL-101	English Composition	3
MATH-025	Elementary Algebra (or higher)	3-4
Semester Total		17-18

Second Semester

CITE-101	Networking 1	4
CITE-102	Networking 2	3
CITE-171	Internetworking 1	4
CITE-172	Internetworking 2	3
COMM-101	Introduction to Speech Communication	3
Semester Total		17

Third Semester

CITE-201	Networking 3	3
CITE-202	Networking 4	3
CITE-281	Internetworking 3	3
CITE-282	Internetworking 4	3
Semester Total		12

Fourth Semester

CITE-203	Networking 5	3
CITE-285	Fundamentals of Network Security	4
CITE-295	CITE Internship	4
or ATEC-117	Occupational Relations and Job Search	2
Semester Total		9-11
Program Total		55-58

Computer Information Technology

Associate of Applied Science Degree

Professional–Technical Program

In addition to the specific Computer Information Technology courses, students must take a minimum of 15 credits of A.A.S. general education courses as specified in the program below.

The Computer Information Technology (CITE) program prepares students for careers in information technology by offering a one-year technical certificate, a two-year advanced technical certificate, and an associate of applied science degree. The A.A.S. degree in Computer Information Technology 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 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 Computer Information Technology 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 Regional Academy and a Local Academy that delivers training directly to students and professionals. NIC is a Microsoft IT Academy and a Microsoft Developer Network Academic Alliance partner.

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 limited enrollment program. Successful completion of the first 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. Placement in specific math and English 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 (see page 45).

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CITE-110	Personal Computer Support 1	3
CITE-110L	Personal Computer Support 1 Lab	0
CITE-112	Personal Computer Support 2	3
CITE-112L	Personal Computer Support 2 Lab	0
CITE-114	Supporting a Desktop Operating System in Business	4
CITE-114L	Supporting a Desktop Operating System in Business Lab	0
ENGL-101	English Composition ¹	3
		Semester Total 14

Second Semester

CITE-101	Networking 1	4
CITE-102	Networking 2	3
CITE-171	Internetworking 1	4
CITE-172	Internetworking 2	3
COMM-101	Introduction to Speech Communication ²	3
		Semester Total 17

Third Semester

CITE-201	Networking 3	3
CITE-202	Networking 4	3
CITE-281	Internetworking 3	3
CITE-282	Internetworking 4	3
_____	A.A.S. Math Requirement ²	3-5
		Semester Total 15-17

Fourth Semester

CITE-203	Networking 5	3
CITE-285	Fundamentals of Network Security	4
CITE-295	CITE Internship	4
_____	or ATEC-117 Occupational Relations and Job Search (2)	
_____	A.A.S. General Education Requirement	3
_____	A.A.S. Social Science/Human Relations/Interpersonal Communications Requirement ³	3
		Semester Total 15-17
		Program Total 61-65

Notes:

- ¹ Satisfies A.A.S. degree general education requirement.
- ² Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ³ Select from A.A.S. degree requirements listed on page 54.

Computer Science

Associate of Science Degree

Transfer Program

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, and numerical analysis. This program requires a solid mathematic background.

Completion of the following courses normally fulfills the first half of bachelor degree requirements in Computer Science. Course selections should be tailored to match requirements of the intended transfer institution.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

CS-150	Computer Science I	4
CS-160	Computer Science II	3
CS-250	Data Structures	3
CS-270	Computer Organization and Assembly Language	3
MATH-170	Analytic Geometry and Calculus I	4
MATH-175	Analytic Geometry and Calculus II	4
MATH-187	Discrete Math	4
MATH-335	Linear Algebra	3
PHYS-211	Engineering Physics I ¹	5
PHYS-212	Engineering Physics II ¹	5

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 64	

Recommended Courses

CS-240	Digital Logic	4
ENGL-202	Technical Writing	3

Notes:

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

Criminal Justice

Associate of Arts Degree

Transfer Program

This program is recommended for students interested in pursuing a career in the criminal justice field. Positions available to graduates may be found in the areas of local law enforcement agencies, correctional institutions, public and private security agencies, insurance companies (adjustor, investigator, etc.), or with a state's Department of Motor Vehicles.

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 selection should be tailored to match requirements defined by intended transfer institutions.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	6

Program Requirements

Course No.	Title	Credits
CJ-103	Introduction to Criminal Justice	3
POLS-101	American National Government	3
SOC-101	Introduction to Sociology	3

Choose one course from the following: 3-4

MATH-130	Finite Mathematics
MATH-143	College Algebra

Elective Requirements

Courses 100-level or higher	11-12
Total Credits (minimum) 64	

Recommended Courses

CJ-202	Corrections in America	3
CJ-205	Criminal Procedure	3

Notes:

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

Criminal Justice

Associate of Science Degree

Transfer Program

This program is recommended for students interested in pursuing a career in the criminal justice field. Positions available to graduates may be found in the areas of local law enforcement agencies, correctional institutions, public and private security agencies, insurance companies (adjustor, investigator, etc.), or with a state's Department of Motor Vehicles.

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 selection should be tailored to match requirements defined by intended transfer institutions.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	0
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
CJ-103	Introduction to Criminal Justice	3
POLS-101	American National Government	3
SOC-101	Introduction to Sociology	3

Choose one course from the following: 3-4

- MATH-130 Finite Mathematics
- MATH-143 College Algebra

Elective Requirements

Courses 100-level or higher 23-24

Total Credits (minimum) 64

Recommended Courses

CJ-202	Corrections in America	3
CJ-205	Criminal Procedure	3

Notes:

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

Culinary Arts

Technical Certificate

Professional-Technical Program

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 spend approximately 10 hours a week in theory and 20 hours a week in the kitchen and dining room operating Emery's Restaurant to learn the front and back of restaurant operations. Successful completion of each semester or permission of the instructor is required for admission into the next semester. This is a limited enrollment program. Placement in specific math and English courses is determined by the college assessment test. Prospective students must score 33 or higher on the Pre-Algebra COMPASS placement test prior to entry into the program. 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 (see page 45).

Program Requirements

First Semester

Course No.	Title	Credits
CULA-150	Sanitation and Safety	1
CULA-151	Introduction to Food Service	3
CULA-152	Breakfast Cookery and Food Presentation, Garnish, Quick Breads	1
CULA-155	Preparation of Stocks, Soups, and Sauces	1
CULA-165	Introduction to Customer Service	3
CULA-165L	Introduction to Customer Service Lab	0
CULA-170	Culinary Arts Lab I	6
MATH-015	Basic Math (or higher)	3-4

Semester Total 18-19

Second Semester

A TEC-117	Occupational Relations and Job Search	2
CULA-156	Preparation of Meats, Poultry, Fish, and Shellfish	1
CULA-157	Preparation of Vegetables, Starches, Sandwiches, and Salads	2
CULA-158	Bakeshop	2
CULA-166	Restaurant Customer Service Operations	3
CULA-166L	Restaurant Customer Service Operations Lab	0
CULA-171	Culinary Arts Lab II	6
CULA-173	Specialty Food Design and Event Menu Planning	2
CULA-176	Culinary Arts Internship	2
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)

Semester Total 23
Program Total 41-42

Diesel Technology

Technical Certificate

Professional-Technical Program

The Diesel Technology program is designed to prepare students for employment as entry-level truck/heavy equipment technicians. The 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 Class B Commercial Drivers License (CDL) training. Integrated in the program is a course in welding and cutting using both oxy-acetylene and electric arc. 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. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
DSL-105	Orientation/Safety/General Shop Practices	2
DSL-118L	Diesel Engine Lab	2
DSL-119L	Electrical Systems Lab	1
DSL-120	Diesel Engines	5
DSL-122	Electrical Systems	4
MATH-021	Technical Math for Auto/Diesel/Outdoor Power/Recreational Vehicle (or higher)	3-4
		Semester Total 17-18

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
DSL-128L	Powertrain Lab	2
DSL-129L	Brake Systems Lab	1
DSL-130	Powertrain	5
DSL-132	Brake Systems	4
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
WELD-109L	Diesel Welding Lab	1
		Semester Total 18

Summer Session

DSL-117L	Diesel Lab	2
DSL-135	Suspension/Steering/AC/CDL	4
		Session Total 6
		Program Total 41-42

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Diesel Technology

Advanced Technical Certificate

Professional-Technical Program

The Diesel Technology program is designed to prepare students for employment as entry-level truck/heavy equipment technicians. The 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 Class B Commercial Drivers License (CDL) training. Integrated in the program is a course in welding and cutting using both oxy-acetylene and electric arc. 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. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
DSLTL-105	Orientation/Safety/General Shop Practices	2
DSLTL-118L	Diesel Engine Lab	2
DSLTL-119L	Electrical Systems Lab	1
DSLTL-120	Diesel Engines	5
DSLTL-122	Electrical Systems	4
MATH-021	Technical Math for Auto/Diesel/Outdoor Power/Recreational Vehicle (or higher)	3-4
		Semester Total 17-18

Second Semester

DSLTL-128L	Powertrain Lab	2
DSLTL-129L	Brake Systems Lab	1
DSLTL-130	Powertrain	5
DSLTL-132	Brake Systems	4
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
WELD-109L	Diesel Welding Lab	1
		Semester Total 16

Summer Session

DSLTL-117L	Diesel Lab	2
DSLTL-135	Suspension/Steering/AC/CDL	4
		Session Total 6

Third Semester

ATEC-117	Occupational Relations and Job Search ¹	2
DSLTL-218L	Advanced Tune-Up Lab	2
DSLTL-219L	Computerized Engine Lab	2
DSLTL-220	Advanced Tune-Up	4
DSLTL-222	Computerized Engines	4
		Semester Total 14

Fourth Semester

DSLTL-228L	Undercarriage/Powershift Lab	2
DSLTL-229L	Hydraulics Lab	2
DSLTL-230	Undercarriage/Powershift Transmissions	4
DSLTL-232	Hydraulic Systems	4
		Semester Total 12
		Program Total 65-66

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Diesel Technology

Associate of Applied Science Degree

Professional-Technical Program

In addition to the specific Diesel 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.)

The Diesel Technology program is designed to prepare students for employment as entry-level truck/heavy equipment technicians. The 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 Class B Commercial Drivers License (CDL) training. Integrated in the program is a course in welding and cutting using both oxy-acetylene and electric arc. 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. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
DSL1-105	Orientation/Safety/General Shop Practices	2
DSL1-118L	Diesel Engine Lab	2
DSL1-119L	Electrical Systems Lab	1
DSL1-120	Diesel Engines	5
DSL1-122	Electrical Systems	4
_____	A.A.S. Math Requirement ¹	3-4
		Semester Total 17-18

Second Semester

DSL1-128L	Powertrain Lab	2
DSL1-129L	Brake Systems Lab	1
DSL1-130	Powertrain	5
DSL1-132	Brake Systems	4
ENGL-101	English Composition ²	3
WELD-109L	Diesel Welding Lab	1
		Semester Total 16

Summer Session

DSL1-117L	Diesel Lab	2
DSL1-135	Suspension/Steering/AC/CDL	4
		Session Total 6

Third Semester

DSL1-218L	Advanced Tune-Up Lab	2
DSL1-219L	Computerized Engine Lab	2
DSL1-220	Advanced Tune-Up	4
DSL1-222	Computerized Engines	4
_____	A.A.S. English Composition Requirement ³	3
_____	A.A.S. Social Science/Human Relations/Interpersonal Communications Requirement ³	3
		Semester Total 18

Fourth Semester

DSL1-228L	Undercarriage/Powershift Lab	2
DSL1-229L	Hydraulics Lab	2
DSL1-230	Undercarriage/Powershift Transmissions	4
DSL1-232	Hydraulic Systems	4
_____	A.A.S. General Education Requirement ³	3
		Semester Total 15
		Program Total 72-73

Notes:

- ¹ Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ² Satisfies A.A.S. degree requirement.
- ³ Select from A.A.S. degree general education requirements listed on page 54.

Education-Elementary or Middle School Teacher Education

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	3

Program Requirements

Course No.	Title	Credits
EDUC-201	Introduction to Teaching	3
HIST-111	U.S. History: Discovery to Reconstruction	3
HIST-112	U.S. History: Gilded Age to the Present	3
MATH-143	College Algebra	3
MATH-157	Mathematics for Elementary Teachers I	3
MATH-257	Mathematics for Elementary Teachers II	3
POLS-101	American National Government	3
PSYC-101	Introduction to Psychology	3

Elective Requirements

Courses 100-level or higher	<u>3</u>
Total Credits (minimum) 64	

Notes:

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

Education-Elementary or Middle School Teacher Education

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	0
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
EDUC-201	Introduction to Teaching	3
HIST-111	U.S. History: Discovery to Reconstruction	3
HIST-112	U.S. History: Gilded Age to the Present	3
MATH-143	College Algebra	3
MATH-157	Mathematics for Elementary Teachers I	3
MATH-257	Mathematics for Elementary Teachers II	3
POLS-101	American National Government	3
PSYC-101	Introduction to Psychology	3

Elective Requirements

Courses 100-level or higher	<u>15</u>
Total Credits (minimum) 64	

Notes:

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

Education-Secondary Education

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	9

Program Requirements

Course No.	Title	Credits
EDUC-201	Introduction to Teaching	3
MATH-143	College Algebra	3
PSYC-101	Introduction to Psychology	3

Elective Requirements

Courses 100-level or higher	<u>12</u>
Total Credits (minimum) 64	

Notes:

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

Education-Secondary Education

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
EDUC-201	Introduction to Teaching	3
MATH-143	College Algebra	3
PSYC-101	Introduction to Psychology	3

Elective Requirements

Courses 100-level or higher	<u>24</u>
Total Credits (minimum) 64	

Notes:

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

Engineering

Associate of Science Degree

Transfer Program

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 degree requirements in Engineering. Course selections should be tailored to match requirements of the intended transfer institution.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
CHEM-111	Principles of General College Chemistry I	5
ENGL-202	Technical Writing	3
ENGR-123	Intro to Engineering	2
ENGR-210	Statics	3
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-370	Intro to Ordinary Differential Equations	3
PHYS-211	Engineering Physics I ¹	5

Elective Requirements

Courses 100-level or higher ²	7-8
Total Credits (minimum) 66-68	

Recommended Courses

ECON-201	Principles of Economics (Macro)	3
ECON-202	Principles of Economics (Micro)	3
PHIL-103	Ethics	3

Notes:

- ¹ This General Education Requirement is met by the Program Requirements.
- ² Recommend choosing courses from the Areas of Emphasis according to transfer institution requirements.

Recommended Electives

Civil Engineering

CHEM-112	Principles of College Chemistry II	5
ENGR-105	Engineering Graphics	2
ENGR-214	Surveying	4
ENGR-220	Dynamics of Rigid Bodies	3
ENGR-223	Engineering Analysis	3
ENGR-295	Strength of Materials	3
PHYS-212	Engineering Physics II	5

Chemical Engineering

CHEM-112	Principles of 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
CS-150	Computer Science	4
ENGR-240	Circuits I	4
PHYS-212	Engineering Physics II	5

Electrical Engineering

CS-150	Computer Science	4
CS-240	Digital Logic	4
ENGR-220	Dynamics of Rigid Bodies	3
ENGR-240	Circuits I	4
ENGR-241	Circuits II	4
MATH-335	Linear Algebra	3
PHYS-212	Engineering Physics II	5

Mechanical Engineering

ENGR-105	Engineering Graphics	2
ENGR-220	Dynamics of Rigid Bodies	3
ENGR-223	Engineering Analysis	3
ENGR-240	Circuits I	4
ENGR-295	Strength of Materials	3
MATH-335	Linear Algebra	3
PHYS-212	Engineering Physics II	5

English

Associate of Arts Degree

Transfer Program

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 provides students with strong reading comprehension abilities and inspires cultural, social, philosophical, and historical inquiry. Studying composition 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 degree requirements in English. Course selections should be tailored to match requirements of the intended transfer institutions.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ¹	0
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity ²	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Program Requirements

Course No.	Title	Credits
ENGL-175	Introduction to Literature	3
ENGL-205	Interdisciplinary Writing	3
ENGL-210	Literary Analysis	3
HUMS-101	Introduction to the Humanities	3

Choose two courses from the following 6

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-277	Survey of American Literature	
ENGL-278	Survey of American Literature	
ENGL-295	Contemporary US Multicultural Literature	

Elective Requirements

Courses 100-level or higher	<u>1-3</u>
Total Credits (minimum) 64	

Notes:

- ¹ This General Education Requirement is met by the Program Requirements.
- ² This General Education Requirement may be met by the Program Requirements.

English

Associate of Science Degree

Transfer Program

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 provides students with strong reading comprehension abilities and inspires cultural, social, philosophical, and historical inquiry. Studying composition 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 degree requirements in English. Course selections should be tailored to match requirements of the intended transfer institutions.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	0
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
ENGL-175	Introduction to Literature	3
ENGL-205	Interdisciplinary Writing	3
ENGL-210	Literary Analysis	3
HUMS-101	Introduction to the Humanities	3

Choose two courses from the following 6

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-277	Survey of American Literature
ENGL-278	Survey of American Literature
ENGL-295	Contemporary US Multicultural Literature

Elective Requirements

Courses 100-level or higher	16-18
Total Credits (minimum) 64	

Notes:

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

Environmental Science

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
BIOL-115	Introduction to Life Sciences	4
BIOL-202	General Zoology	4
BIOL-203	General Botany	4
BIOL-231	General Ecology	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

Choose one course from the following 4

- MATH-160 Survey of Calculus
- MATH-170 Analytic Geometry and Calculus I

Elective Requirements

Courses 100-level or higher 0
Total Credits (minimum) 64

Notes:

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

Fire Service Technology

Associate of Applied Science Degree

Professional-Technical Program

The Fire Service Technology curriculum is designed to develop and upgrade 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 degree in Fire Service Technology.

Program Requirements

General Education (Student must complete a minimum of 15 credits from the courses below).

Course No.	Title	Credits
ENGL-101	English Composition	3
_____	English Composition Requirement ¹	3
_____	Math Requirement ²	3-4
_____	A.A.S. Social Science/Human Relations/Interpersonal Communications Requirement ¹	3
_____	A.A.S. General Education Requirement ¹	3
General Education Total		15

Additional courses:

FST-100	Fire Service Technology	48
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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

Program Total 64

Notes:

- ¹ Select from A.A.S. degree requirements listed on page 52.
- ² Mathematics requirement includes any math course that is MATH 123 or higher and meets the A.A.S. degree requirements listed on page 52.

Forestry/Wildlife/Range Management

Associate of Science Degree

Transfer Program

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 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	3
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
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 ¹	4
ECON-202	Principles of Economics (Micro)	3
MATH-253	Principles of Applied Statistics	3

Choose one course from the following: 4

- MATH-160 Survey of Calculus
- MATH-170 Analytic Geometry and Calculus I

Elective Courses

Choose a minimum of 18 credits depending on the major chosen at your transfer institution.

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

Total Credits (minimum) 64

Notes:

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

General Studies

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Elective Requirements

Courses 100-level or higher	<u>13-16</u>
Total Credits (minimum) 64	

General Studies

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Elective Requirements

Courses 100-level or higher	<u>24-27</u>
Total Credits (minimum) 64	

Geology

Associate of Science Degree

Transfer Program

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 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
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

Elective Requirements

Courses 100-level or higher	0
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Total Credits (minimum) 64

Notes:

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

Graphic Design

Academic Certificate

Transfer Program

This occupational program prepares graduates to meet the challenges of graphic design and related professions. The curriculum aims to equip students with the skills, knowledge, and abilities necessary to enter the job market. The broad range of media used to implement creative and aesthetic solutions includes work in print advertising, packaging, and a variety of electronic media including computer graphics and the Internet. This program applies toward the requirements for an associate of applied science degree in Graphic Design and an associate of applied science degree in Web Design.

Program Requirements

First Semester

Course No.	Title	Credits
ENGL-101	English Composition	3
GDES-101	History of Graphic Design	2
GDES-112	Drawing for Designers	2
GDES-120	Typography	2
GDES-130	Introduction to Apple Operating Systems (Mac OS)	1
GDES-131	Adobe Illustrator-Vector Graphics	3
GDES-132	Adobe Photoshop-Raster Graphics	3
GDES-133	Adobe InDesign-Layout and Composition	3
GDES-134	Acrobat Dynamic PDF	2
GDES-140	Internet Fundamentals	2
GDES-221	Graphic Design I	3
MATH-025	Elementary Algebra (or higher)	3
Total Credits (minimum)		29

Graphic Design

Associate of Applied Science Degree

Transfer Program

This Graphic Design program offers an occupational focused curriculum, which aims to equip students with the basic skills, knowledge, and abilities necessary to obtain entry-level positions in the job market. A project-oriented methodology is used to implement creative, technical, and esthetic solutions into print advertising, packaging, web, digital video production, and new media applications. This program fulfills the requirements for a certificate in Graphic Design and an associate of applied science degree in Graphic Design.

Program Requirements

General Education Requirements (see pages 54)

Area of Study	Credits
English Composition ¹	0
Mathematics	3-5
Social Science/Human Relations/Interpersonal Communications ¹	0
Natural Sciences or additional course from above ¹	0

Program Requirements

ART-100	Survey of Art	3
BUSA-101	Introduction to Business	3
COMM-101	Introduction to Speech Communication	3
ENGL-101	English Composition	3
GDES-101	History of Graphic Design	2
GDES-112	Drawing for Designers	2
GDES-120	Typography	2
GDES-130	Introduction to Apple Operating Systems (Mac OS)	1
GDES-131	Adobe Illustrator-Vector Graphics	3
GDES-132	Adobe Photoshop-Raster Graphics	3
GDES-133	Adobe InDesign-Layout and Composition	3
GDES-134	Acrobat Dynamic PDF	2
GDES-140	Internet Fundamentals	2
GDES-213	Digital Illustration	2
GDES-221	Graphic Design I	3
GDES-222	Graphic Design II	3
GDES-223	Graphic Design III	3
GDES-225	Introduction to Digital Video	2
GDES-226	Computer Animation	2
GDES-250	Prepress	2
GDES-255	Design Concepts for the Web	3
GDES-271	Design Projects	3
GDES-283	Portfolio Development	3
GDES-290	Internship	3
PHTO-183	Introduction to Digital Photography	3
Total Credits (minimum) 64-66		

Notes:

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

Heating, Ventilation, Air Conditioning/Refrigeration (HVAC/R)

Technical Certificate

Professional-Technical Program

Completion of the 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 communications, 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.

Successful completion of this program satisfies the four-year related training requirement and the first year of OJT for the Idaho State HVAC apprenticeship program.

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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credit Hrs
CAOT-162	Introduction to Computer Applications	2
or CAOT-164	Computer Fundamentals for Tech Programs (1)	
and CAOT-165	Productivity Software for Tech Programs (1)	
and CAOT-166	Living Online for Tech Programs (1)	
HVAC-161	HVAC/R Principles	3
HVAC-161L	HVAC/R Lab I	5
HVAC-165	HVAC/R Electrical	4
HVAC-167	HVAC Heating	4
MATH-015	Basic Math (or higher)	3-4
		Semester Total 21-23

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition (3)	
HVAC-171L	HVAC/R Lab 2	5
HVAC-175	HVAC Systems	4
HVAC-177	Refrigeration	4
HVAC-180	HVAC/R Codes and Licenses	3
		Semester Total 21
		Program Total 42-44

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

History

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	2-3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ¹	9

Program Requirements

HIST-101	History of Civilization to 1500	3
HIST-102	History of Civilization Since 1500	3
HIST-111	United States History: Discovery to Reconstruction	3
HIST-112	United States History: Gilded Age to Present	3
HIST-290	The Historian's Craft	3

Elective Requirements

Courses 100-level or higher	1-4
Total Credits (minimum) 64	

Notes:

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

Recommended Courses

POLS-101	American National Government	3
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Choose 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

History

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	3
Social Science and Arts and Humanities ²	0

Program Requirements

HIST-101	History of Civilization to 1500	3
HIST-102	History of Civilization Since 1500	3
HIST-111	United States History: Discovery to Reconstruction	3
HIST-112	United States History: Gilded Age to Present	3
HIST-290	The Historian's Craft	3

Elective Requirements

Courses 100-level or higher	16-18
Total Credits (minimum) 64	

Notes:

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

Recommended Courses

POLS-101	American National Government	3
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Choose 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

Humanities

Associate of Arts Degree

Transfer Program

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; communications; 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 either an associate of arts degree or an associate of science 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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ¹	3
Communication	3
Computer Science	2-3
Critical Thinking	3
Cultural Diversity ²	0
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Program Requirements

ENGL-205	Interdisciplinary Writing	3
HUMS-101	Montage: Introduction to the Humanities	3
HUMS-205	Visual Texts and Culture	3
HUMS-295	Themes in the Humanities	3
INTR-200	Interdisciplinary Seminar	3

Elective Requirements

Courses 100-level or higher ³	4-7
Total Credits (minimum) 64	

Notes:

- ¹ This General Education Requirement is partially met by the Program Requirements.
- ² This General Education Requirement is met by the Program Requirements.
- ³ Recommend courses from Art, Cinema Arts, Communications, Humanities, Music, Philosophy, Literature, or Theatre.

Humanities

Associate of Science Degree

Transfer Program

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; communications; 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 either an associate of arts degree or an associate of science 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	0
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

ENGL-205	Interdisciplinary Writing	3
HUMS-101	Montage: Introduction to the Humanities	3
HUMS-205	Visual Texts and Culture	3
HUMS-295	Themes in the Humanities	3
INTR-200	Interdisciplinary Seminar	3

Elective Requirements

Courses 100-level or higher ²	<u>16-18</u>
Total Credits (minimum) 64	

Notes:

- ¹ This General Education Requirement is met by the Program Requirements.
- ² Recommend courses from Art, Cinema Arts, Communications, Humanities, Music, Philosophy, Literature, or Theatre.

Industrial Technology

Technical Certificate

Professional-Technical Program

The Industrial Technology program allows students to design an industrial technology technical certificate by completing courses from various professional-technical education programs. It is designed for students seeking entry-level employment or who may want to transfer into a specific professional-technical program. This certificate can be completed in two or four semesters with a minimum of 32 credits required.

Program Requirements

Course No.	Title	Credits
A TEC-117	Occupational Relations and Job Search	1 2
CAOT-162	Introduction to Computer Applications	2
ENGL-099 or ENGL-101	Fundamentals for Writing English Composition	3 (3)

Choose one course from the following: 3-4

MATH-021	Technical Math for Auto/Diesel/Outdoor Power/Recreational Vehicle (or higher)	
MATH-022	Technical Math for Machining and Computer Aided Design Technology (or higher)	
MATH-023	Technical Math for Maintenance Mechanic/Millwright/HVAC/Welding	

Choose one course from the following: 1

CAOT-164	Computer Fundamentals for Technical Programs	
CAOT-166	Living Online for Technical Programs	

Choose one course from the following: 3

COMM-101	Introduction to Speech Communication	
COMM-233	Interpersonal Communication	

Safety

Choose a minimum of two credits from the following: 2

AUTO-105	Orientation, Safety, General Shop Practices	
CARP-142	Safe and Savvy Tool Use	
DSL T-105	Orientation, Safety, General Shop Practices	
OPRV-105	Orientation, Safety, General Shop Practices	
WELD-111	Safety Applications and Practice	

Electrical

Choose a minimum of four credits from the following: 4

AUTO-141	Electrical System Fundamentals	
DSL T-122	Electrical Systems	
HVAC-165	HVAC/R Electrical	

Design

Choose a minimum of five credits from the following: 5

CADT-102A	Technical Sketching - Architectural Applications	
CADT-201	Architectural Print Reading and Estimating	

CARP-141	Introduction to Residential Carpentry	
MACH-171	Blueprint Reading I	
MM-155	Blueprint Reading	
WELD-120	Blueprint Reading	
WELD-131	Advanced Blueprint Reading	
WELD-214	Mechanical Drawing	
WELD-224	Advanced Mechanical Drawing	

Manufacturing

Choose a minimum of three credits from the following: 3

CADT-261	Statics and Strengths of Materials	
MACH-151	Machining Technology Theory I	
MACH-160	Manufacturing Processes	
MACH-185	Statistical Process Control and Mechanical Measurements	
WELD-100A	Welding Theory	

Mechanical

Choose a minimum of four credits from the following: 4

ACRR-151	Collision Repair Technology Theory I	
AUTO-123	Brakes/Powertrain	
AUTO-126	Steering, Suspension, and Alignment	
AUTO-130	Gas Engine Fundamentals	
CADT-259	Power Transmission	
DSL T-120	Diesel Engines	
DSL T-130	Powertrain	
DSL T-132	Brake Systems	
DSL T-232	Hydraulic Systems	
HVAC-161	HVAC/R Principles	
MM-151	Maintenance Mechanic Theory I	
OPRV-110	2- and 4-Cycle Gas Engines	

Total Credits (minimum) 32

Notes:

¹ Students may substitute another course with written permission of instructor and division chair.

Interdisciplinary Studies

Associate of Arts Degree

Transfer Program

NIC's interdisciplinary associate 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 may choose two main disciplines of study from two different departments. In interdisciplinary classes and other courses taught by faculty participating in the program, students are encouraged to recognize connections among disciplines and reflect on integrated community themes, such as sustainability, economic development, the arts, learning and leadership, and health and wellness. 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 either an associate of arts degree or associate of science 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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ²	3
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity ¹	0
English Composition	6
Laboratory Science ²	4
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	9

Program Requirements

ANTH-102	Introduction to Social and Cultural Anthropology	3
ENSI-119	Introduction to Environmental Science	4
HUMS-101	Montage: Introduction to Humanities	3
INTR-200	Interdisciplinary Seminar	3
SOC-103	Cultural Diversity	3

Elective Requirements

Minimum General Electives in first major subject	6
Minimum General Electives in second major subject	3
Courses 100-level or higher	<u>1-3</u>

Total Credits (minimum) 64

Notes:

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

Interdisciplinary Studies

Associate of Science Degree

Transfer Program

NIC's interdisciplinary associate 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 may choose two main disciplines of study from two different departments. In interdisciplinary classes and other courses taught by faculty participating in the program, students are encouraged to recognize connections among disciplines and reflect on integrated community themes, such as sustainability, economic development, the arts, learning and leadership, and health and wellness. 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 either an associate of arts degree or associate of science 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ²	3
Communication	3
English Composition	6
Laboratory Science ²	4
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	0
Social Science and Arts and Humanities	3

Program Requirements

ANTH-102	Introduction to Social and Cultural Anthropology	3
ENSI-119	Introduction to Environmental Science	4
HUMS-101	Montage: Introduction to Humanities	3
INTR-200	Interdisciplinary Seminar	3
SOC-103	Cultural Diversity	3

Elective Requirements

Minimum General Electives in first major subject	6
Minimum General Electives in second major subject	3
Courses 100-level or higher	13-15
Total Credits (minimum) 64	

Notes:

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

Journalism

Associate of Arts Degree

Transfer Program

This program prepares students for careers in journalism or communication. The focus is on knowledge and skills essential in those areas. Theoretical training and laboratory workshop methods are combined with special practical experience on the national award winning NIC newspaper, The Sentinel, and its website, www.nicsentinel.com.

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 Journalism. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ¹	6

Program Requirements

COMJ-100	Sentinel Staff	1-2
COMJ-121	News Writing	3
COMJ-140	Mass Media in a Free Society	3
COMJ-222	Reporting	3
COMJ-255	Editing	3
COMM-111	Interview Techniques	2
POLS-101	American National Government	3
PSYC-101	Introduction to Psychology	3

Elective Requirements

Courses 100-level or higher	<u>0-1</u>
Total Credits (minimum) 64	

Notes:

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

Journalism

Associate of Science Degree

Transfer Program

This program prepares students for careers in journalism or communication. The focus is on knowledge and skills essential in those areas. Theoretical training and laboratory workshop methods are combined with special practical experience on the national award winning NIC newspaper, The Sentinel, and its website, www.nicsentinel.com.

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 Journalism. Course selection should be tailored to match requirements defined by intended transfer institutions.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	0
Social Science and Arts and Humanities ²	3

Program Requirements

COMJ-100	Sentinel Staff	1-2
COMJ-121	News Writing	3
COMJ-140	Mass Media in a Free Society	3
COMJ-222	Reporting	3
COMJ-255	Editing	3
COMM-111	Interview Techniques	2
PHIL-103	Ethics	3
PHIL-201	Logic and Critical Thinking	3
PHTO-183	Introduction to Digital Photography	3
PHTO-289	Photojournalism	3
POLS-101	American National Government	3
PSYC-101	Introduction to Psychology	3

Elective Requirements

Courses 100-level or higher	1-4
Total Credits (minimum) 64	

Notes:

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

Law Enforcement

Technical Certificate

Professional-Technical Program

This program is designed to train newly-hired law enforcement agency officers, as well as to prepare students who wish to be employed in law enforcement. Students may elect to complete the post-secondary certificate, the technical certificate, or the associate of applied science degree requirements. This program includes the 13-week Peace Officer Standards and Training (P.O.S.T.) Approved Basic Patrol Academy. 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 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 P.T. uniforms while in class.

Admission Procedures

1. Applications for the program may be picked up from the Law Enforcement Program Director at the academy in Post Falls. Contact the director for more detailed information on start dates for each 13-week Basic Patrol Academy and for admission deadlines.
2. Applicants must complete an Idaho P.O.S.T. application packet.

Admission Requirements

1. Must be a citizen of the United States and attained the 20th birthday by the end of the academy.
2. High school diploma, GED, or have completed 15 academic college credits.
3. Two or more years of responsible work experience following high school graduation.
4. Fingerprint clearance by the Idaho State Police and the FBI. A conviction or withheld judgment for any local, state, or federal crime may be grounds for rejection.
5. Valid driver's license from the state of residence with no record of habitual violations (five or more) during the three years immediately preceding application to the Academy. No record of suspension, DUI conviction, or withheld judgment during the two years immediately preceding application to the Academy.
6. Medical examinations completed by a licensed medical physician and the medical forms filled out within the last 12 months.
7. Meet or exceed the P.O.S.T. vision and hearing standards as listed on the medical forms.

8. Pass the P.O.S.T. Physical Fitness Test taken no more than three months prior to the Academy.
9. Successfully complete a psychological evaluation conducted by a licensed psychiatrist or clinical psychologist.
10. Pass a Police Officer Selection written examination.

Certified Law Enforcement Professionals

Students who successfully complete the Basic Patrol Academy will be given credit for LAWE 250-258.

Program Requirements

Course No.	Title	Credits
First Semester		
ENGL-099	Fundamentals for Writing (or higher)	3
MATH-025	Elementary Algebra (or higher)	3-4
PE-288	First Aid	3
PHIL-103	Ethics	3
or PSYC-101	Introduction to Psychology	(3)
Prerequisite or Corequisite Total 12-13		
Second Semester		
LAWE-250	Self Defense/Law Enforcement	3
LAWE-251	Basic Police Law	6
LAWE-252	Professional Orientation for Peace Officers	2
LAWE-253	Police Procedures	8
LAWE-254	Patrol Procedures	3
LAWE-255	Field Skills for Patrol Officers	2
LAWE-256	Investigation	8
LAWE-257	Enforcement Skills	2
LAWE-258	Police Physical Fitness	1
Semester Total		35
Program Total		47-48

Law Enforcement

Associate of Applied Science Degree

Professional-Technical Program

In addition to the specific Law Enforcement courses, students must take a minimum of 15 credits of A.A.S. general education courses as specified in the program below.

This program is designed to train newly-hired law enforcement agency officers, as well as to prepare students who wish to be employed in law enforcement. Students may elect to complete the post-secondary certificate, the technical certificate, or the associate of applied science degree requirements. This program includes the 13-week Peace Officer Standards and Training (P.O.S.T.) Approved Basic Patrol Academy. 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 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 P.T. uniforms while in class.

Admission Procedures

1. Applications for the program may be picked up from the Law Enforcement Program Director at the academy in Post Falls. Contact the director for more detailed information on start dates for each 13-week Basic Patrol Academy and for admission deadlines.
2. Applicants must complete an Idaho P.O.S.T. application packet.

Admission Requirements

1. Must be a citizen of the United States and attained the 20th birthday by the end of the academy.
2. High school diploma, GED, or have completed 15 academic college credits.
3. Two or more years of responsible work experience following high school graduation.
4. Fingerprint clearance by the Idaho State Police and the FBI. A conviction or withheld judgment for any local, state, or federal crime may be grounds for rejection.
5. Valid driver's license from the state of residence with no record of habitual violations (five or more) during the three years immediately preceding application to the Academy. No record of suspension, DUI conviction, or withheld judgment during the two years immediately preceding application to the Academy.
6. Medical examinations completed by a licensed medical physician and the medical forms filled out within the last 12 months.
7. Meet or exceed the P.O.S.T. vision and hearing standards as

listed on the medical forms.

8. Pass the P.O.S.T. Physical Fitness Test taken no more than three months prior to the Academy.
9. Successfully complete a psychological evaluation conducted by a licensed psychiatrist or clinical psychologist.
10. Pass a Police Officer Selection written examination.

Certified Law Enforcement Professionals

Students who successfully complete the Basic Patrol Academy will be given credit for LAWE 250-258.

Program Requirements

Course No.	Title	Credits
First Semester		
ENGL-101	English Composition ¹	3
LAWE-103	Introduction to Criminal Justice	3
POLS-101	American National Government ¹	3
PSYC-101	Introduction to Psychology ¹	3
		Semester Total 12
Second Semester		
COMM-101	Introduction to Speech Communication ¹	3
ENGL-202	Technical Writing	3
PE-288	First Aid	3
POLS-275	State and Local Government ¹	3
		Semester Total 12
Third Semester		
PHIL-103	Ethics	3
PSYC-205	Developmental Psychology	3
or PSYC-211	Abnormal Psychology	(3)
or PSYC-223	Stress Management	(3)
SOC-155	Drug Abuse: Fact, Fiction and the Future	3
or SOC-220	Marriage and Family	(3)
or SOC-251	Race and Ethnic Relations	(3)
or SOC-283	Death and Dying	(3)
_____	A.A.S. Math Requirement ²	3-4
		Semester Total 12-13
Fourth Semester		
LAWE-250	Self Defense/Law Enforcement	3
LAWE-251	Basic Police Law	6
LAWE-252	Professional Orientation for Peace Officers	2
LAWE-253	Police Procedures	8
LAWE-254	Patrol Procedures	3
LAWE-255	Field Skills for Patrol Officers	2
LAWE-256	Investigation	8
LAWE-257	Enforcement Skills	2
LAWE-258	Police Physical Fitness	1
		Semester Total 35
		Program Total 71-72

Notes:

- ¹ Satisfies the A.A.S. degree general education requirements listed on page 54.
- ² Mathematics requirement includes any math course that is MATH 123 or higher and meets the A.A.S. degree requirements listed on page 54.

Legal Administrative Assistant

Technical Certificate

Professional-Technical Program

The Legal Administrative Assistant program is a rich mix of specific coursework in the legal area combining a blend of academic schooling and technical expertise. A legal administrative assistant is a skilled professional who performs all general office work in addition to specialized legal assignments. Employment opportunities include working in public defender's offices, prosecuting attorney's offices, private law firms, government agencies, and legal departments of large manufacturing, banking, insurance, or real estate firms. This specialized assistant uses transcribing machines, creates and modifies legal instruments and documents utilizing computer technology, and adheres to court procedures such as calendaring, scheduling, and docketing. In addition, the legal administrative assistant files legal documents, maintains clients' fees, and performs law office public relations.

Program Requirements

Course No.	Title	Credits
First Semester		
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-140	Database/Access 1	1
PLEG-106	Intro to Paralegal Profession and Ethics	3
PLEG-115	Legal Terminology	1
		Semester Total 14
Second Semester		
CAOT-150	PowerPoint	1
CAOT-183	Business Editing and Proofreading	3
CAOT-184	Records System Management	3
CAOT-211	Machine Transcription 1	1
CAOT-212	Machine Transcription 2	1
CAOT-250	Capstone	1
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
		Semester Total 13
		Program Total 27

Machining and CNC Technology

Technical Certificate

Professional–Technical Program

The Machining and CNC Technology 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 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 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
MACH-151	Machining Technology Theory I	4
MACH-151L	Machining Technology Lab I	6
MACH-171	Blueprint Reading I	2
MATH-022	Technical Math for Machining/Computer Aided Design Technologies	<u>3-4</u>
		Semester Total 15-16

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
ENGL-099	Fundamentals for Writing	3
	or ENGL-101 English Composition	(3)
MACH-152L	Machining Technology Lab II	5
MACH-160	Manufacturing Processes	4
MACH-172	Blueprint Reading II	2
MACH-185	Statistical Process Control and Mechanical Measurement	<u>1</u>
		Semester Total 17
		Program Total 32-33

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Machining and CNC Technology

Advanced Technical Certificate

Professional-Technical Program

The Machining and CNC Technology 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 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 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
MACH-151	Machining Technology Theory I	4
MACH-151L	Machining Technology Lab I	6
MACH-171	Blueprint Reading I	2
MATH-022	Technical Math for Machining/Computer Aided Design Technologies	3-4
		Semester Total 15-16

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
ENGL-099	Fundamentals for Writing	3
	or ENGL-101 English Composition	(3)
MACH-152L	Machining Technology Lab II	5
MACH-160	Manufacturing Processes	4
MACH-172	Blueprint Reading II	2
MACH-185	Statistical Process Control and Mechanical Measurement	1
		Semester Total 17

Third Semester

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
		Semester Total 16

Fourth Semester

MACH-254L	Advanced Machining Lab II	5
MACH-274	Geometric Dimensioning and Tolerancing	3
MACH-284	Advanced Machining Processes and Techniques	5
		Semester Total 13
		Program Total 61-62

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Machining and CNC Technology

Associate of Applied Science Degree

Professional-Technical Program

The Machining and CNC Technology 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 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 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 (see page 45).

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

Program Requirements

In addition to the specific Machine 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.)

First Semester

Course No.	Title	Credits
MACH-151	Machining Technology Theory I	4
MACH-151L	Machining Technology Lab I	6
MACH-171	Blueprint Reading I	2
_____	A.A.S. Social Science/Human Relations/Interpersonal Communications Requirement ¹	3
_____	A.A.S. Math Requirement ²	<u>3-4</u>
		(MATH-143 recommended)

Semester Total 18-19

Second Semester

ENGL-101	English Composition ³	3
MACH-152L	Machining Technology Lab II	5
MACH-160	Manufacturing Processes	4
MACH-172	Blueprint Reading II	2
MACH-185	Statistical Process Control and Mechanical Measurements	<u>1</u>

Semester Total 15

Third Semester

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
_____	A.A.S. General Education Requirement ¹	<u>3</u>

Semester Total 19

Fourth Semester

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. English Composition Requirement ¹	<u>3</u>

Semester Total 16

Program Total 68-69

Notes:

- ¹ Select from A.A.S. degree general education requirements listed on page 54.
- ² Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ³ Satisfies A.A.S. degree general education requirement.

Maintenance Mechanic/Millwright

Technical Certificate

Professional-Technical Program

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 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 (see page 45).

Program Requirements

First Semester

Course No.	Title	Credits
MM-151	Maintenance Mechanic Theory I	10
MM-151L	Maintenance Mechanic Lab I	5
MM-155	Blueprint Reading	2
MATH-023	Technical Math for Maintenance Mechanic/Millwright/HVAC/Welding	3-4
		Semester Total 20-21

Second Semester

A TEC-117	Occupational Relations and Job Search ¹	2
ENGL-099	Fundamentals for Writing	3
	or ENGL-101 English Composition	(3)
MM-152	Maintenance Mechanic Theory II	7
MM-152L	Maintenance Mechanic Lab II	5
MM-156	Hydraulics	3
		Semester Total 20

Summer Session

MM-153	Maintenance Mechanic Theory III	2
MM-153L	Maintenance Mechanic Lab III	4
		Session Total 6
		Program Total 46-47

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Mathematics

Associate of Arts Degree

Transfer Program

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's degree requirements in Math. Course selections should be tailored to match requirements of the intended transfer institution.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science ¹	0
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Program Requirements

Course No.	Title	Credits
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	Introduction to Ordinary Differential Equations	3
PHYS-211	Engineering Physics I	5
PHYS-212	Engineering Physics II	5

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 71	

Recommended Courses

CHEM-111	Principles of Chemistry I	5
CHEM-112	Principles of Chemistry II	5

Notes:

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

Mathematics

Associate of Science Degree

Transfer Program

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 of the intended transfer institution.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
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	Introduction to Ordinary Differential Equations	3
PHYS-211	Engineering Physics I	5
PHYS-212	Engineering Physics II	5

Elective Requirements

Courses 100-level or higher	<u>2</u>
Total Credits (minimum) 64	

Recommended Courses

CHEM-111	Principles of Chemistry I	5
CHEM-112	Principles of Chemistry II	5

Notes:

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

Medical Administrative Assistant

Associate of Applied Science Degree

Professional–Technical Program

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.

Students will be provided opportunities 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 Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-120	Word Processing/Word 1	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-166	Living Online for Tech Programs	1
CAOT-179	Medical Terminology	2
CAOT-183	Business Editing and Proofreading	3
ENGL-101	English Composition ²	3
_____	A.A.S. Social Science/Human Relations/ Interpersonal Communications Requirement ¹	<u>3</u>
		Semester Total 16

Second Semester

BIOL-175	Human Biology ²	4
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-140	Database/Access 1	1
CAOT-150	PowerPoint	1
CAOT-168	Integrated Medical Office Software	3
CAOT-211	Machine Transcription and Document Formatting 1	1
CAOT-212	Machine Transcription and Document Formatting 2	1
COMM-101	Introduction to Speech Communication ²	<u>3</u>
		Semester Total 16

Third Semester

ACCT-110	Small Business Accounting	3
_____ or ACCT-201	Principles of Accounting	(3)
CAOT-115	Outlook	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-160	Desktop Publishing/Publisher 1	1
CAOT-180	Legal Issues in Health Care	1
CAOT-184	Records Systems Management	3
CAOT-216	Medical Transcription 1	1
CAOT-217	Medical Transcription 2	<u>1</u>
		Semester Total 14

Fourth Semester

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
_____	A.A.S. Math Requirement ³	<u>3-4</u>
		Semester Total 16-17
		Program Total 62-63

Notes:

- ¹ Select from A.A.S. degree general education requirements listed on page 54.
- ² Satisfies A.A.S. degree general education requirement.
- ³ Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.

Medical Assistant

Technical Certificate

Professional-Technical Program

The Medical Assistant program prepares students to work as entry-level health care providers in settings such as physician's offices, health care clinics, and hospitals. The role of the medical assistant is to assist the physician and other professionals in managing the care of clients. Medical assistants are responsible for performing duties in the areas of office management, patient care, and collecting and processing laboratory specimens. Medical assistants work under the direct supervision of a physician or other designated professional.

Successful completion of the Medical Assistant Technical Certificate program will result in eligibility to take the national certification exam for medical assisting.

Students interested in the program are encouraged to contact the Health Professions Office at (208) 676-7132.

Admission Requirements

1. Demonstrate an ability to key 35 net words per minute.
2. Complete the following prerequisite courses:
 - a. ALTH 106 (Working In Health Care)
 - b. BIOL 175 (Human Biology)
 - c. MATH 102 (Computational Skills for Allied Health)
3. Minimum grade of C or 2.00 must be earned in each of the courses required for the program.

Program Requirements

First Semester

Course No.	Title	Credit Hrs
CAOT-179	Medical Terminology	2
CAOT-186	Medical Coding	3
MAST-100	Phlebotomy	2
MAST-101	Clinical Skills for Medical Assistants I	3
MAST-111	Administrative Skills for Medical Assistant I	3
PHAR-151	Introduction to Pharmacology	2
		Semester Total 15

Second Semester

ALTH-107	Communication Skills	1
CAOT-168	Integrated Medical Office Software	3
MAST-201	Clinical Skills for Medical Assistant II	3
MAST-205	Administration of Medications	3
MAST-211	Administrative Skills for Medical Assistant II	3
PSYC-101	Introduction to Psychology	3
or SOC-101	Introduction to Sociology	(3)
		Semester Total 16

Third Semester

ENGL-101	English Composition	3
MAST-216	Medical Assistant Externship	5
		Semester Total 8
		Program Total 39
		Program Total including prerequisites 48

Medical Assistant

Associate of Applied Science Degree

Professional-Technical Program

The Medical Assistant program prepares students to work as entry-level health care providers in settings such as physician's offices, health care clinics, and hospitals. The role of the medical assistant is to assist the physician and other professionals in managing the care of clients. Medical assistants are responsible for performing duties in the areas of office management, patient care, and collecting and processing laboratory specimens. Medical assistants work under the direct supervision of a physician or other designated professional.

Successful completion of the Medical Assistant Technical Certificate program will result in eligibility to take the national certification exam for medical assisting.

Students interested in the program are encouraged to contact the Health Professions Office at (208) 676-7132.

Admission Requirements

1. Demonstrate an ability to key 35 net words per minute.
2. Complete the following prerequisite courses:
 - a. ALTH 106 (Working In Health Care)
 - b. BIOL 175 (Human Biology)
 - c. MATH 102 (Computational Skills for Allied Health) or MATH 123 (Contemporary Mathematics) or higher
3. Minimum grade of C or 2.00 must be earned in each of the courses required for the program.

Program Requirements

First Semester

Course No.	Title	Credit Hrs
ALTH-106	Working In Health Care	2
BIOL-175	Human Biology	4
CAOT-112	Keyboarding 1	1
CAOT-179	Medical Terminology	2
PSYC-101	Introduction to Psychology	3
or SOC-101	Introduction to Sociology	(3)

Semester Total 12

Second Semester

CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-168	Integrated Medical Office Software	3
COMM-101	Introduction to Speech Communication	3
ENGL-101	English Composition	3
_____	A.A.S. Math Requirement ¹	3-4

Semester Total 15-16

Third Semester

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-151	Introduction to Pharmacology	2

Semester Total 14

Fourth Semester

ATEC-110	Successful Job Search	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

Semester Total 13

Fifth Semester

MAST-216	Medical Assistant Externship	5
MAST-230	CMA Exam Review	3

Semester Total 8
Program Total 62-63

Notes:

- ¹ Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.

Medical Billing Specialist

Associate of Applied Science Degree

Professional–Technical Program

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 Medical Billing Specialist associate of applied science degree 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 Requirements

First Semester

Course No.	Title	Credit Hrs
ACCT-110	Small Business Accounting	3
ACCT-150	10-Key Skill Building	1
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-179	Medical Terminology	2
ENGL-101	English Composition ²	3
Semester Total		15

Second Semester

ACCT-111	Small Business Accounting II	3
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-140	Database/Access 1	1
CAOT-168	Integrated Medical Office Software	3
CAOT-186	Medical Coding	3
CAOT-210	Office Procedures	3
Semester Total		16

Third Semester

ACCT-244	Credit and Collections	3
BIOL-175	Human Biology ²	4
CAOT-180	Legal Issues in Health Care	1
CAOT-184	Records Systems Management	3
CAOT-225	Medical Billing Specialist Internship 1	4
Semester Total		15

Fourth Semester

CAOT-226	Medical Billing Specialist Internship 2	4
CAOT-250	Office Skills Capstone	1
COMM-101	Introduction to Speech Communication	3
ENGL-272	Business Writing	3
_____	A.A.S. Math Requirement ³	3-4
_____	A.A.S. Social Science/Human Relations/ Interpersonal Communications Requirement ¹	3
Semester Total		17-18
Program Total		63-64

Notes:

- ¹ Select from A.A.S. degree general education requirements listed on page 54.
- ² Satisfies A.A.S. degree general education requirement.
- ³ Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.

Medical Office Transcriptionist/Pre-Health Information Technology

Technical Certificate

Professional-Technical Program

Graduates of the Medical Office Transcriptionist/Pre-Health Information Technician certificate program may begin employment as a medical office transcriptionist or may 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.

Health Information Technology through Idaho State University

Idaho State University offers the following 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 32 credits listed below to receive an A.A.S. degree in Health Information Technology from ISU.

Course No.	Title	Credits
HIT-201	Supervised Professional Practice I	2
HIT-202	Health Information I	4
HIT-203	Health Care Statistics and QI	3
HIT-204	Health Information II	4
HIT-207	Supervised Professional Practice II	3
HIT-208	ICD-9 CM Coding	3
HIT-209	CPT-4 Coding	3
HIT-213	Advanced Coding	3
HO-111	Anatomy and Physiology	4
HO-208	Introduction to Pathobiology	3

ISU Total 32

A.A.S. Degree Program Total 73

Program Requirements

Pre-Sequence

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
		Total 2

First Semester

BIOL-100	Fundamentals of Biology	4
or BIOL-175	Human Biology	(4)
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-179	Medical Terminology	2
CAOT-183	Business Editing and Proofreading	3
CAOT-211	Machine Transcription and Document Formatting 1	1
CAOT-212	Machine Transcription and Document Formatting 2	1
		Semester Total 15

Second Semester

ALTH-106	Working in Health Care	2
CAOT-216	Medical Transcription 1	1
CAOT-217	Medical Transcription 2	1
ENGL-101	English Composition	3
MATH-123	Contemporary Mathematics	3
		Semester Total 10

Third Semester

CAOT-180	Legal Issues in Health Care	1
CAOT-218	Medical Transcription 3	1
CAOT-219	Medical Transcription 4	1
CAOT-227	Medical Transcriptionist Internship 1	3
or ENGL-102	English Composition (if transferring to ISU)	(3)
PHAR-151	Introduction to Pharmacology	2
PHIL-103	Ethics	3
PSYC-101	Introduction to Psychology	3
		Semester Total 14
		Program Total 41

Medical Receptionist

Technical Certificate

Professional–Technical Program

Medical receptionists hold key positions in a 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 medical facilities. Characteristics for career success include an interest in medicine; a desire to work with physicians and health care professionals; the ability to multi-task and prioritize work; a positive, caring personality; high energy; and a desire to help people.

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-120	Word Processing/Word 1	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-179	Medical Terminology	2
CAOT-183	Business Editing and Proofreading	3
COMM-101	Introduction to Speech Communication	3
or COMM-233	Interpersonal Communication	(3)
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition ¹	(3)
Semester Total		15

Second Semester

CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-140	Database/Access 1	1
CAOT-168	Integrated Medical Office Software	3
CAOT-210	Office Procedures	3
CAOT-211	Machine Transcription/Document Formatting 1	1
CAOT-212	Machine Transcription/Document Formatting 2	1
MATH-025	Elementary Algebra (or higher)	3-4
Semester Total		14-15

Third Semester

CAOT-130	Spreadsheets/Excel 1	1
CAOT-180	Legal Issues in Health Care	1
CAOT-184	Records Systems Management	3
CAOT-191	Medical Receptionist Internship 1	3
CAOT-216	Medical Transcription 1	1
CAOT-217	Medical Transcription 2	1
CAOT-250	Office Skills Capstone	1
PE-288	First Aid	3
Semester Total		14
Program Total		43-44

Notes:

- ¹ Students intending to obtain an A.A.S. degree or a four-year degree should complete ENGL-101 and COMM-101.

Medical Transcriptionist

Associate of Applied Science Degree

Professional–Technical Program

Medical Transcriptionists key physician-dictated reports describing a patient’s medical care and condition. These reports include office chart notes, history and physical examinations, consultations, operative reports, discharge summaries, laboratory/pathology reports, and diagnostic studies. Medical transcriptionists may work in either general or specialized fields of medicine. Medical clinics, hospitals, doctors’ offices, private transcription agencies, and home offices offer various employment settings. The variety of each day’s work presents unique challenges and opportunities for continuing medical knowledge.

The professional transcriptionist enjoys learning about the medical field; possesses mastery skills in medical terminology, spelling, grammar, punctuation, and keyboarding; works independently; and strives for quality and excellence. Graduates of this program will be prepared to sit for the national Registered Medical Transcriptionist (RMT) exam. With a variety of career experiences, a professional transcriptionist may pursue a Certified Medical Transcriptionist (CMT) credential by passing the national certification examination administered by the Association for Healthcare Documentation Integrity (AHDI). The medical transcriptionist pursues a lifelong program of continuing education.

Program Requirements

Pre-Sequence

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
		Total 2

First Semester

Course No.	Title	Credits
ALTH-110	Over the Counter and Herbal Medications	2
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-179	Medical Terminology	2
CAOT-183	Business Editing and Proofreading	3
CAOT-211	Machine Transcription and Document Formatting 1	1
CAOT-212	Machine Transcription and Document Formatting 2	1
PHAR-151	Introduction to Pharmacology	2
		Semester Total 15

Second Semester

CAOT-140	Database/Access 1	1
CAOT-184	Records Systems Management	3
CAOT-210	Office Procedures	3
CAOT-216	Medical Transcription 1	1
CAOT-217	Medical Transcription 2	1
ENGL-101	English Composition ¹	3
PHAR-152	Advanced Pharmacology	3
		Semester Total 15

Third Semester

BIOL-175	Human Biology ¹	4
CAOT-180	Legal Issues in Health Care	1
CAOT-218	Medical Transcription 3	1
CAOT-219	Medical Transcription 4	1
CAOT-227	Medical Transcriptionist Internship 1	3
ENGL-272	Business Writing	3
		Semester Total 13

Fourth Semester

CAOT-168	Integrated Medical Office Software	3
CAOT-228	Medical Transcriptionist Internship 2	3
CAOT-250	Office Skills Capstone	1
COMM-101	Introduction to Speech Communication ¹	3
_____	A.A.S. Math Requirement ²	3-4
_____	A.A.S. Social Science/Human Relations/Interpersonal Communications Requirement ³	3
		Semester Total 16-17
		Program Total 61-62

Notes:

- ¹ Satisfies A.A.S. degree general education requirement.
- ² Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ³ Select from A.A.S. degree general education requirements listed on page 54.

Modern Languages

Associate of Arts Degree

Transfer Program

The study of world cultures is an integral part of a well-rounded education. Learning a modern 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 modern languages is 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 modern language are urged to complete an associate of arts degree. 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 modern language. Course selection should be tailored to match requirements defined by your intended transfer institution.

It is strongly suggested that students majoring in modern language take courses in at least two modern languages since many universities require such before issuing a bachelor of arts in modern languages.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity ¹	0
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Program Requirements

FLAN-207	Contemporary World Cultures	3
	Modern Language (select one; 101, 102, 201, and 202)	16

Choose one course from the following:

COMM-220	Intercultural Communication	3
SOC-103	Cultural Diversity	3

Elective Requirements

Courses 100-level or higher	0
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Total Credits (minimum) 68

Notes:

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

Music

Associate of Arts Degree

Transfer Program

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.

Recommended First-Semester Class Schedule

MUSC-117	Music Convocation (each semester)	0
MUSA-124	Individual Instruction	2
MUSC-141	Harmony and Theory I	3
MUSC-141L	Harmony and Theory I Laboratory	1
MUSA-145	Piano Class I	1
MUSX-215	Introduction to Digital Recording and Notation	1
ENGL-099	Fundamentals for Writing (or higher)	3
_____	Mathematics Elective ¹	3-4
_____	Musical Ensemble	1
	Semester Total 15-16	

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ²	3
Communication	3
Computer Science	2-3
Critical Thinking	3
Cultural Diversity ¹	0
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Program Requirements

Course No.	Title	Credits
MUSC-117	Music Convocation (each semester)	0
MUSA-124	Individual Instruction	8
MUSH-140	Introduction to Music Literature	3
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 and Theory II Laboratory	1
MUSA-145	Piano Class I	1
MUSA-146	Piano Class II	1
MUSH-163	Survey of World Music	3
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 and Theory IV Laboratory	1
MUSA-245	Piano Class III	1
MUSA-246	Piano Class IV	1

Complete one musical ensemble course each semester from the following: 4-6

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-111O	Cardinal Chamber Orchestra
MUSP-113	North Idaho Jazz Ensemble

Elective Requirements

Courses 100-level or higher	0
	Total Credits (minimum) 80

Notes:

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

Music

Associate of Science Degree

Transfer Program

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.

Recommended First-Semester Class Schedule

MUSC-117	Music Convocation (each semester)	0
MUSA-124	Individual Instruction	2
MUSC-141	Harmony and Theory I	3
MUSC-141L	Harmony and Theory I Laboratory	1
MUSA-145	Piano Class I	1
MUSX-215	Introduction to Digital Recording and Notation	1
ENGL-099	Fundamentals for Writing (or higher)	3
_____	Mathematics Elective ¹	3-4
_____	Musical Ensemble	1
Semester Total 15-16		

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ²	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
MUSC-117	Music Convocation (each semester)	0
MUSA-124	Individual Instruction	8
MUSH-140	Introduction to Music Literature	3
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 and Theory II Laboratory	1
MUSA-145	Piano Class I	1
MUSA-146	Piano Class II	1
MUSH-163	Survey of World Music	3
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 and Theory IV Laboratory	1
MUSA-245	Piano Class III	1
MUSA-246	Piano Class IV	1

Complete one musical ensemble course each semester from the following: 4-6

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-111O	Cardinal Chamber Orchestra
MUSP-113	North Idaho Jazz Ensemble

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 69	

Notes:

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

Nursing: Practical Nursing (P.N.)

Technical Certificate

Professional-Technical Program

This 11-month program prepares students for entry-level employment as practical nurses in hospitals, home health care, convalescent homes, and related health service professions. A technical certificate is awarded upon successful completion of the program. Students who wish to continue to the R.N. level should consult with their advisor for those program requirements.

This program has a selective admission process. Applications are due by Jan. 25, 2013. See below for details regarding specific requirements.

Graduates are eligible to take the National Council Licensure Examination (NCLEX-PN). Students who pass the exam are qualified to practice as licensed practical nurses in Idaho and may apply for licensure in other states by endorsement.

The curriculum includes basic and clinical foundations of nursing, medical and surgical nursing, maternal and infant care, nursing of children, psychiatric nursing, pharmacology, and geriatrics. The program is offered in cooperation with Kootenai Health, local extended care facilities, physician offices, and the Idaho Division of Professional-Technical Education.

Admission Procedures

Application Deadline: Jan. 25, 2013 for acceptance into fall 2013. In addition to the regular college admissions requirements, students applying for the Practical Nursing program need to complete a Nursing 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. NIC admission application fee (if not previously paid).
3. Practical Nursing program application.
4. Results from the entrance exam (see application packet for information on scheduling the exam).
5. High school and college transcripts.
6. Applicants who have attended any other nursing program must submit a recommendation from an instructor or administrator of that program.

Currently enrolled students should already have an application fee and transcripts on file. Application packets for the Practical Nursing program will be available at the NIC Admissions Office and on the NIC Practical Nursing website two months prior to the application deadline.

Program Requirements

First Semester

Course No.	Title	Credits
BIOL-175	Human Biology	4
PN-106	Practical Nursing Theory I	6
PN-106L	Practical Nursing Laboratory I	6
		Semester Total 16

Second Semester

ATEC-110	Successful Job Search	1
PN-107	Practical Nursing Theory II	8
PN-107L	Practical Nursing Laboratory II	6
		Semester Total 15

Third Semester

PN-108	Practical Nursing Theory III	3
PN-108L	Practical Nursing Laboratory III	5
		Semester Total 8

Total Credits (minimum) including prerequisites 48

Admission Requirements

1. High school diploma or GED.
2. A minimum cumulative grade point average of 2.50 calculated on all courses which meet the curriculum requirements for the Practical Nursing certificate.
3. Prerequisite Courses: The following courses must be successfully completed by June 30 of the year application for admission is made:
 - a. CHEM-105 (General, Organic and Biochemistry), or one year of high school chemistry with lab, with a grade of C/2.0 or higher each grading period.
 - b. MATH-102 (Computational Skills for Allied Health). No substitutions are accepted.
 - c. PSYC-101 (Introduction to Psychology)
 - d. ENGL-099 (Fundamentals for Writing) or ENGL-101 (English Composition), or NIC assessment scores, taken within two years prior to application for admission to the program, indicating placement above ENGL-099.
 - e. CAOT-179 (Medical Terminology) or its approved equivalent with a grade of C/2.00 or better.
4. Applicants must have a valid Certified Nursing Assistant (CNA) certificate from any state and submit it by the application deadline (Jan. 25, 2013). The only acceptable documentation will be a copy of the state issued certificate.
5. Minimum grades of C/2.00 must be earned in each of the courses required for the program.
6. The NIC Admissions Office will determine if previous college courses will be acceptable for transfer.
7. A criminal background check will be required upon acceptance into the practical 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.

Nursing: Registered Nursing (R.N.)

Associate of Science Degree

Transfer Program

The faculty of the Associate Degree Nursing program upholds the mission of North Idaho College in its commitment to student success, educational excellence, community engagement, and lifelong learning.

The mission of the nursing program is to provide the opportunity for eligible individuals to acquire the education necessary for entry into the profession of nursing as a registered nurse. In collaboration with the healthcare community, the program strives to provide competent, caring registered nurses who are committed to lifelong learning. The curriculum includes general education courses in the arts and sciences and nursing courses, which provide nursing theory in the classroom and clinical experiences in health care agencies.

Upon completion of the program, graduates will have demonstrated the ability to:

1. Act in accordance with professional values, ethics, legalities, and standards.
2. Collaborate effectively with others in planning, providing, and evaluating care within the health care system.
3. Apply the nursing process in practice using scientific and nursing knowledge and critical thinking in problem-solving, decision-making, and clinical judgment.
4. Practice nursing in a safe, competent, and caring manner which meets the multidimensional health care needs of individuals, families, and communities.

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 Degree Nursing Program is approved by the Idaho Board of Nursing and is accredited by the National League for Nursing Accrediting Commission. 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 National League for Nursing Accrediting Commission, 3343 Peachtree Road N.E. Suite 850, Atlanta, GA, 30326 or www.nlnac.org

The Associate Degree Nursing program has a selective admission 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. Applicants desiring advanced placement should meet with the chair of the Nursing Advanced Placement Committee for advisement.

Admission Procedures

Application deadlines: August 17, 2012 for acceptance into spring semester 2013. Jan. 25, 2013 for acceptance into fall semester 2013.

In addition to the regular college admissions require-

ments, 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. NIC admission application fee (if not previously paid).
3. Associate Degree Nursing program application.
4. Official high school and college transcripts.
5. Results from the entrance exam (see application packet for information on scheduling the exam).
6. 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. High school diploma or GED.
2. Applicants must have a valid Certified Nursing Assistant (CNA) certificate from any state and submit it by the application deadline. The only acceptable documentation will be a copy of the state issued certificate.
3. Evidence of completion of an approved medical terminology course with a grade of C/2.0 or higher within three years prior to application to the program.
4. Prerequisite courses: The coursework must be successfully completed prior to the term for which application for admission is made. See application packet for specific deadlines:
 - a. Algebra: Demonstrate competency in algebra above the MATH-025 level. Competency can be demonstrated through ACT, SAT, or COMPASS scores from testing within two years prior to application or by completion of MATH-025 or MATH-108 or a math course from the Math list for the North Idaho College A.S. degree with a grade of C/2.0 or better.
 - b. BIOL-227 (Human Anatomy and Physiology I)
 - c. BIOL-228 (Human Anatomy and Physiology II)
 - d. ENGL-101 (English Composition)
5. A minimum cumulative grade point average of 2.50 is required. The required GPA is calculated on all courses which meet the nursing curriculum requirements for the North Idaho College associate of science degree.
6. A minimum grade of C/2.0 must be earned in each of the courses which are a part of the nursing program curriculum.
7. Lab science courses which were completed more than seven years prior to application to the program must be repeated. Applicants who completed Anatomy and Physiology more than seven years ago with the required grade(s) of C/2.0 or better may repeat it or complete an approved pathophysiology course with a grade of C/2.0 or better.

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

Nursing: Registered Nursing (R.N.) Continued

Associate of Science Degree

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 can be obtained from the NIC Admissions Office, (208) 769-3311, or from a nursing faculty advisor two months prior to the application deadline.

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 Health Professions and 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	0
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
BIOL-250	General Microbiology	4
NURS-190	Nursing Practice I	8
NURS-195	Nursing Practice II	8
NURS-290	Nursing Practice III	8
NURS-295	Nursing Practice IV	9
PSYC-101	Introduction to Psychology ²	3
SOC-101	Introduction to Sociology ²	3

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) including prerequisites 74	

Recommended Course

NURS-198	Nursing Practice Clinical Practicum	1
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Notes:

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

A grade of C or 2.00 GPA 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. Achievement of a designated score on a standardized NCLEX-RN Predictor Exam is required for graduation from the program. 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.

Office Specialist/Receptionist

Technical Certificate

Professional–Technical Program

The Office Specialist/Receptionist program provides coursework required for a technical certificate that prepares students for entry-level career positions in today's offices. Students who complete this program earn a technical certificate and will have the foundation to earn an advanced certificate or an associate of applied science degree in any of NIC's Computer Applications and Office Technology programs. 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.

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-140	Database/Access 1	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-183	Business Editing and Proofreading	3
MATH-025	Elementary Algebra (or higher)	3-4
		Semester Total 16-17

Second Semester

CAOT-150	PowerPoint	1
CAOT-160	Desktop Publishing/Publisher 1	1
CAOT-161	Desktop Publishing/Publisher 2	1
CAOT-184	Records Systems Management	3
CAOT-210	Office Procedures	3
CAOT-220	Administrative Support Internship 1	3
CAOT-250	Office Skills Capstone	1
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition ¹	(3)
		Semester Total 16
		Program Total 32-33

Notes:

- ¹ Students intending to obtain an A.A.S. degree or a four-year degree should complete ENGL-101.

Office Technology

Technical Certificate

Professional-Technical Program

The Office Technology program allows students to design an Office Technology 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.

Program Requirements

Course No.	Title	Credits
COMM-101	Intro to Speech Communication	3
or COMM-233	Interpersonal Communication	(3)
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
MATH-025	Elementary Algebra (or higher)	3-4

Choose one course from the following: 1-4

ACCT-248	Accounting Internship	
CAOT-191	Medical Receptionist Internship 1	
CAOT-220	Administrative Support Internship 1	
CAOT-222	Legal Administrative Assistant Internship 1	
CAOT-224	Medical Administrative Assistant Internship	
CAOT-225	Medical Billing Specialist Internship 1	
CAOT-227	Medical Transcriptionist Internship 1	
PLEG-290	Paralegal Internship 1	

Choose 18 credits from the following subjects: 18
(Excluding internship courses listed above and CAOT-100, 101, 102, 103, 162)

ACCT	Accounting	
BUSA	Business Administration	
CAOT	Computer Applications and Office Technology	
PLEG	Paralegal	

Total Credits (minimum) 28

Outdoor Leadership

Technical Certificate

Professional-Technical Program

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.

Program Requirements

First Semester

Course No.	Title	Credit Hrs
PE-237E	Outdoor Programming and Leadership	3
PE-237F	Outdoor Navigation	3
RRM-110	Wilderness First Responder	3
PE-234	Team Dynamics	3
	Program electives (select 2 courses totaling at least 4 credits)	4-6
		Semester Total 16-18

Second Semester

ENGL-099	Fundamentals for Writing (or higher)	3
MATH-025	Elementary Algebra (or higher)	3-4
PE-237C	Whitewater Guiding	3
or PE-237D	Mountaineering	(3)
RRM-125	Wilderness Ethics and Interpretation	3
	Program electives (select 1-2 courses totaling at least 3 credits)	3
		Semester Total 15-16
		Program Total 31-34

Technical Certificate Electives

7-9 credits are required from the following list:

PE-110/111	Individual and Team Sports (rock climbing, whitewater kayaking, rowing, etc.)	1
PE-237A	Wilderness Backpacking	3
PE-237B	Wilderness Survival	3
PE-237C	Whitewater Guiding	3
PE-237D	Mountaineering	3
PE-237DD	Mountaineering II	1
PE-237G	Avalanche Level 1	1
PE-237H	Introduction to Outdoor Cooking	3
PE-237J	Swift Water Rescue	3
RRM-130	Terrain Park Management	2
RRM-135	Introduction to Ski Instruction	1
RRM-140	Leadership Principles	3
RRM-230	Leisure and Recreation Programming	3
RRM-250	Risk Management in the Resort Industry	3

Outdoor Power/Recreational Vehicle Technology

Technical Certificate

Professional–Technical Program

This nine-month program is designed to prepare students for entry-level employment in the small engine/power equipment industry. Graduates of this program will be ready to work as outdoor power equipment, motorcycle, and recreational vehicle technicians.

This program begins with the basics of power theory and progresses through aspects of engine, drivetrain, and ancillary systems that make up modern small engine powered equipment. Students will learn theory, application, and troubleshooting of 2- and 4-stroke engines, electrical systems, fuel systems, powertrain systems, and many other related systems pertaining to these and other topics.

Successful completion of each course or permission of the instructor is required to continue into the next course. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
ATEC-117	Occupational Relations and Job Search ¹	2
MATH-021	Technical Math for Auto/Diesel/Outdoor Power/Recreational Vehicle (or higher)	3-4
OPRV-105	Orientation/Safety/Shop Practices	2
OPRV-110	2- and 4-Cycle Gas Engines	5
OPRV-110L	2- and 4-Cycle Gas Engines Lab	2
OPRV-120	Power Equipment Service and Repair	5
OPRV-120L	Power Equipment Service and Repair Lab	2
Semester Total		21-22

Second Semester

ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
OPRV-130	ATV and Snowmobile Systems	5
OPRV-130L	ATV and Snowmobile Systems Lab	2
OPRV-140	Motorcycle Systems	5
OPRV-140L	Motorcycle Systems Lab	2
OPRV-150	Advanced Service Procedures	2
OPRV-150L	Advanced Service Procedures Lab	2
Session Total		21
Program Total		42-43

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Paralegal

Associate of Applied Science Degree

Professional-Technical Program

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 Requirements

First Semester

Course No.	Title	Credits
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
ENGL-101	English Composition ¹	3
PLEG-106	Introduction to Paralegal Profession and Legal Ethics	3
PLEG-115	Legal Terminology	1
PLEG-210	Legal Research and Writing I	4
		Semester Total 16

Second Semester

CAOT-130	Spreadsheets/Excel 1	1
CAOT-140	Database/Access 1	1
CAOT-183	Business Editing and Proofreading	3
CAOT-211	Machine Transcription and Document Formatting 1	1
CAOT-212	Machine Transcription and Document Formatting 2	1
COMM-101	Introduction to Speech Communication ¹	3
PLEG-105	Civil Procedures and Litigation	3
PLEG-220	Legal Research and Writing II	4
		Semester Total 17

Third Semester

CAOT-184	Records Systems Management	3
PLEG-135	Torts	3
PLEG-260	Criminal Law	3
PLEG-275	Evidence and Legal Transcription	3
	A.A.S. Math Requirement ²	3-4
		Semester Total 15-16

Fourth Semester

CAOT-250	Office Skills Capstone	1
ENGL-202	Technical Writing	3
PLEG-125	Contracts	3
PLEG-250	Family Law	3
PLEG-290	Paralegal Internship I	3
	A.A.S. Social Science/Human Relations/ Interpersonal Communications Requirement ³	3
		Semester Total 16
		Program Total 64-65

NOTES:

- ¹ Satisfies A.A.S. degree requirement.
- ² Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ³ Select from A.A.S. degree general education requirements listed on page 54. The American Bar Association Requires 18 credits of General Education.

Pharmacy Technology

Technical Certificate

Professional–Technical Program

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, which is explained below. Approximately 12-16 students are admitted to the program each fall semester. Course requirements prior to the technical pharmacy courses are open to all students who meet specific course prerequisites. The technical certificate can be obtained in an 11-month course of study.

Contact the Health Professions Division at (208) 676-7132 for further information.

Admission Procedures

Application Deadline: June 1 for acceptance into fall semester.

The application packet for the Pharmacy Technology program may be obtained from the Admissions Office or the Health Professions Office.

In addition to the regular college admissions requirements, students applying to the Pharmacy Technology program need to complete an application form. Current students should already have paid their application fee and have transcripts on file, but still need to submit an application for admission to the Pharmacy Technology program. An application packet for the Pharmacy Technology program may be picked up at the Admissions Office after May 1.

1. Submit a Pharmacy Technology program application by June 1.
2. New, returning and transfer students must submit an NIC application for admission by June 1.
3. Submit official high school transcripts or GED scores to the NIC Admissions Office no later than June 1.
4. Submit official college transcripts to the Admissions Office no later than June 1. Only courses that appear on the official transcript will be used to determine points for admission.
5. Submit documentation for health occupation credential. This documentation must be a transcript indicating completion of a program and the certificate, license, or degree awarded. No points will be awarded without this documentation.

Program Requirements

First Semester

Course No.	Title	Credits
ALTH-105	Infection Prevention	2
ALTH-110	Over the Counter and Herbal Medication	2
CAOT-179	Medical Terminology	2
ENGL-101	English Composition	3
MATH-102	Computational Skills for Allied Health	3
PHAR-151	Introduction to Pharmacology	2
PHAR-171	Applied Pharmacy Tech I	3
		Semester Total 17

Second Semester

A TEC-110	Successful Job Search	1
COMM-233	Interpersonal Communication	3
PHAR-110	Pharmacy Law and Ethics	2
PHAR-152	Advanced Pharmacology	3
PHAR-172	Applied Pharmacy Tech II	2
PHAR-180	Pharmacy Technology Practicum and Seminar I ¹	4
		Semester Total 15

Second Semester

PHAR-185	Pharmacy Technology Practicum and Seminar II ¹	4
		Semester Total 4
		Total Credits 36

Notes:

- 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.

6. Submit a copy of your summer class schedule. Students who are enrolled in prerequisite courses in the summer session in a school other than North Idaho College must submit a copy of their current schedule. This will validate eligibility to meet all prerequisites.

Admission Requirements

1. High school diploma or GED.
2. Completion of the NIC COMPASS test (or equivalent) with an algebra score of 41 or higher or completion of MATH-025 with a grade of C or better and an English score of 68 or the completion of ENGL-099 or ENGL-101 with a grade of C or better.
3. Transfer applicants must submit official transcripts of work-in-progress from current college. Final transcripts are required when available.
4. No course may be repeated more than once to achieve a 2.00 grade point average.
5. Completion of a criminal record background check prior to enrolling in PHAR-180.
6. Prerequisites: A minimum grade of C (2.00) must be achieved in prerequisite courses:
 - a. ALTH-106 (Working In Health Care)
 - b. BIOL-175 (Human Biology) or BIOL-100 (Fundamentals of Biology)
 - c. CAOT-112 (Keyboarding 1)
 - d. CAOT-113 (Keyboarding 2)

Pharmaceutical Manufacturing

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	3
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
BIOL-115	Introduction to Life Sciences	4
BIOL-250	General Microbiology	4
BLDR-140	Lean I	3
BMGT-256	Problem Solving Through Team Dynamics	3
CHEM-111	Principles of General College Chemistry I	5
CHEM-112	Principles of General College Chemistry II	5
PHIL-103	Ethics	3
PHMF-100	Pharmaceutical Manufacturing Principles	3
PHMF-105	Quality Systems and Regulations	2

Complete one course from the following:

MATH-143	College Algebra	3-4
MATH-160	Survey of Calculus	
MATH-170	Analytic Geometry and Calculus I	

Complete one of the following series:

BIOL-203	General Botany	7-8
CHEM-275	Carbon Compounds	
or		
CHEM-277	Organic Chemistry I	
CHEM-278	Organic Chemistry I Lab	
CHEM-287	Organic Chemistry II	
CHEM-288	Organic Chemistry II Lab	
or		
PHYS-111	General Physics I	
PHYS-112	General Physics II	

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum)	65

Notes:

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

Recommended Courses

BLDR-144	Principles of Quality	2
CHEM-253	Quantitative Analysis	5
ENGL-202	Technical Writing	3

Philosophy

Associate of Arts Degree

Transfer Program

The Philosophy 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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ²	3
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity ¹	0
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	9

Program Requirements

Course No.	Title	Credits
PHIL-101	Introduction to Philosophy	3
PHIL-103	Ethics	3
PHIL-111	World Religions	3

Elective Requirements

Courses 100-level or higher	<u>12-15</u>
Total Credits (minimum) 64	

Notes:

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

Philosophy

Associate of Science Degree

Transfer Program

The Philosophy 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ²	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
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	<u>19-21</u>
Total Credits (minimum) 64	

Notes:

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

Photography

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ¹	3
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ¹	9

Program Requirements

Course No.	Title	Credits
ART-121	2D/Design Foundations	3
ART-122	3D/Design Foundations	3
COMJ-140	Mass Media in a Free Society	3
PHTO-183	Introduction to Digital Photography	3
PSYC-101	Introduction to Psychology	3
THEA-101	Introduction to Theatre	3

Choose one course from the following: 3

PHTO-288	Intermediate Digital Photography	
PHTO-289	Photojournalism	

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 64	

Notes:

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

Photography

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	0
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	3
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
ART-111	Drawing I	2
ART-112	Drawing II	2
ART-121	2 D/Design Foundations	3
ART-122	3 D/Design Foundations	3
CINA-126	Film and International Culture	3
COMJ-140	Mass Media in a Free Society	3
PHIL-103	Ethics	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 Theatre	3

Elective Requirements

Courses 100-level or higher	3-5
Total Credits (minimum) 64	

Notes:

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

Physical Education

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	4
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
Choose 16 credits from the following:		
PE-160	Foundations of Physical Education	3
PE-220	Sports Ethics	2
PE-221	Fitness Activities and Concepts	2
PE-222	Wellness Lifestyles	3
PE-223	Exercise Physiology	3
PE-225	Sport Psychology	3
PE-288	First Aid	3
Choose one course from the following:		
BIOL-207	Concepts in Human Nutrition	3
PE-224	Nutrition for Health, Fitness, & Exercise	3
Choose one course from the following:		
BIOL-175	Human Biology	4
BIOL-227	Human Anatomy and Physiology I with Cadaver	4

Elective Requirements

Courses 100-level or higher ²	6-8
Total Credits (minimum) 64	

Notes:

- 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.

Areas of Emphasis

Athletic Training/Exercise Science

BIOL-228	Human Anatomy and 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 Chemistry I	5
PE-248	Care and Prevention of Athletic Injuries	3
PE-250	Clinical Athletic Training	3
PE-251	ACE Personal Trainer Certification	2
PE-253	ACE Group Fitness Instructor Certification	2

Coaching

PE-241B	Coaching Methods: Volleyball	2
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	Care and Prevention of Athletic Injuries	3
PE-251	ACE Personal Trainer Certification	2
PE-253	ACE Group Fitness Instructor Certification	2
SOC-155	Drug Abuse: Fact, Fiction, and Future	3

K-12 Education

EDUC-201	Introduction to Teaching	3
PE-110/111	Individual and Team Sport Courses	1-7
PE-243	Play and Game Theory	2
PE-251	ACE Personal Trainer Certification	2
PE-253	ACE Group Fitness Instructor Certification	2

Outdoor Recreation

PE-237A	Wilderness Backpacking	3
PE-237B	Wilderness Survival	3
PE-237C	Whitewater Guide	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

Physical Therapist Assistant

Associate of Applied Science Degree

Professional-Technical Program

The Physical Therapist Assistant program prepares students for employment as a physical therapist assistant (PTA). The PTA works together with the physical therapist to implement the plan of care to aid patients and clients return to maximal function. Students are instructed in principles and procedures of the PTA which include therapeutic modalities, therapeutic exercise, manual therapy and neurological interventions. Students will learn basic sciences of anatomy, physiology, kinesiology, and neurology. Clinical experiences are integrated throughout the curriculum to offer students the opportunity to practice the techniques they have learned each semester. The program is designed to be completed in two years, including clinical affiliations each summer. The program is seeking accreditation from the Commission on Accreditation of Physical Therapy Education (CAPTE, 1111 N. Fairfax St. Alexandria, VA 22314-1488). Graduates will be eligible to sit for the national physical therapy exam.

Program Requirements

First Semester

Course No.	Title	Credits
ENGL-101	English Composition	3
BIOL-227	Anatomy and Physiology I	4
CAOT-179	Medical Terminology	2
COMM-101	Introduction to Speech Communication	3
	A.A.S. Math Requirement ¹	<u>3-4</u>
		Semester Total 15

Second Semester

BIOL-228	Anatomy and Physiology II	4
PTAE-101	Physical Therapy in Health Care	2
PTAE-105	Therapeutic Modalities I	3
PTAE-106	Applied Kinesiology	3
PTAE-110	Principles and Procedures of Physical Therapy	<u>3</u>
		Semester Total 15

Third Semester

PTAE-150	Clinical Affiliation I	<u>4</u>
		Semester Total 4

Fourth Semester

PSYC-101	Introduction to Psychology	3
or PSYC-205	Developmental Psychology	(3)
or PSYC-211	Abnormal Psychology	(3)
PTAE-201	Clinical Pathology	3
PTAE-203	Therapeutic Exercise	3
PTAE-205	Therapeutic Modalities II	3
PTAE-206	Applied Anatomy and Physiology	3
PTAE-225	Clinical Education I	<u>1</u>
		Semester Total 16

Fifth Semester

PTAE-210	Manual Therapy	3
PTAE-211	Measurement and Assessment	2
PTAE-213	Neurological Rehabilitation	3
PTAE-220	Evidence-Based Practice	1
PTAE-226	Clinical Education II	1
PTAE-250	Clinical Affiliation II	<u>4</u>
		Semester Total 14

Sixth Semester

PTAE-255	Clinical Affiliation III	<u>6</u>
		Semester Total 6
		Program Total 70-71

NOTES:

¹ Mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.

Physics/Astronomy

Associate of Science Degree

Transfer Program

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 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
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	Introduction to Ordinary Differential Equations	3
PHYS-211	Engineering Physics I	5
PHYS-212	Engineering Physics II	5

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 64	

Notes:

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

Political Science and Pre-Law

Associate of Arts Degree

Transfer Program

The Associate of Arts in Political Science and Pre-Law approximates the equivalence of the first two years of study in for a Bachelor of Arts in Political Science. It requires a foreign language component and a broader depth of courses in other social sciences. Students are introduced to some of the various subfields of political science and the scope of the discipline. The Associates of Arts program also serves as a foundation for further professional or academic study in pre-law, business, 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 the associate of arts degree meets the general core requirements at all Idaho public universities.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	6

Program Requirements

MATH-130	Finite Math (or higher)	3-4
Choose one course from the following:		3
POLS-101	American National Government	
POLS-105	Introduction to Political Science	

Choose two additional Political Science courses other than POLS-298 (one must be from the Group IV Social Sciences). 6

Choose 4-5 credits from any modern language: ³ 4-5

Elective Requirements

Courses 100-level or higher	6-8
Total Credits (minimum) 64	

- ¹ This General Education Requirement is met by the Program Requirements.
- ² This General Education Requirement is partially met by the Program Requirements.
- ³ Additional courses in modern language are recommended for transfer to some four-year institutions.

Political Science and Pre-Law

Associate of Science Degree

Transfer Program

The Associate of Science in Political Science and Pre-Law approximates 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 Associates of Science program also serves as a foundation for further professional or academic study in pre-law, business, 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities ¹	0

Program Requirements

CS-100	Introduction to Computers and Computer Science	3
MATH-130	Finite Mathematics	4
POLS-101	American National Government	3
Choose one of the following courses:		3-4
MATH-108	Intermediate Algebra	
MATH-143	College Algebra	
MATH-253	Principles of Applied Statistics	

Choose two additional Political Science courses other than POLS-298. 6

Elective Requirements

Courses 100-level or higher	13-14
Total Credits (minimum)	64

Notes:

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

Pre-Medical Related Fields

Associate of Science Degree

Transfer Program

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 degree with an area of emphasis in Pre-Medical Related Fields. Course selection should be tailored to match requirements of the transfer institution.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

BIOL-115	Introduction to Life Sciences	4
BIOL-227	Human Anatomy and Physiology I with Cadaver	4
BIOL-228	Human Anatomy and Physiology II with Cadaver	4
BIOL-250	General Microbiology	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

Elective Requirements

Courses 100-level or higher	<u>0</u>
Total Credits (minimum) 64	

Notes:

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

Pre-Microbiology/Medical Technology

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

BIOL-115	Introduction to Life Sciences	4
BIOL-250	General Microbiology	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

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 64	

Notes:

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

Pre-Nutrition

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	0
Social Science and Arts and Humanities ¹	0

Program Requirements

BIOL-170	Introductory Foods	3
BIOL-170L	Introductory Foods Lab	1
BIOL-207	Concepts in Human Nutrition	3
BIOL-227	Human Anatomy and Physiology I with Cadaver	4
BIOL-228	Human Anatomy and Physiology II with Cadaver	4
BIOL-250	General Microbiology	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

Elective Requirements

Courses 100-level or higher	6
Total Credits (minimum)	64

Notes:

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

Pre-Physical Therapy

Associate of Science Degree

Transfer Program

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 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	0
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
BIOL-227	Human Anatomy and Physiology I with Cadaver	4
BIOL-228	Human Anatomy and 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	<u>9</u>
Total Credits (minimum) 64	

Notes:

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

Pre-Veterinary Medicine

Associate of Science Degree

Transfer Program

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 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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ¹	0
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
BIOL-115	Introduction to Life Sciences	4
BIOL-202	General Zoology	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

Choose one course from the following:	4
MATH-160	Survey of Calculus
MATH-170	Analytic Geometry and Calculus I

Elective Requirements

Courses 100-level or higher	<u>4</u>
Total Credits (minimum)	64

Notes:

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

Psychology

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	6

Program Requirements

Course No.	Title	Credits
MATH-253	Principles of Applied Statistics	3
PSYC-101	Introduction to Psychology	3
PSYC-205	Developmental Psychology	3
PSYC-211	Abnormal Psychology	3
PSYC-218	Introduction to Research in the Behavioral Sciences	4

Choose one course from the following:	3-4
MATH-130	Finite Mathematics
MATH-143	College Algebra

Elective Requirements

Courses 100-level or higher	<u>4-5</u>
Total Credits (minimum) 64	

Notes:

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

Psychology

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	3
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
MATH-253	Principles of Applied Statistics	3
PSYC-101	Introduction to Psychology	3
PSYC-205	Developmental Psychology	3
PSYC-211	Abnormal Psychology	3
PSYC-218	Introduction to Research in the Behavioral Sciences	4

Choose one course from the following: 3-4

MATH-130	Finite Math
MATH-143	College Algebra

Elective Requirements

Courses 100-level or higher 16-17
Total Credits (minimum) 64

Notes:

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

Radiography Technology

Associate of Applied Science Degree

Professional–Technical Program

The Radiography Technology program prepares students to become a radiography technologist and member of a health care team. The program integrates knowledge from the biological sciences, social sciences, and math with the theory and practice of radiography technology to prepare students as entry-level technologists. Upon successful completion of this program students will graduate with an associate of applied science degree and be eligible to become certified by taking the registry examination of the American Registry of Radiologic Technologists (ARRT). The Radiography Technology associate of applied science degree program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Inquiries can be made by contacting JRCERT at 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182 or (312) 704-5300 or www.jrcert.org.

Admission Procedures

Application Deadline: Next class begins in fall 2012.

In addition to the regular college admissions requirements, students applying for the Radiography Technology program need to complete a Radiography Technology application, which consists of:

1. Radiography Technology program application. (Available in the spring).
2. High school and college transcripts.
3. Personal statement stating reason for applying to the program.
4. Three letters of recommendation submitted with application.
5. Documentation of Clinical Observation Forms. Points in the selection process will be awarded for job shadowing in a Radiology Department. Upon receiving the Radiography application, the clinical observation evaluation forms will be mailed out to the applicant. For additional information please contact the Health Professions and Nursing division at (208) 676-7132.

Admission Requirements

1. High school diploma or GED.
2. A minimum cumulative grade point average of 2.50 on required courses.
3. A minimum grade of C or 2.0 must be earned in all required classes.
4. All BIOL courses which were completed more than seven years prior to application to the program must be repeated.
5. Prerequisite Courses: Transcripts for all prerequisite courses not completed at NIC must be sent to the NIC Admissions Office.
 - Algebra competency may be demonstrated by ACT, SAT, or COMPASS score taken in the two years prior to the program application deadline indicating placement above MATH-025 or completion of MATH-025 or MATH-108 or a math class meeting the A.A.S. degree math requirement as listed in the NIC catalog with a grade of C (2.0) or higher.
 - BIOL-227 (Human Anatomy & Physiology I)
 - BIOL-228 (Human Anatomy & Physiology II)
 - CAOT-179 (Medical Terminology). A medical terminology course less than 2 credits must be approved.

Additional Information

Acceptance to the Radiography Technology program is limited. 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. A personal interview will be given for the highest-rank-

Program Requirements

First Semester

Course No.	Title	Credits
MATH-143	College Algebra ¹	3
RADT-101	Introduction to Radiography	2
RADT-102	Patient Care in Radiography	3
RADT-104A	Radiographic Images I	1
RADT-106	Radiographic Procedures I	3
RADT-110	Law and Ethics for Radiography	1
RADT-180	Clinical Education I	3

Semester Total 16

Second Semester

ENGL-101	English Composition	3
RADT-104B	Radiographic Images I	1
RADT-105	Radiation Protection	2
RADT-108	Radiographic Procedures II	2
RADT-182	Clinical Education II	6

Semester Total 14

Third Semester

RADT-192	Clinical Education III	3
RADT-202A	Radiographic Images II	1
RADT-205	Radiographic Procedures III	3

Semester Total 7

Fourth Semester

COMM-101	Introduction to Speech Communication	3
RADT-107	Radiography Physics	3
RADT-202B	Radiographic Images II	1
RADT-206	Radiographic Procedures IV	2
RADT-292	Clinical Education IV	8

Semester Total 17

Fifth Semester

PSYC-101	Introduction to Psychology	3
or SOC-101	Introduction to Sociology	(3)
RADT-201	Pharmacology and Contrast Procedures in Radiography	2
RADT-298	Clinical Education V	8

Semester Total 13

Program Total 67

Recommended Courses

RADT-291	Clinical Education Option	1
RADT-297	Senior Radiography Review	1

Notes:

¹ An approved higher A.A.S. math requirement may be substituted.

ing candidates. The number of applicants interviewed will be narrowed to a predetermined number based on the number of students accepted. Acceptance into the program will be based on the score the applicant receives in the interview. Currently enrolled students should already have an application fee and transcripts on file. Interested students are encouraged to contact the Health Professions Office at (208) 676-7132 or their academic advisor to get the necessary information. It is highly recommended that potential applicants meet with an advisor as they begin planning their pre-radiography coursework.

1. The NIC Admissions Office will determine if previous college prerequisites will be acceptable for transfer.
2. All required courses must be completed by the end of the program.
3. Upon acceptance into the radiography program, a criminal background check will be required for participation in clinical rotations.

Resort/Recreation Management

Associate of Applied Science Degree

Professional-Technical Program

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.

Program Requirements

First Semester

Course No.	Title	Credits
CAOT-120	Word Processing/Word 1 ¹	1
ENGL-101	English Composition ²	3
MATH-123	Contemporary Math (or higher) ³	3-4
RRM-100	Introduction to Hospitality and Tourism	3
RRM-140	Leadership Principles	3
_____	Program Electives	1-3
Semester Total		14-17

Second Semester

BUSA-221	Principles of Marketing	3
CAOT-130	Spreadsheets/Excel 1 ¹	1
_____	or CAOT-140 Database/Access 1 ¹	(1)
COMM-101	Introduction to Speech Communication ²	3
RRM-220	Resort/Recreation Management Principles	3
_____	A.A.S. Natural Science Requirement ⁴	4
_____	Program Electives	2-3
Semester Total		16-17

Third Semester

ACCT-110	Small Business Accounting	3
_____	or ACCT-201 Principles of Accounting	(3)
PHIL-103	Ethics ²	3
RRM-225	Event Planning and Management	3
_____	Program Electives	6
Semester Total		15

Fourth Semester

BUSA-265	Legal Environment of Business	3
RRM-230	Leisure and Recreation Programming	3
RRM-250	Risk Management in the Resort Industry	3
RRM-290	Resort/Recreation Management Internship	3
_____	Program Electives	3
Semester Total		15
Program Total		60-64

Notes:

- ¹ These classes are offered in the Flexible Learning Center. Individuals with prior skills or knowledge should enroll in the class and inquire about a proof of competency exam.
- ² Satisfies the A.A.S. degree general education requirement listed on page 54.
- ³ The mathematics requirement includes any math course that is MATH-123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ⁴ Select from the A.A.S. degree natural sciences requirement listed on page 54.

Recreation Elective Course List

PE-110/111	Topic of student's choice (2 credits)	2
PE-234	Team Dynamics	3
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-237G	Avalanche Level 1	1
PE-237 H	Introduction to Outdoor Cooking	3
PE-237J	Swift Water Rescue	3
PE-237DD	Mountaineering II	1
PE-288	First Aid	3
RRM-110	Wilderness First Responder	3
RRM-120	Natural Resource Conservation and Management	3
RRM-125	Wilderness Ethics and Interpretation	3
RRM-130	Terrain Park Management	2
RRM-135	Introduction to Ski Instruction	1

Hospitality/Tourism Elective Course List

BMGT-260	Human Resource Management	3
FDBV-110	Food and Beverage Customer Service Management	3
FDBV-125	Hospitality Supervision	2
FDBV-230	Food and Beverage Operations Management	3

Social Work

Associate of Arts Degree

Transfer Program

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 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. Students planning to attend Lewis-Clark State College should pursue the associate of science degree program.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science ²	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ¹	9

Program Requirements

Course No.	Title	Credits
PSYC-101	Introduction to Psychology	3
SOWK-240	Introduction to Social Work	3
SOWK-241	Social Work Generalist Practice	3

Choose one course from the following: 3-4

BIOL-100	Fundamentals of Biology
SOC-101	Introduction to Sociology

Elective Requirements

Courses 100-level or higher	<u>2-6</u>
Total Credits (minimum) 64	

Recommended Courses

ANTH-225	Native People of North America	3
FLAN-207	Contemporary World Cultures	3
PHIL-103	Ethics	3
PHIL-111	World Religions	3
PSYC-205	Developmental Psychology	3
PSYC-211	Abnormal Psychology	3
SOC-220	Marriage and Family	3
SOC-283	Death and Dying	3

Notes:

- ¹ This General Education Requirement is met by the Program Requirements.
- ² This General Education Requirement may be met by the Program Requirements.

Social Work

Associate of Science Degree

Transfer Program

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 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. Students planning to attend Lewis-Clark State College should pursue the associate of science degree program.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science ²	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines) ²	6
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
PSYC-101	Introduction to Psychology	3
SOWK-240	Introduction to Social Work	3
SOWK-241	Social Work Generalist Practice	3

Choose one course from the following: 3-4

BIOL-100	Fundamentals of Biology
SOC-101	Introduction to Sociology

Elective Requirements

Courses 100-level or higher 15-18

Total Credits (minimum) 64

Recommended Courses

ANTH-225	Native People of North America	3
FLAN-207	Contemporary World Cultures	3
PHIL-103	Ethics	3
PHIL-111	World Religions	3
PSYC-205	Developmental Psychology	3
PSYC-211	Abnormal Psychology	3
SOC-220	Marriage and Family	3
SOC-283	Death and Dying	3

Notes:

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

Sociology

Associate of Arts Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II)	6
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV) ²	6

Program Requirements

Course No.	Title	Credits
MATH-253	Principles of Applied Statistics	3
SOC-101	Introduction to Sociology	3
SOC-102	Social Problems	3

Choose one course from the following: 3-4

MATH-130	Finite Mathematics
MATH-143	College Algebra

Elective Requirements

Courses 100-level or higher	11-12
Total Credits (minimum) 64	

Recommended Courses

ANTH-102	Introduction to Social and Cultural Anthropology	3
HIST-102	History of Civilization Since 1500	3

Notes:

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

Sociology

Associate of Science Degree

Transfer Program

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 Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines)	6
Communication	3
English Composition	6
Laboratory Science	8
Mathematics ¹	0
Physical Education Activity and Dance	2
Social Science (2 disciplines) ¹	3
Social Science and Arts and Humanities ¹	0

Program Requirements

Course No.	Title	Credits
MATH-253	Principles of Applied Statistics	3
SOC-101	Introduction to Sociology	3
SOC-102	Social Problems	3

Choose one course from the following: 3-4

MATH-130	Finite Mathematics
MATH-143	College Algebra

Elective Requirements

Courses 100-level or higher 23-24

Total Credits (minimum) 64

Recommended Courses

ANTH-102	Introduction to Social and Cultural Anthropology	3
HIST-102	History of Civilization Since 1500	3

Notes:

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

Theatre

Associate of Arts Degree

Transfer Program

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, 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 some weekends.

Program Requirements

General Education Requirements (see pages 50-51)

Area of Study	Credits
Arts and Humanities (Group I, II) ¹	3
Communication	3
Computer Science	3
Critical Thinking	3
Cultural Diversity	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (Group I, II, III, IV)	12

Program Requirements

Course No.	Title	Credits
COMM-103	Oral Interpretation	3
THEA-101	Introduction to the Theatre	3
THEA-102	Stage Makeup	3
THEA-103	Introduction to Stagecraft	3
THEA-104	Stagecraft II	3
THEA-105	Basics of Performance I	2
THEA-106	Basics of Performance II	2
THEA-163	Basics of Scene Design and Graphics	2
THEA-190	Theatre Practice	1
THEA-263	Technical Production	2
THEA-271	Play Analysis	3
THEA-272	Intermediate Acting	3
THEA-273	Stage Lighting	3

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 79	

Notes:

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

Theatre

Associate of Science Degree

Transfer Program

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, 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 some weekends.

Program Requirements

General Education Requirements (see pages 52-53)

Area of Study	Credits
Arts and Humanities (2 disciplines) ¹	3
Communication	3
English Composition	6
Laboratory Science	8
Mathematics	3-5
Physical Education Activity and Dance	2
Social Science (2 disciplines)	6
Social Science and Arts and Humanities	3

Program Requirements

Course No.	Title	Credits
COMM-103	Oral Interpretation	3
THEA-101	Introduction to the Theatre	3
THEA-102	Stage Makeup	3
THEA-103	Introduction to Stagecraft	3
THEA-104	Stagecraft II	3
THEA-105	Basics of Performance I	2
THEA-106	Basics of Performance II	2
THEA-163	Basics of Scene Design and Graphics	2
THEA-190	Theatre Practice	1
THEA-263	Technical Production	2
THEA-271	Play Analysis	3
THEA-272	Intermediate Acting	3
THEA-273	Stage Lighting	3

Elective Requirements

Courses 100-level or higher	0
Total Credits (minimum) 67	

Notes:

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

Virtual Administrative Assistant

Technical Certificate

Professional–Technical Program

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, desktop publishing, 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.

Program Requirements

Course No.	Title	Credits
BUSA-101	Introduction to Business	3
CAOT-112	Keyboarding 1	1
CAOT-113	Keyboarding 2	1
CAOT-115	Outlook	1
CAOT-120	Word Processing/Word 1	1
CAOT-121	Word Processing/Word 2	1
CAOT-122	Word Processing/Word 3	1
CAOT-130	Spreadsheets/Excel 1	1
CAOT-131	Spreadsheets/Excel 2	1
CAOT-132	Spreadsheets/Excel 3	1
CAOT-140	Database/Access 1	1
CAOT-141	Database/Access 2	1
CAOT-142	Database/Access 3	1
CAOT-150	PowerPoint	1
CAOT-160	Desktop Publishing/Publisher 1	1
CAOT-161	Desktop Publishing/Publisher 2	1
CAOT-164	Computer Fundamentals for Tech Programs	1
CAOT-166	Living Online for Tech Programs	1
CAOT-211	Machine Transcription Document Formatting 1	1
CAOT-212	Machine Transcription Document Formatting 2	1
CAOT-220	Administrative Support Internship 1	3
CAOT-250	Office Skills Capstone	1
ENGL-272	Business Writing	3
Total Credits (minimum)		29

Optional Courses

ACCT-110	Small Business Accounting	(3)
BMGT-210	How to Start a Small Business	(1)
CAOT-183	Business Editing and Proofreading	(3)

Web Design

Associate of Applied Science Degree

Transfer Program

The associate of applied science degree in Web Design provides students with knowledge of how to prototype, design, and create compelling business, informational, educational and self-promotional websites, meeting professional standards for visual design content, user interactivity, usability, and accessibility by using HTML, CSS, JavaScript, and additional web technologies. Students will produce designs that communicate logically structured hierarchies of information using industry-standard software applications. The curriculum is based on graphic design foundation courses from the existing associate of applied science Graphic Design program, utilizing modern design skills of the web profession.

Program Requirements

General Education Requirements (see pages 54-55)

Area of Study	Credits
English Composition ¹	0
Mathematics	3-5
Social Science/Human Relations/Interpersonal Communications	3
Natural Sciences or additional course from above ¹	0

Program Requirements

BUSA-101	Introduction to Business	3
COMM-101	Introduction to Speech Communication	3
COMM-233	Interpersonal Communication	3
ENGL-101	English Composition	3
GDES-101	History of Graphic Design	2
GDES-112	Drawing for Designers	2
GDES-120	Typography	2
GDES-130	Introduction to Apple Operating Systems (MAC-OS)	1
GDES-131	Adobe Illustrator-Vector Graphics	3
GDES-132	Adobe Photoshop-Raster Graphics	3
GDES-134	Acrobate Dynamic PDF	2
GDES-140	Internet Fundamentals	2
GDES-221	Graphic Design I	3
GDES-222	Graphic Design II	3
GDES-246	Web Usability	2
GDES-254	Interaction Design and Prototyping	3
GDES-255	Design Concepts for the Web	3
GDES-258	DOM Scripting for Designers	3
GDES-260	Development for Mobile Devices	3
GDES-283	Portfolio Development	3
GDES-290	Internship	3

Total Credits (minimum) 60-62

Notes:

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

Welding Technology

Technical Certificate

Professional-Technical Program

The Welding Technology program is designed to prepare students for entry-level employment. 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. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
MATH-015	Basic Mathematics (or higher)	3-4
WELD-100A	Welding Theory	2
WELD-111	Safety	1
WELD-120	Blueprint Reading	3
WELD-165L	Shielded Metal Arc Welding I	5
WELD-180L	Shielded Metal Arc Welding II	3
WELD-196L	Carbon Arc/Plasma Arc Cutting	2
Semester Total		19-20

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
ENGL-099	Fundamentals for Writing	3
	or ENGL-101 English Composition	(3)
WELD-100B	Welding Theory	2
WELD-131	Advanced Blueprint Reading	3
WELD-170L	Flux Cored Arc Welding	3
WELD-175L	Gas Metal Arc Welding	3
WELD-185L	Gas Tungsten Arc Welding	4
Semester Total		20
Program Total		39-40

Notes:

¹ Students may substitute another course with written permission of instructor and division chair.

Welding Technology

Advanced Technical Certificate

Professional–Technical Program

The Welding Technology program is designed to prepare students for entry-level employment. 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. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
MATH-015	Basic Mathematics (or higher)	3-4
WELD-100A	Welding Theory	2
WELD-111	Safety	1
WELD-120	Blueprint Reading	3
WELD-165L	Shielded Metal Arc Welding I	5
WELD-180L	Shielded Metal Arc Welding II	3
WELD-196L	Carbon Arc/Plasma Arc Cutting	2
		Semester Total 19-20

Second Semester

ATEC-117	Occupational Relations and Job Search ¹	2
ENGL-099	Fundamentals for Writing	3
or ENGL-101	English Composition	(3)
WELD-100B	Welding Theory	2
WELD-131	Advanced Blueprint Reading	3
WELD-170L	Flux Cored Arc Welding	3
WELD-175L	Gas Metal Arc Welding	3
WELD-185L	Gas Tungsten Arc Welding	4
		Semester Total 20

Third Semester

WELD-210	Welding Theory	2
WELD-214	Mechanical Drawing	2
WELD-230	Quality Control/NDT	1
WELD-240	Layout Procedures	2
WELD-281L	Shielded Metal Arc Welding	7
		Semester Total 14

Fourth Semester

WELD-200	Welding Metallurgy	3
WELD-224	Advanced Mechanical Drawing	3
WELD-290	Gas Tungsten Arc Welding	3
WELD-291L	Gas Tungsten Arc Welding Lab	6
		Semester Total 15
		Program Total 68-69

Notes:

- ¹ Students may substitute another course with written permission of instructor and division chair.

Welding Technology

Associate of Applied Science Degree

Professional-Technical Program

The Welding Technology program is designed to prepare students for entry-level employment. 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. 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 (see page 45).

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

Program Requirements

First Semester

Course No.	Title	Credits
WELD-100A	Welding Theory	2
WELD-111	Safety	1
WELD-120	Blueprint Reading	3
WELD-165L	Shielded Metal Arc Welding I	5
WELD-180L	Shielded Metal Arc Welding II	3
WELD-196L	Carbon Arc/Plasma Arc Cutting	2
_____	A.A.S. Math Requirement ¹	<u>3-4</u>
		Semester Total 19-20

Second Semester

ENGL-101	English Composition ²	3
WELD-100B	Welding Theory	2
WELD-131	Advanced Blueprint Reading	3
WELD-170L	Flux Cored Arc Welding	3
WELD-175L	Gas Metal Arc Welding	3
WELD-185L	Gas Tungsten Arc Welding	4
_____	A.A.S. Social Science/Human Relations/Interpersonal Communications Requirement ³	<u>3</u>
		Semester Total 21

Third Semester

WELD-210	Welding Theory	2
WELD-214	Mechanical Drawing	2
WELD-230	Quality Control/NDT	1
WELD-240	Layout Procedures	2
WELD-281L	Shielded Metal Arc Welding	7
_____	A.A.S. General Education Requirement ³	<u>3</u>
		Semester Total 17

Fourth Semester

WELD-200	Welding Metallurgy	3
WELD-224	Advanced Mechanical Drawing	3
WELD-290	Gas Tungsten Arc Welding	3
WELD-291L	Gas Tungsten Arc Welding Lab	6
_____	A.A.S. English Composition Requirement ³	<u>3</u>
		Semester Total 18
		Program Total 75-76

Notes:

- ¹ Mathematics requirement includes any math course that is MATH 123 or higher and meets the A.A.S. degree requirements listed on page 54.
- ² Satisfies A.A.S. degree requirement.
- ³ Select from A.A.S. degree general education requirements listed on page 54.

Course Descriptions



North Idaho College 2012-2013

DEFINITIONS**Corequisite**

A corequisite in the course description means there is a requirement to enroll concurrently in another course or courses unless the corequisite has been previously completed with at least a C- grade.

Prerequisite

A prerequisite in the course description means there is a requirement that must be met prior to enrolling in the course. This may include, but is not limited to: completion of other courses, acceptance in certain programs, sophomore standing, instructor permission, and prescribed test scores. If the prerequisite is another course, then that course must have been completed with a minimum grade of C- in order to satisfy the pre-enrollment requirement.

Recommendation

A recommendation in the course description identifies previously established skill levels or completed courses that are important in assuring a successful enrollment. Recommendations should be carefully considered, but are not required.

COLLEGE-WIDE COURSE NUMBERS**203-Workshop**

Credits arranged

Certain courses that are of a short duration are typically called workshops. They can be conducted by qualified NIC faculty members or other authorities in a particular field. Six credits maximum may be applied toward graduation.

Prerequisite: Permission of the instructor

097-, 197-, or 297-Special Topic

Credits arranged

Special topic courses are semester-length courses dealing with unique subjects or timely topics conducted by qualified faculty or authorities in a particular field.

290-Internship

An internship is an off-campus experience directed by an on-site supervisor, but overseen by a faculty member designated to provide the student with an opportunity to observe and/or participate in a job-related activity that falls within the student's field of study. Six credits maximum may be applied toward graduation.

Prerequisite: Permission of the instructor

298-Practicum

A practicum is an out-of-classroom experience designed to give the student an opportunity to apply principles learned in academic course work to specific community-related or employment-related situations. Practicums are overseen by a faculty member. Eight credits maximum can be applied toward graduation.

Prerequisite: Permission of the instructor

299-Independent Study

Credits arranged

Independent study includes individual study involving reading or a project and is offered on demand only. Six credits maximum may be applied toward graduation. Contact the Registrar's Office for Independent Study Guidelines. Enrollment is accepted the first four weeks of each semester or the first two weeks of summer session.

Prerequisite: Sophomore standing (26 credits completed), 3.00 GPA, and permission of the instructor

ACCOUNTING**ACCT-110**

3 Credits

Small Business Accounting

ACCT-110 is an introduction to accounting procedures for individual proprietorship businesses. Emphasis is on the accounting cycle, double-entry accounting system, special journals, payroll, and systems and procedures for handling accounting problems associated with small businesses. Accounting for both service and merchandising businesses will be included in this course. Students will practice proper accounting procedures manually, on spreadsheet software, and accounting software. This course is required for students in all Business and Office Technology programs and the Accounting Assistant program. 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.

Lecture/Lab: 3 hours per week

Corequisite: CAOT-130

ACCT-111

3 Credits

Small Business Accounting II

ACCT-111 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. This course is required for students in the Accounting Assistant program and others who want to upgrade business skills for improved employability.

Lecture/Lab: 3 hours per week

Prerequisite: ACCT-110 or ACCT-201

ACCT-113

3 Credits

Payroll Accounting

ACCT-113 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.

Lecture/Lab: 3 hours per week

Prerequisite: ACCT-110 or ACCT-201

ACCT-138

3 Credits

Accounting for Managers

This course is an introduction to accounting from a user's perspective. Students will explore accounting information's role in the decision-making process and how to use various types of accounting information found in financial statements and annual reports. This course will emphasize what accounting information is, why it is important, and how it is used by economic decision makers. Understanding how accounting information can be used to make better business decisions can benefit all students, regardless of their major course of study or chosen career. Prior completion of other courses is not required.

ACCT-140

3 Credits

QuickBooks Pro

ACCT-140 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 account-

ing system will also be discussed.

Lecture/Lab: 4 hours per week

Prerequisite: ACCT-110 or ACCT-201

ACCT-150 **10-Key Skill Building**
1 Credit

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).

Lab: Online delivery

Recommended: Some keyboarding proficiency

ACCT-201 **Principles of Accounting**
3 Credits

ACCT-201 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. This course is included in the Business Education and Business Administration curricula. It fulfills the accounting course requirement for all Business and Office Technology programs. Upon completion of ACCT-201, students may not receive credit for ACCT-110 and/or ACCT-111.

Lecture/Lab: 3 hours per week

ACCT-202 **Managerial Accounting**
3 Credits

ACCT-202 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. This course is included in the Business Education and Business Administration curricula.

Lecture/Lab: 3 hours per week

Prerequisite: ACCT-201

ACCT-244 **Credit and Collections**
3 Credits

ACCT-244 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.

Lecture: 3 hours per week

Prerequisite: ACCT-111 or ACCT-202

ACCT-246 **Current Business Taxes**
3 Credits

ACCT-246 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.

Lecture: 3 hours per week

Prerequisite: ACCT-111 or ACCT-202

ACCT-248 **Accounting Internship**
4 Credits

ACCT-248 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.

Lecture: 15 hours

Internship: 135 hours of site work

Prerequisites: ACCT-113, ACCT-140, ACCT-244, and ACCT-246

ALLIED HEALTH

ALTH-103 **Mental Fitness and Aging**
1 Credit

Students will explore current scientific understandings of how lifestyle behaviors, brain exercises, and memory boosting practices can maintain or even enhance our thinking processes as we age. Within a holistic perspective, strategies that support memory function will be emphasized. Students will be invited to participate in exercises that support these brain functions and will leave the course with a variety of resources for individual use.

Lecture: 2 hours per week for 8 weeks

ALTH-104 **Saturday at the Movies
for Older Adults**
1 Credit

This course is designed for older adults wishing to discuss movies of interest, including those with aging-related themes. Films will vary year to year, based on student interest and film availability. Examples include Surfing for Life, On Golden Pond, Nobody's Fool, Young at Heart, The Bucket List, Steel Magnolias, etc. Discussion topics are likely to include myths and realities of aging, relationships with family and friends, the joys and challenges of coping with aging and loss, traditions of the past compared to the pressures of today, aging as a journey of the soul, and finding and maintaining your life's passions.

Lecture: 18 hours

ALTH-105 **Infection Prevention**
2 Credits

This course is an introduction to concepts regarding infection/prevention and control with major emphasis on the blood-borne pathogens HIV and Hepatitis B. Modes of transmission, prevention and OSHA standards for blood-borne pathogens, basic pathophysiology of HIV and Hepatitis B, and current treatments will be defined. Psychosocial, legal, and ethical issues about these diseases will also be discussed.

Lecture: 2 hours per week

ALTH-106 **Working in Health Care**
2 Credits
(Formerly ALTH-101 and ALTH-102)

ALTH-106 exposes students to the structure, driving forces, concepts, and expectations of the health care system so that they can evaluate whether a health career will be a good fit for their interests and aptitudes. In addition to developing an understanding of the health care delivery system, students will participate in career exploration and development exercises, conduct informational interviews on selected health careers, and virtual or in-person

health care facility tours.

Lecture: 2 hours per week

ALTH-107 **Communication for Health Professionals**
1 Credit

This lecture/discussion course provides allied health students the opportunity to develop communication skills necessary for effective helping and teamwork relationships. This course is required for Practical Nursing and Medical Assistant program completion.

Lecture: 2 hours per week for 8 weeks

ALTH-109 **Guided Autobiography for Older Adults**
1 Credit

The focus of this course is on remembering and sharing stories. Each week members of the course explore a different life theme that has been influential in shaping their lives. Participants write up to two pages on each theme at home and bring their writing to share in a small group with others also sharing their stories. The emphasis of this experience is on sharing stories and not on writing style. Participants start with a history of life branching points and in subsequent classes explore topics such as family, the role of money, major life work, health and body, and other topics that interweave to form the tapestry of a life.

Lecture: 2 hours per week for 8 weeks

ALTH-110 **Over the Counter and Herbal Medications**
2 Credits

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.

Lecture: 2 hours per week

ALTH-115 **Human Body Structure and Function (Previously PN 104)**
3 Credits

This course is a presentation of the essential anatomy and physiology of the human body. All body organ systems are discussed in a format of lecture, diagrams, and audiovisual materials. The course will introduce some aspects of chemistry and microbiology as it relates to health care. Knowledge of the anatomy and physiology of the human body as a basis for later study of disease processes is an essential part of the curriculum for students in the nursing profession. This course is limited to Practical Nursing students only.

ALTH-130 **Nursing Assistant (CNA)**
5 Credits

This course serves as an introduction to health care as a provider. It 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, students will be eligible to take the state mandate written and clinical skills exams. Successful completion of the state exams meets the requirements of P.L. 100-203, Omnibus Budget Reconciliation Act (OBRA) of 1987.

Lecture: 4 hours per week

Lab: 4 hours per week

AMERICAN INDIAN STUDIES

AIST-101 **Introduction to American Indian Studies**
3 Credits

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. This course satisfies the cultural diversity requirement for the A.A. degree and partially satisfies the social science requirement for the A.S. degree.

Lecture: 3 hours per week

Recommended: Completion or concurrent enrollment in ENGL-101 and ANTH-101

ANTHROPOLOGY

ANTH-101 **Introduction to Physical Anthropology**
3 Credits

This course offers instruction in how the human species has developed over the past five million years. Information includes the African fossil finds, possible ancestors of the first humans, how human populations may differ from each other biologically, and the development of human abilities to live in all of Earth's environments. This course satisfies a social science course requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

ANTH-102 **Introduction to Social and Cultural Anthropology**
3 Credits

ANTH-102 is a study of human culture, which involves the information and techniques people use to survive and get along with each other. Included are examples from exotic peoples around the world in the areas of religion, magic, kinship, coming of age ceremonies, marriage rituals, economic activities, hunting techniques, etc. The course includes a broad understanding of how human beings live and how human customs vary throughout the world. This course satisfies a social science course requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

ANTH-225 **Native People of North America**
3 Credits

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. This course satisfies the cultural diversity requirement for the A.A. degree or three social science credits toward an A.S. degree.

Lecture: 3 hours per week

ANTH-230 **Introduction to Archaeology and World Prehistory**
3 Credits

This course offers classroom instruction in the ways archaeologists unearth the remains of ancient peoples. Included is a brief

look at what those archaeologists have discovered in various places throughout the world from the earliest stone tools to the invention of agriculture. ANTH-230 is an interesting course for those students curious about the human past in both the Old and New Worlds, as well as students wishing to satisfy the Group 4 Social Science requirement for the A.A. degree or three social science credits toward an A.S. degree.

Seminar: 3 hours per week

ANTH-299 **Independent Study: Readings in the History of Anthropology**
3 Credits

This course is an individual study in which students complete readings from books relating to the development of modern anthropological thinking. Students will prepare a document based on those readings. This course is intended for anthropology majors wishing to transfer to B.A. granting institutions.

Instructor Contact: 3 hours per week

Prerequisites: ANTH-101, ANTH-102, ANTH-230, and ENGL-102

APPLIED TECHNOLOGY

ATEC-110 **Successful Job Search**
1 Credit

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.

Lecture: 1 hour per week

ATEC-117 **Occupational Relations and Job Search**
2 Credits

ATEC-117 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.

Lecture: 2 hours per week

ART AND DESIGN

ART-100 **Survey of Art**
3 Credits

ART-100 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. It satisfies an arts and humanities course requirement for A.A. and A.S. degrees.

Lecture: 3 hours per week

ART-101 **History of Western Art I**
3 Credits

This course offers a historical overview of the development of West-

ern visual art in its principal phases from prehistoric societies to the 12th century AD. The arts of these cultures will be examined through the analysis of major monuments of architecture, sculpture, and painting with specific attention to the communicative function of the work of art in relation to its society. ART-101 expands an understanding in the visual arts and the societies that produced them, enables the student to make connections to contemporary society and culture, and increases individual aesthetic concepts. It satisfies an arts and humanities course requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

ART-102 **History of Western Art II**
3 Credits

ART-102 offers a historical overview of the development of Western painting, sculpture, and architecture from the Renaissance to the present with emphasis on the struggle to find a universal and unified visual language for a world of changing values, new institutions, and unprecedented diversity. This course creates a higher understanding of the parallels and interconnections of visual art and the societies that made them. It enables students to thoughtfully view creative expression in its communicative function in relation to contemporary society and culture. This course satisfies an arts and humanities course requirement for A.A. and A.S. degrees.

Lecture: 3 hours per week

ART-111 **Drawing I**
2 Credits

Drawing I 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.

Lecture/Lab: 4 hours per week

ART-112 **Drawing II**
2 Credits

ART-112 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. The course is fundamental for the Graphic Design program, for transfer programs in fine arts and architecture, and for personal enjoyment.

Lecture/Lab: 4 hours per week

Prerequisite: ART-111

ART-121 **2D/Design Foundations**
3 Credits

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. It is a required course in the Graphic Design program and for some transfer programs.

Lecture/Lab: 5 hours per week

ART-122 **3D/Design Foundations**
3 Credits

ART-122 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 and is a required course in the Graphic Design program and for some transfer programs.

Lecture/Lab: 5 hours per week

ART-210 2 credits

Illustration I

This course is an introduction to illustration from the perspective of a graphic design professional. Particular emphasis is placed on how to quickly and efficiently visualize and render objects, environments, and figures under real-world constraints of time, media, and imagination. This course is a real-media artistic construction course that uses paint, ink, pens, and pencils to teach fundamental skill sets that prepare students for subsequent courses and digital illustration.

Lecture: 1 hour per week

Lab: 3 hours per week

ART-211 2 credits

Illustration II

This course is a continuation of ART-210, emphasizing the skills necessary to creatively solve visual problems and meet deadlines. Included will be newspaper illustration, technical illustration, literary illustration, and statistical illustration. This is a required course in the Graphic Design program.

Recommended: ART-111

ART-217 3 Credits

Life Drawing I

Life Drawing I 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. ART-217 or ART-218 are required courses in the Graphic Design program.

Lecture/Lab: 5 hours per week

Prerequisites: ART-111 and ART-112

ART-218 3 Credits

Life Drawing II

Life Drawing II 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. ART-218 or ART-217 are required courses in the Graphic Design program.

Lecture/Lab: 5 hours per week

Prerequisites: ART-111 and ART-112

ART-231 3 Credits

Beginning Painting I

Beginning Painting I 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. ART-231 or ART-232 are required courses in the Graphic Design program. Class supplies are to be purchased by the student.

Lecture/Lab: 5 hours per week

ART-232 3 Credits

Beginning Painting II

ART-232 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. ART-232 or ART-231 are required courses in the Graphic Design program. Class supplies are to be purchased by the student.

Lecture/Lab: 5 hours per week

ART-241 3 Credits

Sculpture I

Sculpture I 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. It is a recommended elective for the Graphic Design program.

Lecture/Lab: 5 hours per week

ART-242 3 Credits

Sculpture II

ART-242 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. It is a recommended elective for the Graphic Design program.

Lecture/Lab: 5 hours per week

ART-245 3 Credits

Intermediate Painting I

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 and is a recommended elective for the Graphic Design program. Class supplies are to be purchased by the student.

Lecture/Lab: 5 hours per week

Prerequisites: ART-231 and ART-232

ART-246 3 Credits

Intermediate Painting II

Intermediate Painting II 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. It is a recommended elective for the Graphic Design program.

Lecture/Lab: 5 hours per week

Prerequisites: ART-231 and ART-232

ART-251 3 Credits

Printmaking I

Printmaking I 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-251 is a recommended elective for the Graphic Design program.

Lecture/Lab: 5 hours per week

ART-252 3 Credits

Printmaking II

Printmaking II 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-252 is a recommended elective for the Graphic Design program.

Lecture/Lab: 5 hours per week

ART-253 2 Credits

Letterform Design

ART-253 offers instruction in type styles and design. The course includes characteristics of letters in relationship to technical, free style, and creative letter rendering as they apply within the graphic design and illustration fields. Letterform Design provides a fundamental knowledge of hand lettering.

Lecture/Lab: 4 hours per week

ART-261 3 Credits

Ceramics I

Ceramics I 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. It is a recommended elective for the Graphic Design program and a fundamental course for transfer art majors or minors.

Lecture/Lab: 5 hours per week

ART-262 3 Credits

Ceramics II

ART-262 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 is a recommended elective for the Graphic Design program and may be repeated for a total of 12 credits.

Lecture/Lab: 5 hours per week

Prerequisite: ART-261

ART-281 3 Credits

Watercolor I

Watercolor I 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, explora-

tion, 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.

Lecture/Lab: 5 hours per week

ART-282 3 Credits

Watercolor II

ART-282 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.

Lecture/Lab: 5 hours per week

ART-285 3 Credits

Professional Practices

ART-285 is an elective for associate of art and associate of science degree majors. The 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 and 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.

Lecture: 3 hours per week

Prerequisite: Must be an Art major

AUTOMOTIVE TECHNOLOGY

NOTE: Course enrollment requires prior acceptance into the Automotive Technology program. Successful completion of each semester and/or permission of the instructor is required for enrollment in the next semester.

AUTO-105 1 Credit

Orientation, Safety, and General Shop Practices

This course will introduce students to on-campus services including the library and College Skills Center. It will teach students about the industry, including wages, job opportunities, and the nature of the work. This course will also give instruction about safety equipment and procedures. Instruction will be given in a variety of general shop practices such as drilling and tapping holes and drilling out broken bolts. Students will also work on Heli-coils, double flares, soldering, and the care of equipment and floors.

AUTO-113L 2 Credits

Automotive Lab I

This course gives students hands-on exposure in a shop setting to those subjects covered in AUTO-105 and AUTO-130 theory classes. Instruction utilizes a variety of mock-ups, training aids, components, and live work. The student will be able to explain and demonstrate proper safety precautions when lifting and supporting a vehicle, using tools and equipment, or handling asbestos-containing materials.

Lab: 105 hours total

AUTO-114L
2 Credits**Automotive Lab II**

This course gives students hands-on exposure in a shop setting to those subjects covered in AUTO-123 theory classes. Instruction utilizes a variety of mock-ups, training aids, components, and live work. The student will be able to explain and demonstrate proper safety precautions when lifting and supporting a vehicle, using tools and equipment, or handling asbestos-containing materials.

Lab: 105 hours total

AUTO-116L
5 Credits**Auto Lab**

This course will give students hands-on exposure in a shop setting to those subjects covered in AUTO-126 and AUTO-141 theory classes. The instruction will utilize a variety of mock-ups, training aids, components, and live work. The student will be able to explain and demonstrate proper safety precautions when lifting and supporting a vehicle, using tools and equipment, or handling asbestos-containing materials.

AUTO-123
5 Credits**Brakes/Powertrain**

This course will teach students the principles of hydraulic brakes and friction, as well as the operation and construction of drum and disc brake systems. Students will also learn the operation, construction and repair of clutch systems, drivelines, and constant velocity joints.

AUTO-126 **Steering, Suspension, and Alignment**
3 Credits

This course will teach the various steering and suspension systems used on today's cars and light trucks. The construction, service, and repair of components will be taught along with their relation to the steering geometry of the vehicle. In-depth instruction will be given to four-wheel alignment principles using the Hunter D-111 Computerized Alignment machine.

AUTO-130
4 Credits**Gas Engine Fundamentals**

This course will teach the student how to identify, repair, or replace components as necessary on gasoline engines. The four-stroke cycle and accompanying valve action will be taught, as well as the construction, operation, and servicing of cooling and lubrication systems. The student will learn proper engine disassembly, measuring, machining, and assembly procedures.

AUTO-141
6 Credits**Electrical System Fundamentals**

This course will cover basic electrical theory, including types of circuits and components, as well as batteries, starter, and charging systems. Students will also learn about wiring schematics and diagrams, along with the 25 most common car wiring systems.

AUTO-210
2 Credits**Advanced Electrical**

Students will explore a variety of accessory electrical circuits. Some of these include windshield wipers, power windows, door locks, seats, and cruise control systems, as well as in-depth instruction on troubleshooting procedures and theories.

AUTO-215L
5 Credits**Advanced Auto Lab**

Students will perform troubleshooting on computerized engine controls on live vehicles that have been "bugged" by the instructor. Students will use various scanners and electronic test equipment typically used in the industry to diagnose the "bugs."

AUTO-216L
5 Credits**Advanced Auto Lab**

This course will give students hands-on exposure in a shop setting to those subjects covered in AUTO-260, AUTO-270, and AUTO-280 theory classes. Instruction will utilize a variety of mock-ups, training aids, components, and live work.

AUTO-222
5 Credits**Engine Performance**

This course will teach basic combustion theory, general tune-up procedures, as well as the various ignition systems used on today's cars. The use of electronic engine analyzers and the reading of scope patterns will also be taught. Instruction will include emission control systems and related regulations, as well as the use of the four-gas analyzer. Students will learn about "drivability" and how each of the systems work together to produce it.

AUTO-250
2 Credits**Computer Controls**

The theory and systems of automotive computer controls will be covered including the various sensors and output devices. The use of scanners, computerized engine analyzers, and a multitude of special tools will also be taught.

AUTO-260
4 Credits**Computer Controlled Systems**

Students will receive instruction on various automobile systems that are computer controlled such as fuel injection, anti-lock brakes, supplemental inflatable restraints, On-Board Diagnostics (OBD) II and III, and current industry trends.

AUTO-270
4 Credits**Trans/Transaxle**

This course will cover the general theory of manual and automatic transmission and transaxle operation, as well as differential and four-wheel drive systems. Students will learn appropriate testing, disassembly, and repair procedures.

AUTO-280 **Heating, Ventilation, and Air Conditioning**
2 Credits

Students will receive instruction in heating and air conditioning theory, as well as the use of equipment related to the evacuating, recycling, and recharging of air conditioning systems. The course will cover both R-12 and R-134A refrigerant handling.

BIOLOGY**BIOL-100**
4 Credits**Fundamentals of Biology**

This introductory 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.

Upon completion of BIOL-115 or BIOL-175, BIOL-100 will count as elective science credits only and will not satisfy core lab science credits. This course may not be accepted as fulfilling biology course requirements for biology majors or some medical programs. Students should get clearance from their prospective transfer institution prior to taking this course. This course satisfies a laboratory science course requirement for the A.S., A.A., and A.A.S. degrees except after completing BIOL-115 or BIOL-175.

Lecture: 3 hours per week

Corequisite Lab: 2 hours per week (BIOL-100L)

BIOL-101 **Forestry Orientation**
 1 Credit

BIOL-101 is an introduction to forestry and related natural resources management professions. Students will explore various career opportunities in natural resource management. This course does not fulfill a lab science requirement for an associate's degree.

Lecture: 1 hour per week

BIOL-105 **Health Talk Seminar Series**
 1 Credit

This course is a seven evening exploration into conditions which affect our health and well being. It is presented in a seminar fashion with questions and answers following presentations by guest speakers. Seven topics will be selected from subjects such as depression, hypertension, cardiovascular disease, stroke, diabetes, obesity, arthritis, Parkinson's disease, food allergies, asthma, osteoporosis, multiple sclerosis, eye disorders, back problems, and sinus conditions.

Lecture: 14 hours per semester

BIOL-115 **Introduction to Life Sciences**
 4 Credits

BIOL-115 is an introduction to the fundamental principles that govern living organisms, including molecular biology, cell biology, homeostasis, reproduction, genetics, and evolution. **Upon completion of BIOL-100 or BIOL-175, BIOL-115 will count as elective science credits only and will not satisfy core lab science credits.** It satisfies a laboratory science course requirement for the A.S. and A.A. degrees.

Lecture: 4 hours per week

Corequisite Lab: 3 hours per week (BIOL-115L)

Recommended: One year of high school biology or chemistry

BIOL-170 **Introductory Foods**
 3 Credits

This course will cover the composition of food and the chemical and biological changes that occur in food preparation.

Lecture: 3 hours per week

BIOL-170L **Introductory Foods Lab**
 1 Credit

This is a lab setting to explore the composition of food and the chemical and biological properties that occur in food preparation.

Lab: 2 hours per week

BIOL-175 **Human Biology**
 4 Credits

This introductory 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.

Upon completion of BIOL-100 or BIOL-115, BIOL-175 will count as elective science credits only and will not satisfy core lab science credits. This course may not be accepted as fulfilling the course requirements for some medical programs. Students should get clearance from their prospective transfer institution prior to taking this course. This course satisfies lab science course requirements for the A.A., A.S., and A.A.S. degrees except after completing BIOL-100 or BIOL-115.

Lecture: 3 hours per week

Corequisite Lab: 3 hours per week (BIOL-175L)

BIOL-202 **General Zoology**
 4 Credits

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. Students should get clearance from their prospective transfer institution prior to taking this course to assure that it is a requirement. This course fulfills a laboratory science requirement for the A.S., A.A. and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: Two 2-hour labs per week (BIOL-202L)

Recommended: BIOL-100 or BIOL-115

BIOL-203 **General Botany**
 4 Credits

BIOL-203 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. BIOL-203 satisfies a lab science course requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: One 3-hour lab per week (BIOL-203L)

Recommended: BIOL-100 or BIOL-115

BIOL-207 **Concepts in Human Nutrition**
 3 Credits

BIOL-207 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. This course does not fulfill a lab science requirement for an associate's degree.

Lecture: 3 hours per week

BIOL-221 **Forest Ecology (Same as BIOL-231)**
 4 Credits

Forest Ecology 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. It fulfills a science requirement for the A.A., A.S., and A.A.S. degree. This course is designed for forestry and biology majors with applications for pre-agriculture, zoology, environmental science, and botany disciplines.

Lecture: 3 hours per week

Corequisite Lab: 3 hours per week (BIOL-221L)

Prerequisite: BIOL-115

BIOL-227 **Human Anatomy and Physiology I with Cadaver**
 4 Credits

This course offers a homeostatic approach to the study of the hu-

man 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. This course fulfills a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: 3 hours per week (BIOL-227L)

Recommended: BIOL-100 or BIOL-175

BIOL-228 **Human Anatomy and Physiology II with Cadaver**

4 Credits

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. It fulfills a laboratory science requirement for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week

Prerequisite: Complete BIOL-227 with a minimum grade of C-

Corequisite Lab: 3 hours per week (BIOL-228L)

BIOL-231 **General Ecology (Same as BIOL-221)**

4 Credits

This introductory course shows relationships between living and non-living components of the environment. It examines the processes which influence the distribution of plant and animal communities. It provides an exposure to the fundamental principles of ecology in natural resource management. This course is designed for forestry and biology majors with applications for pre-agriculture, zoology, environmental science, and botany disciplines. This course fulfills a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: 3 hours per week (BIOL-231L)

Prerequisite: BIOL-100 or BIOL-115

BIOL-241 **Systematic Botany**

4 Credits

BIOL-241 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. BIOL-241 fulfills a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 2 hours per week

Corequisite Lab: Two 2-hour labs per week (BIOL-241L)

Recommended: BIOL-100 or BIOL-115

BIOL-250 **General Microbiology**

4 Credits

This course is an introductory survey of microorganisms empha-

sizing 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. BIOL-250 satisfies a laboratory science course requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: 3 hours per week (BIOL-250L)

Recommended: BIOL-100 or BIOL-115; CHEM-101

BIOL-251 **Principles of Range Resources Management**

2 Credits

BIOL-251 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. It does not satisfy a laboratory science requirement for an associate's degree.

Lecture: 2 hours per week

Prerequisite: BIOL-100 or BIOL-115

BIOL-255 **Microbial Diseases**

3 Credits

This course is a natural extension of any microbiology class emphasizing the principles of disease and epidemiology, microbial mechanisms of pathogenicity, nonspecific and specific defenses of the human host, and a survey of diseases from a human systematic approach. 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. In exploring the scientific material, application will be made to the art, history, literature, human rights issues, religions, and socioeconomics for a mature view of the human condition.

Lecture: 3 hours per week

Prerequisite: BIOL-250

BIOL-260 **Human Cadaver Prosection I**

2 Credits

Supervised cadaver dissections 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.

Lab: 3 hours per week

BIOL-261 **Human Cadaver Prosection II**

2 Credits

Supervised cadaver dissections 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.

Lab: 3 hours per week

BIOL-290 **Principles of Wildlife Biology**
2 Credits

This course introduces the principles of wildlife ecology including such topics as basic ecological laws, wildlife biology, and management of wildlife populations. This course does not satisfy a laboratory science requirement for an associate's degree.

Lecture: 2 hours per week

Prerequisite: BIOL-100 or BIOL-115

Recommended: BIOL-202 or BIOL-203

BUSINESS ADMINISTRATION**BUSA-100** **Introduction to Computers**
3 Credits

BUSA-100 is the study of computer systems and applications. This course includes computer terminology, an introduction to computer hardware, application and system software, and Internet concepts. It also includes societal issues and concerns of security, privacy, computer crime, and viruses. This course is required for the Business Administration, Business Education, and Accounting Assistant programs. It meets the computer science requirement for the A.A. degree.

Lecture: 3 hours per week

BUSA-101 **Introduction to Business**
3 Credits

BUSA-101 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.

Lecture: 3 hours per week

Recommended: MATH-025

BUSA-180 **Personal Finance**
1 Credit

Personal Finance 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.

Lecture: 15 hours

BUSA-211 **Principles of Management**
3 Credits

BUSA-211 provides 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. Prior completion of other courses is not required.

Lecture: 3 hours per week

BUSA-221 **Principles of Marketing**
3 Credits

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.

Lecture: 3 hours per week

BUSA-234 **Ethical Conduct in Business**
3 Credits

BUSA-234 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.

Lecture: 3 hours per week

BUSA-236 **Introduction to Finance**
3 Credits

This course provides students with general concepts, processes, and tools necessary for the financial management of a business enterprise. The course also discusses the financial/business environment in which an enterprise operates. The course is designed to give students with a wide variety of backgrounds and interests a foundational knowledge about the world of finance. Topics covered include time value of money, risk and return, capital asset pricing model (CAPM), cost of capital, and other topics.

Lecture: 3 hours per week

Prerequisite: Complete MATH-108 or higher with a minimum grade of C-.

BUSA-240 **Computer Systems and Business Applications**
3 Credits

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. This is a highly recommended course for students majoring in the Business Administration and Business Education A.S. degree programs and meets the computer science requirements for the A.A. degree.

Lecture: 3 hours per week

Prerequisite: Math skills at a level equivalent to MATH-025 or higher

Recommended: Basic computer literacy skills (BUSA-100 or CS-100 or equivalent) and keyboarding skills (CAOT-112)

BUSA-250 International Business
3 Credits

This course provides an overview of the international business environment and conditions affecting firms that do business overseas. The course explores the economic and cultural context for global business, cross-border trade and investment, the global monetary system, and competition in the global environment. The course addresses issues of international marketing, research and development, production and operations management, and human resource management. This course is useful for those who are considering a career in business or who want an overview of what the study of international business encompasses.

Lecture: 3 hours per week

Prerequisite: BUSA-101

BUSA-255 E-Commerce
3 Credits

This is a principles course in e-commerce covering the business strategies used in e-commerce and the technology needs. The course focuses on entry strategies, emerging web-based business models, legal and privacy issues, online payment systems, as well as contemporary web marketing, regulatory, technological, social, and ethical issues. Website development processes and website architectures are also presented. The course provides a solid foundation in conducting business in the networked economy. Emphasis is placed on online consumer behavior, customer service, online order and fulfillment, as well as capital and human infrastructure needs to make effective business decisions. This course should be of interest to students pursuing a career in business or anyone considering launching a web-based business, using e-commerce as a component of a traditional business or pursuing employment in occupations that involve e-commerce activities.

Lecture: 3 hours per week

BUSA-260 Principles of Banking
3 Credits

Principles of Banking is an introduction to basic money, banking, and financial market concepts. The course includes an analysis of financial instruments, markets, and interest rates. In addition, depository institutions and the financial industry structure is discussed. A brief review of bonds and stock and the role the equity markets play in the banking sector is included, along with a look at various risk management tools such as futures, options, and swaps.

Lecture: 3 hours per week

BUSA-265 Legal Environment of Business
3 Credits

BUSA-265 provides an introduction to the areas of law including contracts and torts which apply most closely to businesses.

Lecture/Lab: 3 hours per week

BUSA-271 Statistical Inference and Decision Analysis
4 Credits

BUSA-271 is an introduction to statistical methods used to describe and analyze data. It emphasizes recognizing types of problems and their solutions, and provides the student with an understanding of probability, decision theory, confidence intervals, sampling, hypothesis testing, correlation, regression, and nonparametric techniques. This course is a required course in the Business Administration program. Credit is not allowed for both BUSA-271 and BUSA-251 or MATH-253.

Lecture/Lab: 4 hours per week

Prerequisite: MATH-130, MATH-143, or MATH-147

BUSA-280 Investment and Retirement Planning
2 Credits

Investment and Retirement Planning will assist students in taking an active role in the planning process for their retirement. This course evaluates the problems associated with accumulating assets for retirement and managing assets to create and sustain retirement income. The course takes an in-depth look at the various investment products available as well as the associated risks. Students will have the opportunity to prepare a retirement plan “road map” designed to maximize assets and maintain a predetermined standard of living.

Lecture: 30 hours

BUSINESS LEADERSHIP
BLDR-105 Customer Service
3 Credits

This course gives participants the foundations for the skills and knowledge necessary to work effectively with customers. Topics include customer behavior, use of technology, diversity in customers, managing stress and time, ways to encourage customer loyalty, and how to communicate effectively with customers.

Lecture: 3 hours per week

BLDR-110 Supervisory Management
3 Credits

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.

Lecture: 3 hours per week

BLDR-112 Achieve Global
3 Credits

This course examines the principles and qualities of a good leader. This course will provide learners with the skills and strategies required to solve problems, deal with strong emotions, and handle conflicts skillfully and confidently. This course helps learners improve their listening skills and develop speaking techniques and strategies that achieve business results. Learners will also identify work priorities, set goals, learn ways to manage priorities, and learn ways to effectively deal with change.

Lecture: 3 hours per week

BLDR-122 Leadership
3 Credits

This course gives 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.

Lecture: 3 hours per week

BLDR-132 Employee Benefits and Compensation
3 Credits

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 regulations, group welfare plans, pension plans, and flexible benefit plans. Students will also explore the

impact of current trends.

Lecture: 3 hours per week

BLDR-140
3 Credits

Lean I

This course explores the basic concepts of Lean Manufacturing. The course provides an overview of lean and examines ways to build a lean culture in manufacturing. This course examines the use of teams, ways to run effective meetings, and covers the basic tools used when implementing lean. Throughout this course, students will have an opportunity to use the tools learned to improve processes at work.

Lecture/Lab: 60 hours

BLDR-142
2 Credits

Safety

This course covers the basic of safety in the workplace. Students will learn about fire safety, human health and wellbeing, ways to control energy, ways to keep customers and employees safe, and ways to prevent accidents.

Lecture: 2 hours per week

BLDR-144
2 Credits

Principles of Quality

This course explores the principles of quality including customer service, use of teams, and process improvement. Students will learn the importance of prevention and of process improvement. Students will also learn the principles of ISO and Six Sigma and how to incorporate these principles into the workplace.

Lecture: 2 hours per week

BLDR-150
3 Credits

Health Information Technology

This course introduces students to the general components of the content, use, and structure of health care data and the health information profession. Students will build basic skills in the compilation, processing, and maintenance of health records in accordance with the standards and regulations governing these functions and the use of technology.

Lecture: 3 hours per week

BLDR-160
3 Credits

Business Communications

This course will analyze business situations, determine the specific communication strategies required, the audience, and the purpose as you prepare the most effective business communication format to address the situation. Students will apply concepts to team collaboration, various types of business correspondence, report writing, and business presentations. Proofreading skills, word processing skills, and keyboarding skills are strongly recommended.

Lecture: 3 hours per week

BLDR-170
2 Credits

Personal Role in Business Success

This course assesses the role of business, its internal structures, and its relationship to the external environment. Students will analyze the supervisor's role in the functions of business management, employee management, and human resources management. Students will also learn the marketing, information technology, accounting and finance processes, and how they interact and drive business decisions.

Lecture: 2 hours per week

BLDR-214
3 Credits

Budget and Finance

This course examines the methods of budgeting and financing of an organization. Topics include financial statement analysis, basic accounting terminology, working capital management, and budget and trend analysis.

Lecture: 3 hours per week

BLDR-216
3 Credits

Legal Issues for Supervisors

This course provides an overview of the general legal responsibilities of an organization. It analyzes the current employment laws in the United States and their impact on employers and employees. Students will examine the supervisor's role in dealing with harassment and discrimination in the workplace.

Lecture: 3 hours per week

BLDR-222
3 Credits

Project Management

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.

Lecture: 3 hours per week

BLDR-225
3 Credits

Strategic Planning

This course covers the fundamentals of strategic planning to include ways to carefully and thoroughly examine external threats and opportunities and develop strategic plans including organization-wide plans with goals and objectives. Participants will learn to use strategic thinking in their day-to-day work lives and learn how to be part of the strategic planning team. Participants will also learn the importance of and ways to carry out and monitor the strategic plan.

Lecture: 3 hours per week

BLDR-240
3 Credits

Lean II

This course starts where Lean I left off. Further use of the Lean/Six Sigma tools is incorporated into actual work practices. Students will learn how to gather data, present data using charts and graphs, evaluate data, and make recommended improvements. Students will learn how to run a live Lean Team meeting where they will present data found in their own company and make recommendations for improvement.

Lecture/Lab: 60 hours

Prerequisite: BLDR-140

BLDR-242 **Inventory and Supply Chain Management**
2 Credits

This course covers the basics of supply chain management by examining ways to control and manage inventory, create flow, and set up efficient storage and retrieval systems. This course also examines logistics, freight management, and ways to control transportation costs. Students will learn how to develop a basic contract with vendors and suppliers and practice negotiating skills.

Lecture: 2 hours per week

BUSINESS MANAGEMENT

BMGT-210
1 Credit

How to Start a Small Business

This course provides a practical guide to the process of successfully launching and growing a small business. The course will cover a broad range of topics from opportunity recognition and feasibility

analysis, assessing the financial viability, developing the necessary plans to secure financing and facilities, developing strategies to compete in the marketplace, and the process involved to meet the challenge of building a new venture team and planning for growth.

Lecture: 15 hours

BMGT-220 Business Plan Development
2 Credits

This course covers the important topic of writing a business plan, which is a step that all start-up firms should do. Topics include the reasons for writing a business plan, a description of the audience for the business plan, what the audience is looking for, and guidelines to follow when preparing a written business plan. Students will work with an outline for preparing a business plan and develop the material for each section and then cover strategies for presenting the plan to the target audience.

Lecture: 30 hours

BMGT-230 Introduction to Entrepreneurship
3 Credits

This course gives students an understanding of the entrepreneurial process. It will include a discussion of entrepreneurship, the characteristics of successful entrepreneurs, the role of entrepreneurship in the economy, and practical financial and business considerations for the successful entrepreneur.

Lecture: 3 hours per week

BMGT-256 Problem Solving Through Team Dynamics
3 Credits

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.

Lecture: 3 hours per week

BMGT-260 Human Resource Management
3 Credits

This is an introductory course 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. Prior completion of other courses is not required.

Lecture: 3 hours per week

BMGT-266 Small Business and Entrepreneurial Management
3 Credits

This is an intensive course that applies management and marketing concepts to planning, owning, and operating a small business. Topics covered include entrepreneurial opportunities, developing a business plan, marketing and management, financial management, and the social and legal environment of business. A major emphasis is on the business plan. Some knowledge of accounting, management, and marketing are recommended.

Lecture: 3 hours per week

BUSINESS MARKETING

BMKT-231 Principles of Retailing
3 Credits

This is an introductory course that provides an opportunity to

explore the strategies and practices within retail and service industries. Students begin to develop the skills necessary to make efficient and productive decisions. Topics include retail marketing analysis and segmentation, buying and selling, inventory planning and control, and price setting and adjustment. The focus is on the evaluation of the role of a retail and service enterprise within a given economy through self-directed/team building activities. The course creates an awareness of the operational and administrative activities of a marketing manager and helps to upgrade marketing skills.

Lecture: 3 hours per week

BMKT-241 Fundamentals of Promotion and Advertising
3 Credits

This introductory course presents an overview of the basic principles and procedures in promoting a product, service, or idea. Principles covered include target marketing positioning, buyer behavior, creative development (copy writing, art direction, and production), media planning and selection, and measurement of promotional effectiveness and related cost. Emphasis is placed on small business budgets. Prior completion of other courses is not required.

Lecture: 3 hours per week

BMKT-261 Principles of Professional Selling
3 Credits

Offered Upon Demand

This is an introductory course in the fundamentals of selling and sales management. The course explores the evolution of selling techniques, learning selling skills, communicating messages, and the buying decision process. Students will learn how to apply a wide range of selling skills and how to prepare a sales demonstration. There will be some discussion on managing a sales force. Prior completion of other courses is not required.

Lecture: 3 hours per week

CARPENTRY

NOTE: Course enrollment requires prior acceptance into the Carpentry program. Successful completion of each semester and/or permission of the instructor is required for enrollment in the next semester.

CARP-141 Introduction to Residential Carpentry
3 Credits

CARP-141 is a four-week course introducing 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 house plans and blueprints, applicable building codes, house 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.

Lecture: 8 hours per week

Lab: 8 hours per week

CARP-142 Safe and Savvy Tool Use
3 Credits

CARP-142 is a four-week course that 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

excavation, through concrete footings and foundation, ending the term with a framed house.

Lab: 10 hours per week

Prerequisites: CARP-141 and CARP-142

Corequisites: CARP-143 and CARP-144

Recommended: CARP-145 and CARP-146

CARP-153 **Carpentry Theory III** 8 Credits

Topics covered in this course will coincide with the raffle house project. Such areas as stair layout, roofing, drywall, and interior/exterior finish will be the primary focus. As time permits, new materials and techniques, commercial construction applications, and related construction areas may be examined. Safety aspects will be covered throughout.

CARP-153L **Carpentry Laboratory III** 8 Credits

As the project house nears completion, students will focus on sharpening and refining those skills taught in previous courses as well as applying new concepts such as drywall, siding, and exterior/interior finish. As students prepare to find jobs in the carpentry field, emphasis will be placed on work ethics, habits, and teamwork. Depending on the progress of the project house, other carpentry projects that benefit the NIC campus or the local Coeur d'Alene community may be introduced.

CARP-251 **Carpentry Management I** 4 Credits

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 students' individual preferences. Weekly seminars will provide opportunities for students to share experiences, debrief, and obtain faculty assistance in applying theory concepts to field experience.

Prerequisite: Successful completion of the first year of the Carpentry program and instructor permission

CARP-252 **Carpentry Management II** 4 Credits

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.

Prerequisite: Successful completion of the first year of the Carpentry program and instructor permission

CHEMISTRY

CHEM-100 **Concepts of Chemistry I** 4 Credits

CHEM-100 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. CHEM-100 fulfills a laboratory science course requirement for the A.S. and A.A. degrees.

Lecture: 3 hours per week

Corequisite Lab: CHEM-100L

CHEM-101 **Introduction to Essentials of General Chemistry I** 4 Credits

CHEM-101 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. Upon completion of CHEM-101, CHEM-100 will count as elective sciences credits only and will not satisfy core lab science credits. This course satisfies a laboratory science course requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: CHEM-101L

Prerequisite: MATH-025 or higher with grade of C- or better or COMPASS Algebra >40, ACT Math >18, or SAT Math >430

CHEM-102 **Introduction to Essentials of General Chemistry II** 4 Credits

CHEM-102 is a continuation of CHEM-101 and surveys basic concepts of organic and biochemistry. It is designed for health science degrees and to satisfy general core requirements. CHEM-102 satisfies a laboratory science requirement for the A.S. and A.A. degrees.

Lecture: 3 hours per week

Corequisite Lab: CHEM-102L (3 hours per week)

Prerequisite: CHEM-101 or passing scores on an ACS examination held during the first week the class meets and an assessment of laboratory skills equivalent to CHEM-101L

CHEM-105 **General, Organic, and Biochemistry** 4 Credits

This introductory 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. CHEM-105 will count as elective science credits only and will not satisfy core lab science credits. CHEM-105 will not satisfy the chemistry prerequisite for CHEM-111.

Lecture: 3 hours per week

Corequisite Lab: CHEM-105L (3 hours per week)

Prerequisite: MATH-025 with a grade of C- or higher or earn appropriate test score COMPASS Algebra >40, ACT >18, or SAT >430

CHEM-111 **Principles of General College Chemistry I** 5 Credits

CHEM-111 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. CHEM-111 satisfies a laboratory science requirement for the A.S., A.A., and A.A.S. degrees, and is a required course for many transfer degree programs in sciences and engineering.

Lecture: 4 hours per week

Corequisite Lab: CHEM-111L (3 hours per week)

Prerequisite: MATH-108 or COMPASS Algebra >45, ACT Math >19, or SAT Math >460

CHEM-112 **Principles of General College Chemistry II**
5 Credits

CHEM-112 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. CHEM-112 satisfies a laboratory science course requirement for the A.S., A.A., and A.A.S. degrees and is a required course for many transfer degree programs in sciences and engineering.

Lecture: 4 hours per week

Corequisite Lab: CHEM-112L (3 hours per week)

Prerequisites: CHEM-111 and CHEM-111L

CHEM-253 **Quantitative Analysis**
5 Credits

CHEM-253 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.

Lecture: 3 hours per week

Corequisite Lab: CHEM-253L (two 3-hour labs per week)

Prerequisite: CHEM-112 with a grade of C or better

CHEM-275 **Carbon Compounds**
3 Credits

This course introduces students to aspects of organic chemistry important to life sciences. The course covers the structure, nomenclature, and physical and chemical organic compounds.

Lecture: 3 hours per week

Prerequisite: CHEM-101 or CHEM-111 with a grade of C or better

CHEM-277 **Organic Chemistry I**
3 Credits

CHEM-277 is the first course in a two-semester sequence of a comprehensive study of the principles and theories of organic chemistry emphasizing properties, synthesis structures, and reactions of organic compounds. CHEM-277 and CHEM-287 are required courses for transfer degree programs in chemistry, medicine, dentistry, pharmacy, some engineering programs, and related fields.

Lecture: 3 hours per week

Recommended: CHEM-278 (3 hours per week) is highly recommended, but not required

Prerequisite: CHEM-112 with a grade of C- or better

CHEM-278 **Organic Chemistry I Lab**
1 Credit

CHEM-278 is the laboratory that accompanies CHEM-277. It is an introduction to organic laboratory techniques and spectroscopy, including organic compound synthesis. This course consists of three hours of laboratory per week.

Prerequisite: Prior successful completion or concurrent enrollment in CHEM-277

CHEM-287 **Organic Chemistry II**
3 Credits

CHEM-287 is a continuation of CHEM-277 and includes an introduction to biological molecules.

Lecture: 3 hours per week

Recommended: Concurrent enrollment in CHEM-288 (3 hours per week) is highly recommended, but not required

Prerequisite: CHEM-277

CHEM-288 **Organic Chemistry II Lab**
1 Credit

CHEM-288 is the laboratory that accompanies CHEM-287. It is a continuation of organic synthesis and spectroscopy. This course consists of three hours of laboratory per week.

Prerequisite: CHEM-278 and prior successful completion or concurrent enrollment in CHEM-287

CHILD DEVELOPMENT

CHD-110 **Child Health and Safety**
3 Credits

This course introduces the student to essentials in creating a safe and healthy environment for young children, birth to age 8, both typically and atypically developing. Students will explore both the indoor and outdoor environment and learn how to promote health and nutrition in the classroom, prevent illnesses and reduce injuries, and create mentally healthy environments.

Lecture: 3 hours per week

CHD-115 **Early Childhood Curriculum**
3 Credits

Students 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. Prior completion or concurrent enrollment in CHD-134 is encouraged, but not required.

Lecture: 3 hours per week

CHD-134 **Infancy through Middle Childhood**
3 Credits

CHD-134 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 family and social issues. This is a required course for the Child Development program and is strongly recommended for elementary education majors.

Lecture: 3 hours per week

CHD-150 **Professional Partnerships - Families, Schools, and Community**
3 Credits

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.

Lecture: 3 hours per week

CHD-235 **Observation and Assessment**
3 Credits

CHD-235 provides students with the skills necessary to observe, record, and interpret the behavior of young children.

Lecture: 2 hour lecture and 2 hour lab each week

Prerequisite: CHD-134

CHD-243 **Early Childhood Education**
3 Credits

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 8 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.

Lecture: 3 hours per week

CHD-254 **Child Guidance Theory**
3 Credits

Techniques are examined 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. It is a required course for the Child Development program and is strongly recommended for elementary education majors. Prior completion or concurrent enrollment in CHD-134 is encouraged, but not required.

Lecture: 3 hours per week

CHD-298A **Child Development Practicum A**
3 Credits

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.A or A.S. Child Development program. Students gain practical experience planning, preparing, and implementing curriculum, practicing behavior guidance techniques, working with families, and discussing how to meet the individual needs of children with varying abilities. It is a required course for the Child Development program.

Lecture: 2 seminar hours per week and 4 classroom hours per week

Prerequisite: CHD-134

CHD-298B **Child Development Practicum B**
3 Credits

CHD-298B offers continued experience working with young children in a supervised setting. Students may be placed in an approved off-campus early childhood setting or continue practice at the NIC Children's Center. Emphasis is on practicing skills in curriculum development, behavior guidance, and working with families of young children both typically and atypically developing.

Lecture/Lab: 6 hours per week

Prerequisites: CHD-134 and CHD-298A

CHD-298C **Child Development Practicum C**
3 Credits

CHD-298C is the final experience working directly with young children in a supervised setting in the NIC Children's Center or in an approved off-campus setting. Students continue practicing

skills in curriculum development, behavior guidance, assessment, and working with families of young children of varying abilities.

Lecture: 2 hours per week and lab 4 hours per week

Prerequisites: CHD-134 and CHD-298B

CHD-298D **Child Development Practicum D**
5 Credits

CHD-298D 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.

Lecture/Lab: 6 hours per week

Prerequisite: CHD-134 with a grade of C- or higher

CINEMA ARTS

CINA-126 **Film and International Culture**
3 Credits **(same as HUMS-126)**

This course presents films as artifacts of culture and history, examines foreign and North American films, and evaluates selected critical readings to promote meaningful comparative analysis. It focuses on becoming more critically aware of the rich and diverse forms of cinematic expression, developing an appreciation for responses to visual imagery, and using basic concepts of film theory and cultural analysis to enrich the viewing experience. The concepts and methods introduced have applications to careers in broadcasting, graphic design, public relations, journalism, and corporate communications. This course is required for transfer into radio/television programs. It satisfies an arts and humanities course requirement for the A.S. and A.A. degrees.

Lecture: 3 hours per week

Corequisite: CINA-126L

COLLEGE SKILLS

CSC-013 **Reading Comprehension and**
3 Credits **Vocabulary Development**

CSC-013 is designed to enhance reading and vocabulary skills with an emphasis on comprehension of expressed and implied main ideas. The course also focuses on developing vocabulary skills including contextual clues, synonyms, antonyms, and affixes. Enrollment is based on a COMPASS score of 61–80. This course does not fulfill degree requirements.

CSC-043 **Reading in Applied Technology**
1 Credit

This course is designed to improve reading skills when using technical materials. This course emphasizes learning for critical and efficient reading, including reading for information, following directions, critical reading, checking information, drawing conclusions, vocabulary acquisition, and comprehending graphics in technical materials. Enrollment is based on a COMPASS score below 80.

CSC-100 College Transition
1 Credit

This course is designed to provide the student with a general introduction and transition to the college experience. It will assist students in developing a meaningful education plan in accordance with their personal values, needs, and career goals. This course will orient students to the processes, resources, and multiple services available at North Idaho College.

Lecture: 1 hour per week

CSC-104 College Reading
2 Credits

CSC-104 is a college-level reading course designed for the skilled reader who would like to learn strategies for improving reading comprehension, enhancing textbook reading skills, and developing flexible reading rates. Reading techniques are applied to reading assignments in content areas such as sciences, social sciences, and humanities. The course is taught using lecture, computer-aided instruction, and small group participation.

Lecture: 2 hours per week

Prerequisite: College level reading ability verified with appropriate placement test scores

CSC-105 College Study Skills
2 Credits

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.

Lecture: 2 hours per week

CSC-106 College Internet Skills
1 Credit

This course covers the basics of taking an interactive course via the Internet. Students will learn how to use NIC's learning management system for Internet classes. This involves developing skills in the use of email, online discussion boards, World Wide Web access, equipment needs, and navigating an online course. Students 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 course provides an excellent opportunity to learn how to navigate classes for future Internet coursework.

Lecture: 16 hours

CSC-107 College Educational Technology Skills
1 Credit

This course is designed to introduce students to Dragon Naturally Speaking Voice Recognition software and Kurzweil 3000 scan and read software. Following the introduction of both programs, students will have the choice of focusing on the one program that best meets their needs and interests.

Lecture: 16 hours

CSC-108 Tutoring Skills
1 Credit

This course provides an introduction to learning theories, styles, and techniques as related to tutoring. 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 provides participants with leadership and communication skills that may be applied throughout the college experience. Stu-

dents do not need to be a peer tutor to be enrolled in this course.

Lecture: 16 hours

CSC-109 TRIO Peer Tutoring, Level I
1 Credit

This course is designed to prepare peer tutors for their role as a tutor. This course provides instruction in practical tutoring techniques and processes essential for tutoring success. Students will become knowledgeable about tutoring responsibilities, tutoring methodology, learning differences, boundaries, and assistive technology. Experiential learning activities will be used to develop communication, critical thinking, problem solving skills, and diversity awareness.

Lecture: 4 hours per day for 1 week

CSC-110 TRIO Peer Tutoring, Level II
1 Credit

This course is designed to prepare peer tutors for their role as tutors. This course provides instruction in practical tutoring techniques and processes essential for tutoring success. Students will become knowledgeable about tutoring methodology, leadership, adult learners, at-risk students, cultural differences, and advanced tutoring strategies. Experiential learning activities will be used to develop communication, critical thinking, problem solving skills, and diversity awareness.

Lecture: 4 hours per day for 1 week

Prerequisite: CSC-109 with a minimum grade of C

CSC-111 TRIO Peer Mentor Training
1 Credit

This course is designed to prepare peer tutors for their role as mentors. This course provides instruction in practical mentoring techniques and processes essential for mentoring success. Students will become knowledgeable about mentoring responsibilities, tutoring methodology, learning differences, boundaries, coaching, relationships, assistive technology, and campus and community resources. Experiential learning activities will be used to develop communication, critical thinking, problem solving skills, and diversity awareness.

Lecture: 4 hours per day for 1 week

COLLISION REPAIR TECHNOLOGY

NOTE: Course enrollment requires prior acceptance into the Collision Repair Technology program. Successful completion of each semester and/or permission of the instructor is required for enrollment in the next semester.

ACRR-161 Exterior and Interior Renovation
1 Credit

Exterior and Interior Renovation provides 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.

Lecture: 1 hour per week for 2 weeks

ACRR-162 Fundamentals of Collision Repair
4 Credits

Fundamentals of Collision Repair provides classroom introduction and discussion related to the fundamentals of collision repair, welding, trim and hardware, and exterior panel repair for auto-

mobiles. Vehicle construction and terminology, collision energy management, automotive fasteners, and bolt-on replacement parts will also be covered in addition to health and safety issues.

Lecture: 4 hours per week for 7 weeks

ACRR-163 Damage Analysis and Small Dent Repair

2 Credits

Damage Analysis and Small Dent Repair provides 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.

Lecture: 2 hours per week for 3 weeks

ACRR-164 Introduction to Paint Refinishing

1 Credit

Introduction to Paint Refinishing provides 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.

Lecture: 1 hour per week for 3 weeks

ACRR-165L Collision Repair Lab I

6 Credits

Collision Repair Lab I 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.

Lab: 6 hours per week

ACRR-166L Collision Repair Lab II

5 Credits

This course is a continuation of the hands-on concepts covered in ACRR-165L and 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.

Lab: 5 hours per week

ACRR-171 Paint Refinishing Fundamentals

3 Credits

Paint Refinishing Fundamentals provides 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 in addition to health and safety issues.

Lecture: 3 hours per week for 5 weeks

ACRR-172 Damage Analysis and Estimating

2 Credits

Damage Analysis and Estimating provides 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 in addition to health and safety issues.

Lecture: 2 hours per week for 4 weeks

ACRR-173 Measurement and Structural Analysis

2 Credits

Measurement and Structural Analysis provides 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 in addition to health and safety issues.

Lecture: 2 hours per week for 4 weeks

ACRR-174 Surface Prep and Adhesive Bonding

1 Credit

Surface Prep and Adhesive Bonding provides classroom introduction and discussion related to adhesive bonding, and panel removal and installation will also be covered in addition to health and safety issues.

Lecture: 1 hour per week for 2 weeks

ACRR-175L Collision Repair Lab III

5 Credits

Collision Repair Lab III features hands-on shop experience in all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, and fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized. Health and safety practices are promoted.

Lab: 5 hours per week

ACRR-176L Collision Repair Lab IV

5 Credits

Collision Repair Lab IV 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.

Lecture: 5 hours per week

COMMUNICATION

COMM-101 Introduction to Speech Communication

3 Credits

This course introduces students to what communication is and how it affects human interaction. Emphasis is on public speaking with attention to audience analysis and 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; therefore, **course success relies strongly on college level reading and writing abilities**. This course is a requirement for both the A.A. and A.S. degrees.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS E-Write > 5, COMPASS Writing > 67, ACT > 7, SAT Verbal > 440, or a grade of C- or above in ENGL-099

Recommend: ENGL-101

COMM-103 Oral Interpretation

3 Credits

Making literature come alive through effective reading and 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-103 is a useful elective for elementary education, performing arts, literature, and communication majors, as well as for parents.

Lecture: 3 hours per week

COMM-111 Interview Techniques
2 Credits

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.

Lecture: 3 hours per week for 14 weeks

COMM-133 Improving Listening Skills
1 Credit

This course involves instruction in the skills necessary for effective listening. These skills apply to all aspects of life from the job to personal relationships. Listening is the most used (and least trained) of the four basic communication skills.

Lecture: 3 hours per week for 5 weeks

COMM-134 Nonverbal Communication
2 Credits

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 student’s own nonverbal communication style.

Lecture: 3 hours per week for 11 weeks

Recommended: Strong college-level reading and writing skills

COMM-209 Argumentation
3 Credits

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.

Lecture: 3 hours per week

Recommended: COMM-101 and strong college-level reading and writing skills

COMM-212 Nonverbal Communication
3 Credits

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 student’s own nonverbal communication style.

Lecture: 3 hours per week

COMM-220 Introduction to Intercultural Communication
3 Credits

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. This course satisfies the cultural diversity requirement for the A.A. degree and partially satisfies the arts and humanities requirement for the A.S. degree.

Lecture: 3 hours per week

Prerequisite: COMM-101

COMM-233 Interpersonal Communication
3 Credits

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. This is an excellent course for developing skills necessary for everyday life where relationships must be developed and maintained.

Lecture: 3 hours per week

COMM-236 Small Group Communication
3 Credits

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 others’ behaviors for success. The course will combine theory and practical application.

Lecture: 3 hours per week

COMPUTER AIDED DESIGN TECHNOLOGY

NOTE: Course enrollment requires prior acceptance into the Computer Aided Design Technology program. Successful completion of each semester and/or permission of the instructor is required for enrollment in the next semester.

CADT-102A Technical Sketching-Architectural Applications
2 Credits

CADT-102A is an introduction to the design principles and applications including terminology and fundamentals, including size and shape descriptions, projection methods, geometric construction, sections, auxiliary views, and reproduction processes.

Lecture/Lab: 3 hours per week

CADT-104A CAD Graphics I-Architectural Applications
2 Credits

CADT-104A 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.

Lecture/Lab: 6 hours per week

CADT-104M CAD Graphics I-Mechanical Applications
2 Credits

CADT-104M 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.

Lecture/Lab: 6 hours per week

CADT-105 **Descriptive Geometry**
3 Credits

CADT-105 focuses 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.

Lecture: 3 hours per week

CADT-106A **CAD Graphics II-Architectural Applications**
2 Credits

The primary focus of CADT-106A will be 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.

Lecture/Lab: 6 hours per week

Prerequisite: CADT-104A

CADT-106M **CAD Graphics II-Mechanical Applications**
2 Credits

CADT-106M 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 toward basic drawing solutions.

Lecture/Lab: 6 hours per week

Prerequisite: CADT-104M

CADT-109 **Basic Mechanical Design**
4 Credits

CADT-109 is developed for the second semester entry-level mechanical design student in the Computer Aided Design Technology program. The focus is to learn 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.

Lecture/Lab: 4 hours per week

Prerequisites: CADT-104M and CADT-106M with a minimum grade of C- or instructor permission

CADT-130 **History of Architecture**
2 Credits

CADT-130 is the study of architecture in America from the 17th century through the 20th century. Topics covering European influence, vernacular styles, architectural terminology, and an introduction to the architects who influenced design and construction in America will be included.

Lecture: 2 hours per week

CADT-131 **Residential Architecture I**
4 Credits

CADT-131 covers the fundamentals of architectural applications including terminology, media, line conventions, architectural lettering, scaling, floor plans, sections, elevations, and dimensioning techniques. Emphasis is placed on architectural standards.

Lecture/Lab: 5 hours per week

Prerequisites: CADT-102A, CADT-104A, and CADT-106A

CADT-201 **Architectural Print Reading and Estimating**
2 Credits

CADT-201 is an introduction to print reading and interpretation, layout, terminology, materials, construction methods, dimensions, symbols, building codes, estimating techniques, and methods of preparing estimates.

Lecture: 2 hours per week

Prerequisite: CADT-131 or instructor permission

CADT-202 **Residential Architecture II**
4 Credits

CADT-202 covers residential architectural standards, fixtures, floor plans, sections, elevations, stairs, roofs, and foundations. Primary focus is on wood construction. Included are residential construction techniques, terminology, and materials.

Lecture/Lab: 5 hours per week

Prerequisite: CADT-131 or instructor permission

CADT-203 **Light Commercial Architecture I**
3 Credits

CADT-203 focuses on commercial construction techniques, materials, fixtures, and codes. Development of various working drawings will be included.

Lecture/Lab: 4 hours per week

Prerequisite: CADT-131 or instructor permission

CADT-204 **Residential Architecture III**
4 Credits

CADT-204 covers residential architectural standards, fixtures, floor plans, sections, elevations, stairs, roofs, and foundations. Development of various working drawings will be included. This course is a continuation of CADT-202 - Residential Architecture II.

Lecture/Lab: 5 hours per week

Prerequisite: CADT-202 or instructor permission

CADT-205 **Light Commercial Architecture II**
3 Credits

CADT-205 focuses on commercial construction techniques including materials, fixtures, and codes. Development of various working drawings will be included. Various architectural software applications are utilized. This course is a continuation of CADT-203 - Light Commercial Architecture I.

Lecture/Lab: 4 hours per week

Prerequisite: CADT-202 or instructor permission

CADT-206 **Architectural Green Building and Sustainable Design**
2 Credits

CADT-206 covers architectural green building fundamentals and sustainable design. A component of study will include the Leadership in Energy and Environment Design (LEED). The latest edition of the International Residential Code (IRC) will be used as a resource.

Lecture: 2 hours per week

CADT-250
2 Credits
SolidWorks I

CADT-250 is an introduction to SolidWorks and presents fundamental principles toward feature-based parametric modeling and design. Emphasis will be on using basic tools toward the creation of parts, assemblies, and drawings.

Lecture/Lab: 3 hours per week

CADT-252
2 Credits
SolidWorks II

CADT-252 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.

Lecture/Lab: 3 hours per week

Prerequisite: CADT-250

CADT-253
3 Credits
Industrial Processes

CADT-253 introduces the product cycle theory in regard to Machine Control Processes via CAD/CAM/CAE methodology. CADT-253 is an exploratory/hands-on learning environment that includes 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.

Lecture: 3 hours per week

CADT-254
3 Credits
Power Transmission

CADT-254 is an introduction to kinematic analysis of mechanical mechanisms and the transmission of power. Using selected computer aided design programs, students will gain understanding of linkages, gears, cams, belts, and chain systems.

Lecture: 3 hours per week

Prerequisites: CADT-250, CADT-253, and MATH-024

Corequisites: CADT-257, MATH-143, and MATH-143D

CADT-254L
1 Credit
Power Transmission Lab

The Power Transmission Lab allows students hands-on experience on subjects covered in the Power Transmission theory course. Instruction will utilize a variety of mock-ups, training aids, and components related to gear drive mechanisms, cams, chain and belt drive systems, and transmission of power.

Lab: 2 hours per week

Corequisite: CADT-254

CADT-255 Geometric Dimensioning and Tolerancing
3 Credits

CADT-255 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.

Lecture: 3 hours per week

CADT-257
4 Credits
Advanced Mechanical Design

CADT-257 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 toward 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 to the class for their final grade. This final project will be at the student's own expense.

Lecture: 4 hours per week

Prerequisites: CADT-255 with a minimum grade of C- and/or instructor permission

CADT-261
3 Credits
Statics and Strengths of Materials

CADT-261 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.

Lecture: 3 hours per week

Prerequisites: MATH-143 and MATH-143D or higher, MATH-024 or higher, or instructor permission

COMPUTER APPLICATIONS OFFICE TECHNOLOGY

CAOT-100
1 Credit
Internet for Seniors 1

This course will cover the use of the Internet including information about the World Wide Web, connecting to and researching on the Internet, using email, exploring blogs, exploring copyright issues, and privacy and security concerns. This course is intended to provide students with the ability to become comfortable with using the Internet for personal and business reasons. This is a hands-on course using real-world personal and business websites and is a valuable course for those who want to gain a beginning knowledge of current Internet technology. Prior completion of other courses is not required.

CAOT-101
1 Credit
**Introduction to Computers
for Seniors 1**

CAOT-101 will cover understanding and using the computer for word processing and spreadsheets. Using MS Windows operating system, this course will include a basic understanding of Windows and file management, understanding and using text and graphics in Word, and understanding and using basic formulas and functions in Excel. A hands-on course using real-world applications and uses, it is a valuable course for those who want to gain a beginning knowledge of computer technology. Prior completion of other courses is not required.

CAOT-102
1 Credit
**Introduction to
Computers for Seniors 2**

This course covers intermediate understanding and use of the computer for word processing and spreadsheets and beginning presentations. This course will include a further understanding of text and graphics in Word, and understanding and using formulas and functions in Excel, and using PowerPoint templates and customizing slide shows. A hands-on course using real-world applications and uses, it is a valuable course for those who want to gain an intermediate knowledge of technology.

Recommended: CAOT-101

CAOT-103 **Word Processing/
MS Word for Seniors 1**
1 Credit

This course covers the understanding and use of word processing. It includes an understanding of MS Word and file management, using text and graphics in Word, and using basic creating, saving, editing, and printing features. This is a hands-on course using real-world applications. It is a valuable course for those who want to gain a beginning knowledge of word processing.

CAOT-104 **Emerging Technology for Seniors**
1 Credit

This course teaches senior citizens to take advantage of the educational and economic tools and opportunities presented by computer technology. Each semester the course will focus on a specific computer application or technology such as voice recognition software and video chat/conferencing software, or using hardware such as webcams, headsets, anti-virus software, working with accessibility software, and hardware for dexterity issues. Web search engine usage will be taught to provide the skills needed to obtain information pertinent to the 60 and older age group.

Lecture: 2 hours per week

Lab: 45 minutes per week

CAOT-110 **Windows 1**
1 Credit

CAOT-110 provides an introduction to the Windows operating system. The course includes utilizing and controlling windows, Help, file management using My Computer and Windows Explorer, sharing data between applications, printing using Print Manager, and working with the Control Panel. This course is useful for anyone who wants to learn how to use Windows software.

Recommended: Basic keyboarding

CAOT-111 **Windows 2**
1 Credit

CAOT-111 is a continuation of CAOT-110. It is a valuable resource for those who are looking to enhance their operating system experience with tips and tricks to add to the usefulness of their Windows knowledge. This course is intended to provide students with the ability to become comfortable using the Windows operating system for personal and business reasons. A hands-on course using real-world personal and business functions, it is a valuable course for those who want to gain more extensive knowledge of the current Windows technology.

Prerequisite: CAOT-110 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-112 **Keyboarding 1**
1 Credit

CAOT-112 provides introductory development of basic keyboarding skills. It proceeds from basic alphabetic keyboarding through numeric and symbolic keyboarding. Emphasis is placed on developing touch control of the keyboard using proper keyboarding techniques and building speed and accuracy. This is an important course for those who want to learn to key by touch and is especially useful for word processing. Prior completion of other courses is not required.

CAOT-113 **Keyboarding 2**
1 Credit

CAOT-113 is a continuation of CAOT-112. Emphasis is placed on improving keystroke efficiency and on reinforcing and building keying speed and accuracy.

Prerequisite: CAOT-112 with a minimum grade of C-. Students may

enroll and complete these courses during the same semester.

CAOT-114 **Internet 1**
1 Credit

This course will cover use of the Internet including information about the World Wide Web, connecting to and researching on the Internet, using email, exploring blogs, exploring copyright issues, and privacy and security concerns. This course is intended to provide students with the ability to become comfortable using the Internet for personal and business reasons. This is a hands-on course using real-world personal and business websites and is a valuable course for those who want to gain a beginning knowledge of current Internet technology. It is a required course in some Computer Applications and Office Technology programs. Prior completion of other courses is not required.

CAOT-115 **Outlook**
1 Credit

This course will introduce the functions used in Microsoft Outlook including email messages, calendar, contacts, tasks, journals, and notes. It is a required course in some Computer Application Office Technology programs. Prior completion of other courses is not required. This course is based on hardware and software that uses the Windows operating system.

CAOT-120 **Word Processing/Word 1**
1 Credit

CAOT-120 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. This is a required course in the Accounting Assistant and Resort Recreation Management programs. This course fulfills the first credit of the word processing requirement for the Computer Applications and Office Technology, Medical Assistant, and Business Education programs. This course is based on hardware and software that uses the Windows operating system.

Recommended: Completion of CAOT-112

CAOT-121 **Word Processing/Word 2**
1 Credit

CAOT-121 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. This course is based on hardware and software that uses the Windows operating system.

Prerequisites: CAOT-112 and CAOT-120 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-122 **Word Processing/Word 3**
1 Credit

CAOT-122 is a continuation of CAOT-121. This course provides instruction in advanced word processing functions including working with references, integrating Word with other programs, advanced graphics, forms, collaboration, and customizing Word. This course is based on hardware and software that uses the Windows operating system.

Prerequisite: CAOT-112 and CAOT-121 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-130 **Spreadsheets/Excel 1**
 1 Credit

CAOT-130 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. This course fulfills the first credit of the spreadsheets requirement for the Accounting Assistant and Computer Applications and Office Technology programs and the spreadsheet requirement for the Resort Recreation Management program. 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 2**
 1 Credit

CAOT-131 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 fulfills the second credit of the spreadsheets requirement for the Accounting Assistant and Computer Applications and Office Technology programs. This course is based on hardware and software that uses the Windows operating system.

Prerequisite: CAOT-130 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-132 **Spreadsheets/Excel 3**
 1 Credit

CAOT-132 is a continuation of CAOT-131. This course provides additional spreadsheets functions including using what-if analyses, pivottables, importing and exporting data, advanced worksheet management, and macros. This course fulfills the third credit of the spreadsheets requirement for the Accounting Assistant and Computer Applications and Office Technology programs. This course is based on hardware and software that uses the Windows operating system.

Prerequisite: CAOT-131 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-140 **Database/Access 1**
 1 Credit

CAOT-140 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 fulfills the first credit of the database requirement for Computer Applications and Office Technology and Resort Recreation Management programs. This course is based on hardware and software that uses the Windows operating system.

CAOT-141 **Database/Access 2**
 1 Credit

CAOT-141 is a continuation of CAOT-140. This hands-on course includes intermediate skills in database management software including advanced query, forms, and reports; importing and exporting data; working with wizards and design view; and analyzing data. This course fulfills the second credit of the database requirement for Computer Applications and Office Technology programs. This course is based on hardware and software that uses the Windows operating system.

Prerequisite: Complete CAOT-140 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-142 **Database/Access 3**
 1 Credit

CAOT-142 is a continuation of CAOT-141. This hands-on course includes advanced skills in database management software including advanced reports, managing database objectives, macros, modules, and maintaining a database. This course fulfills the third credit of the database requirement for Computer Applications and Office Technology programs. This course is based on hardware and software that uses the Windows operating system.

Prerequisite: Complete CAOT-141 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-150 **PowerPoint**
 1 Credit

CAOT-150 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 is a valuable course for those who want to learn how to use presentation software. This course can be an elective for the Computer Applications and Office Technology programs. This course is based on hardware and software that uses the Windows operating system.

Recommended: Some keyboarding proficiency

CAOT-160 **Desktop Publishing/Publisher 1**
 1 Credit

CAOT-160 provides an introduction to desktop publishing fundamentals using Microsoft Publisher. A hands-on course, it includes creating, storing, retrieving, editing, and printing business publications. This course is based on hardware and software that uses the Windows operating system.

Recommended: Some keyboarding proficiency

CAOT-161 **Desktop Publishing/Publisher 2**
 1 Credit

CAOT-161 is a continuation of CAOT-160. This course will take an intermediate look at desktop publishing using Microsoft Publisher. This course is hands-on and will further explore desktop publishing techniques and terminology. This is a valuable course for those who create in-house publications. This course is based on hardware and software that uses the Windows operating system.

Prerequisite: Complete CAOT-160 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-162 **Introduction to
Computer Applications**
 2 Credits

CAOT-162 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. No prior experience is necessary.

CAOT-164 **Computer Fundamentals for
Tech Programs**
 1 Credit

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.

Lecture: 1 hour per week

CAOT-165
1 Credit

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
1 Credit

This course covers the basics of the Internet, including networks and the Internet, email, 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.

Lecture: 1 hour per week

CAOT-168
3 Credits

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. This is a required course in the Medical Administrative Assistant, Medical Assistant, Medical Billing Specialist, Medical Receptionist, and the Business Leadership Medical/Healthcare Option programs.

Lecture: 3 hours per week

Prerequisite: CAOT-112

CAOT-179
2 Credits

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
1 Credit

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. This is a required course in the Medical Administrative Assistant, Medical Assistant, Medical Billing Specialist, Medical Receptionist, Medical Office Transcriptionist/Pre-Health Information Technology, and Medical Transcriptionist programs.

CAOT-183
3 Credits

This course deals with the principles of English grammar, punctua-

**Productivity Software
for Tech Programs**

tion, sentence structure, and usage necessary for preparation of all business communications with an emphasis on proofreading, spelling, and editing documents. This is a required course in Computer Applications and Office Technology programs. It is also useful for students who need to apply correct rules or the mechanics of our language to written communications.

Lecture: 3 hours per week

CAOT-184
3 Credits

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. This is a required course in Computer Applications and Office Technology programs.

Lecture: 3 hours per week

Prerequisite: CAOT-140

Pre/Corequisite: CAOT-120

CAOT-186
3 Credits

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-9-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. This is a required course in the Medical Administrative Assistant and Medical Billing Specialist programs.

Prerequisite: CAOT-179 with a minimum grade of C- or instructor permission

CAOT-190
1 Credit

This course provides supervised training in office skills through on-the-job experience. It provides a practical application of office skills learned in the Office Specialist/Receptionist program. Students work in an office environment six hours per week for eight weeks. Instructor permission is required.

On-the-Job Activities: 6 hours per week for 8 weeks

CAOT-191
3 Credits

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. This is a required course in the Medical Receptionist program and is graded on a satisfactory/unsatisfactory basis.

In-Office Work: 9 hours per week

Prerequisite: Complete CAOT-179 and CAOT-212 with a minimum grade of C- and instructor permission

Records Systems Management
Medical Coding
**Office Specialist/
Receptionist Internship**
Medical Receptionist Internship 1

CAOT-210
3 Credits
Office Procedures

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. This is a required course in Computer Applications and Office Technology programs.

Lecture: 3 hours per week

Pre/Corequisite: CAOT-120

CAOT-211
1 Credit
**Machine Transcription/
Document Formatting 1**

CAOT-211 is an introduction to machine transcription and document formatting including formatting letters and memos. Students prepare business 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. Prior completion or concurrent enrollment in CAOT-183 Business Editing and Proofreading is recommended. This is a required course in the Computer Applications and Office Technology programs.

Prerequisites: CAOT-113 and CAOT-120

CAOT-212
1 Credit
**Machine Transcription/
Document Formatting 2**

CAOT-212 is a continuation of CAOT-211. Students will enhance their machine transcription and document formatting skills and knowledge by formatting complex documents such as two-page letters, reports, agendas, itineraries, and news releases. Students prepare business 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. This is a required course in the Computer Applications and Office Technology programs.

Prerequisite: CAOT-211 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-213
1 Credit
Legal Transcription 1

This course provides an introduction to the transcribing and formatting of the legal documents required in different substantive areas of law. Legal procedures required for these different types of law are also emphasized. CAOT-213 is the first credit of a two-credit sequence of legal transcription courses and covers documents and procedures required in basic civil litigation and correspondence. This is a required course in some Computer Applications and Office Technology programs.

Prerequisites: CAOT-212 and PLEG-106 with a minimum grade of C-

CAOT-214
1 Credit
Legal Transcription 2

CAOT-214 is a continuation of CAOT-213. CAOT-214 is the second credit of a three-credit sequence of legal transcription courses and covers documents and procedures required in basic probate and

family law. This is a required course in some Computer Applications and Office Technology programs.

Prerequisite: CAOT-213 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-216
1 Credit
Medical Transcription 1

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. This is a required course for students in the Medical Administrative Assistant, Medical Receptionist, Medical Office Transcriptionist/Pre-Health Information Technology, and Medical Transcriptionist programs.

Prerequisites: CAOT-179 and CAOT-212 with a minimum grade of C-

CAOT-217
1 Credit
Medical Transcription 2

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. This is a required course for students in the Medical Administrative Assistant, Medical Receptionist, Medical Office Transcriptionist/Pre-Health Information Management Technician, and Medical Transcriptionist programs.

Prerequisite: CAOT-216 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-218
1 Credit
Medical Transcription 3

This course builds on the foundation laid in the Medical Transcription 1 and 2 courses and bridges the gap between the typically easy-to-understand dictation in the beginning transcription course and the difficult, often indistinct, dictation heard in the work environment of a medical transcriptionist. Emphasis is on proofreading and editing of medical reports, knowledge of abbreviations used in a variety of medical specialties, and speed and accuracy of transcription. Application testing is completed under timed conditions. Medical specialty areas covered include surgery, cardiology, diagnostic imaging/interventional radiology, pathology, obstetrics/gynecology, orthopedics, and gastroenterology. This is a required course for students in the Medical Transcriptionist and Medical Office Transcriptionist/Pre-Health Information Technology programs.

Prerequisite: CAOT-217 with a minimum grade of C-

CAOT-219
1 Credit
Medical Transcription 4

This course is a continuation of CAOT-218. Medical specialty areas covered include respiratory/pulmonary medicine, urology/nephrology, oncology, hematology/infectious diseases, neurology/neurosurgery, plastic surgery, pediatrics/neonatology, otorhinolaryngology, ophthalmology, psychiatry, and dentistry/oral surgery. This is a required course for students in the Medical Transcriptionist and Medical Office Transcriptionist/Pre-Health Information Management programs.

Prerequisite: CAOT-218 with a minimum grade of C-. Students may enroll and complete these courses during the same semester.

CAOT-220 Administrative Support Internship 1
3 Credits

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. This is a required course in the Office Specialist Receptionist, Administrative Assistant, and Virtual Assistant programs and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

On-the-Job Activities: 9 hours per week

CAOT-221 Administrative Assistant Internship 2
3 Credits

CAOT-221 is a continuation of CAOT-220. It is a required course in the Administrative Assistant program and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

On-the-job Activities: 9 hours per week

Prerequisite: CAOT-220 with a satisfactory grade

CAOT-222 Legal Administrative Assistant Internship 1
3 Credits

This course provides supervised training in administrative skills through on-the-job experience in a legal-related office. It provides a practical application of legal administrative office skills as part of the learning process and involves approximately nine hours per week of in-office work. This is a required course in the Legal Administrative Assistant program for the A.A.S. degree and advanced technical certificate and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

In-Office Work: 9 hours per week

Prerequisite: CAOT-213 with a minimum grade of C-

CAOT-223 Legal Administrative Assistant Internship 2
3 Credits

This is a continuation of CAOT-222. It is a required course in the Legal Administrative Assistant program and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

In-Office Work: 9 hours per week

Prerequisite: CAOT-222 with a satisfactory grade

CAOT-224 Medical Administrative Assistant Internship
3 Credits

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 and involves approximately nine hours per week of in-office work. This course is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

In-Office Work: 9 hours per week

Prerequisites: CAOT-167 and CAOT-217 with a minimum grade of C- and instructor permission

CAOT-225 Medical Billing Specialist Internship 1
4 Credits

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 and involves approximately 11 hours per week of on-site work. This is a required course in the Medical Billing Specialist program and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

On-Site Work: 11 hours per week

Prerequisites: ACCT-110, CAOT-167, and CAOT-186 with a minimum grade of C- and instructor permission

CAOT-226 Medical Billing Specialist Internship 2
4 Credits

The Medical Billing Specialist Internship 2 is a continuation of CAOT-225. It is a required course in the Medical Billing Specialist program and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

On-Site Work: 11 hours per week

Prerequisite: CAOT-225 with a satisfactory grade

CAOT-227 Medical Transcriptionist Internship 1
3 Credits

The Medical Transcriptionist Internship 1 provides supervised training in medical transcription skills through on-the-job experience in a medical facility. This course provides practical application of medical transcription as part of the learning process. It involves approximately nine hours per week of on-site work. This is a required course in the Medical Transcriptionist and Medical Office Transcriptionist programs and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

On-Site Work: 9 hours per week

Prerequisite: CAOT-217 and PHAR-151 with a minimum grade of C- and instructor permission

CAOT-228 Medical Transcriptionist Internship 2
3 Credits

The Medical Transcriptionist Internship 2 is a continuation of CAOT-227. It is a required course in the Medical Transcriptionist and the Medical Office Transcriptionist/Pre-Health Information Technology programs and is graded on a satisfactory/unsatisfactory basis. Instructor permission is required.

On-Site Work: 9 hours per week

Prerequisite: CAOT-227 with a satisfactory grade and instructor permission

CAOT-250 Office Skills Capstone
1 Credit

This course is an application-oriented capstone assessment of students' proficiency in Computer Application and Office Technology skills.

Lecture: 1 hour per week

COMPUTER INFORMATION TECHNOLOGY
CITE-101 Networking 1
4 Credits

This course provides students with the fundamental knowledge and skills to install and configure server operating systems in a small business environment. It will focus on four main areas: installing, securing, networking, and basic network services. By the end of the course, students will have installed and configured a server operating system that is secure, on the network, and provides basic network services to the end user.

Lecture/Lab: 4 hours per week

CITE-102 Networking 2
3 Credits

This course provides students with the knowledge and skills to configure server operating systems in a small to medium business environment. It will focus on four main areas: resource access, security, advanced networking, and advanced network services. By the

end of the course, students will have configured a server operating system that is fault-tolerant, secure, scalable, and provides advanced network services to the end user.

Lecture/Lab: 4 hours per week

Prerequisite: CITE-101

**CITE-102A Networking 2 Certification
1 Credit Exam Preparation**

This course is intended to assist students in preparing for the Networking 2 information technology industry certification examination by providing instructor mentoring, simulation certification practice exam questions, supplemental resources, and optional supplemental lab exercises.

Lab: 8-16 hours per week

Co-requisite: CITE-102

**CITE-110 Personal Computer Support 1
3 Credits**

This course covers the fundamentals of computer technology, networking, and security, and the skills required to identify hardware, peripheral, networking, and security components. It introduces PC hardware and software installation, the basic functionality of the operating system, basic troubleshooting methodology, practicing of proper safety procedures, and effectively interacting with customers and peers. Students will work hands on with computer components and PC operating systems. This is a required course in the Computer Information Technology certificate program. Concurrent enrollment in CITE-110L is required.

Lecture: 8 hours per week

Lab: 8 hours per week

Corequisite: CITE-110L

**CITE-110A PC Support 1 Certification
1 Credit Exam Preparation**

This course is intended to assist students in preparing for part one of the CompTIA A+ information technology industry certification examination by providing instructor mentoring, simulation certification practice exam questions, supplemental resources, and optional supplemental lab exercises.

Lab: 8-16 hours per week

Corequisite: CITE-110

**CITE-111A Supporting Desktop OS
1 Credit Certification Exam Preparation**

This course is intended to assist students in preparing for supporting desktop operating systems in Business Information Technology industry certification examination by providing instructor mentoring, simulation certification practice exam questions, supplemental resources, and optional supplemental lab exercises.

Lab: 8-16 hours per week

Corequisite: CITE-111

**CITE-112 Personal Computer Support 2
3 Credits**

This course presents the underlying technology and methodology for installing, configuring, upgrade, and maintaining PC workstations, the Windows OS and SOHO networks. This course includes a hands-on component involving building, maintaining, and upgrading PC-type (Intel and Intel-compatible) microcomputer systems. Students will utilize troubleshooting techniques and tools to effectively and efficiently resolve PC, OS, and network connectivity issues and implement security practices. This is a required course in the Computer Information Technology certificate program.

Concurrent enrollment in CITE-112L is required.

Lecture: 8 hours per week

Lab: 8 hours per week

Corequisite: CITE-112L

**CITE-112A PC Support 2 Certification
1 Credit Exam Preparation**

This course is intended to assist students in preparing for part two of the CompTIA A+ information technology industry certification examination by providing instructor mentoring, simulation certification practice exam questions, supplemental resources, and optional supplemental lab exercises.

Lab: 8-16 hours per week

Corequisite: CITE-112

**CITE-114 Supporting a Desktop Operating
4 Credits System in Business**

This course provides students with the knowledge and skills to install and configure secure PC desktop operating systems in a business environment. It will focus on installing, deploying, managing, maintaining, supporting business applications, security, networking, and mobile computing and remote access. Concurrent enrollment in CITE-114L is required.

Lecture/Lab: 16 hours per week

Corequisite: CITE-114L

Recommended: CITE-110 and CITE-112

**CITE-150 Introduction to Networking
3 Credits**

This course is designed to provide students with the background to understand local area networking information including industry language, data communication protocols, and an overview of microcomputers and network user basics. Topics include operating systems, network operating systems, network card configuration, and installations for network connectivity. Hands-on exercises and scenario-based reviews are included with coverage of critical networking issues and concepts.

Lecture/Lab: 4 hours per week

**CITE-165 Linux System Administration
3 Credits**

This course is for anyone interested in gaining a greater understanding of Linux. It contains essential information for anyone responsible for providing basic installation, operation, and troubleshooting services on Linux workstations and servers. This course will also appeal to Microsoft professionals seeking to gain Linux expertise.

Lecture/Lab: 8 hours per week for 8 weeks

Prerequisite: Proficiency in one or more non-Linux operating systems

**CITE-166 New and Emerging Technologies
1 Credit**

This course introduces new and emerging technologies in the information technology industry. These could include: desktop and network operating systems, network services, and hardware. The purpose of this course is to introduce the learning to these new and emerging technologies with an emphasis on design, installation, and support.

Lecture/Lab: 16 hours

**CITE-167 Scripting for Network Administration
1 Credit**

This course provides students with the knowledge and fundamental experience to develop their own administrative scripts with Mi-

Microsoft Visual Basic Scripting Edition and Microsoft Windows Script Host. This course focuses on writing scripts for commonly encountered administrative tasks.

Lecture/Lab: 16 hours

CITE-171
4 Credits

Internetworking 1

This course covers the fundamentals of networking protocols and processes, building an in-depth understanding and a foundation in these protocols. This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. Lab work is designed to simulate real-world internetworking. This course introduces students to the networking field.

Lecture: 10 hours per week

Lab: 6 hours per week

CITE-172
3 Credits

Internetworking 2

This course is titled "Internetworking 2: Introduction to Cisco Router Configuration" and begins with an overview of LAN's covered in Internetworking 1 and continues to Wide Area Networks (WAN). Topics include Network layer, Cisco IOS (Internetwork Operating System), software user interface, display router configuration information, router startup and setup configuration, router configuration, sources for Cisco IOS software, TCP/IP, configuring router interfaces with IP addresses, router configuration and routing protocols (RIP and IGRP), and access lists. This is the second of four courses leading to the Cisco Certified Network Associate (CCNA certification). This course is part of the Cisco Network Academy Program.

Lecture/Lab: 8 hours per week for 8 weeks

Prerequisite: CITE-171

CITE-172A
1 Credit

Internetworking 2 Certification Exam Preparation

This course is intended to assist students in preparing for the Internetworking 2 Information Technology industry certification examination by providing instructor mentoring, simulation certification practice exam questions, supplemental resources, and optional supplemental lab exercises.

Lab: 8-16 hours per week

Corequisite: CITE-172

CITE-201
3 Credits

Networking 3

This course provides students the fundamental knowledge and skills needed to configure network identity and access management services in a corporate business environment through the use of central administration and policy enforcement.

Lecture/Lab: 4 hours per week

Prerequisite: CITE-102

CITE-202
3 Credits

Networking 4

This course provides students the knowledge and skills needed to maintain and support network identity and access management services in a corporate business environment. Topics addressed include managing policies, performing backup and restore, and monitoring and troubleshooting directory services related issues.

Lecture/Lab: 4 hours per week

Prerequisite: CITE-201

CITE-202A
1 Credit

Networking 4 Certification Exam Preparation

This course is intended to assist students in preparing for the Networking 4 Information Technology industry certification examination by providing instructor mentoring, simulation certification practice exam question, supplemental resources, and optional supplemental lab exercises.

Lab: 8-16 hours per week

Corequisite: CITE-202

CITE-203
3 Credits

Networking 5

This course addresses the responsibilities of server administration and the day-to-day operations and management of an infrastructure of servers for an enterprise organization. Topics addressed include server administration using scripts and batch files, remote administration, and managing hosted services.

Lecture/Lab: 4 hours per week

Prerequisite: CITE-202

CITE-203A
1 Credit

Networking 5 Certification Exam Preparation

This course is intended to assist students in preparing for the Networking 5 Information Technology industry certification examination by providing instructor mentoring, simulation certification practice exam questions, supplemental resources, and optional supplemental lab exercises.

Lab: 8-16 hours per week

Corequisite: CITE-203

CITE-267
1 Credit

Advanced New and Emerging Technologies

This course introduces advanced new and emerging technologies in the information technology industry. These could include advanced desktop and network operating systems, advanced network services, and advanced hardware. The purpose of this course is to introduce students to these advanced new and emerging technologies with an emphasis on design, installation, and support.

Lecture/Lab: 16 hours

Prerequisite: CITE-102 or equivalent knowledge and experience

CITE-281
3 Credits

Internetworking 3

This course titled "Advanced Cisco Routing and Switching" provides students with the knowledge and skills to configure advanced routing protocols, LAN switching, and internetwork access methods. Students will be able to troubleshoot configurations using Cisco bridges, routers, and switches. This is the third of four courses leading to the Cisco Certified Network Associate (CCNA) certification. This course is part of the Cisco Network Academy Program.

Lecture/Lab: 8 hours per week for 8 weeks

Prerequisite: CITE-171 and CITE-172

CITE-282
3 Credits

Internetworking 4

This course titled "Internetworking 4: Cisco WAN Design" is the fourth and last course in a series of courses designed to prepare students for the Cisco Certified Network Associate (CCNA) exam and the Network+ exam. It provides students with the knowledge and skills to design and configure Wide Area Networks (WANs) using the Cisco IOS command set. This course is part of the Cisco Network Academy Program.

Lecture/Lab: 8 hours per week for 8 weeks

in learning how to create applications for Windows or the World Wide Web. It provides an introduction to creating graphical user interfaces for Windows, Pocket PC, and WWW applications. The course focuses on algorithm design and implementation for event driven operating systems such as Windows. Object oriented programming and the syntax of Visual Basic are core topics. In addition, students will apply their knowledge to create interactive web pages and Visual Basic's database capabilities will be introduced.

Lecture: 3 hours per week

Prerequisite: MATH-108 or COMPASS Algebra > 45, ACT > 19, or SAT > 460

CS-150 **Computer Science I** 4 Credits

CS-150 offers an introduction to the field of computer science using a current programming language. Central themes of the course 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.

Lecture: 3 hours per week

Corequisite: CS-150L (2 hours per week)

Recommended: CS-100 for students without computer experience

Prerequisites: Entry is based on an appropriate score on the placement test, either COMPASS Algebra > 61, ACT Math > 23, SAT Math > 540, or a grade of C- or above in MATH-108

CS-160 **Computer Science II** 3 Credits

CS-160 provides continuing experience in problem solving and software design methods. The analysis of algorithms, use of non-text files, and dynamic data structures are introduced and the entire software-design cycle is considered in greater depth. Standard algorithms for numeric and text processing, searching, and sorting will be covered, as well as a large group project. The exploration of recursion is continued.

Lecture: 3 hours per week

Prerequisites: CS-150 and CS-150L

CS-211 **Languages of Computer Science: C++** 3 Credits

This course provides an introduction to object oriented programming using the language C++. Features of the UNIX operating system, programming for the Windows environment, and the Standard Template Library may be discussed. This course is suitable for students aspiring to major in computer science, but will also serve science and engineering majors as well as members of the community desiring to add object oriented programming to their repertoire of skills.

Lecture: 3 hours per week

Recommended: Prior programming experience in a structured language. This requirement may be met with a course in Java, C, or other high level language.

CS-212 **Languages of the World Wide Web** 3 Credits

This course is designed to teach programming and computational thinking skills to create rich, interactive documents for the World Wide Web. Focus is on using information resources, current markup and scripting languages, and creating applications utilizing current web technologies. Students will learn to create documents that contain text, video, audio, and image data to request and

process input from users. Image, video, and audio representation will be covered. Techniques of indexing, searching, and browsing data, the societal impact of the Internet, security, cryptography, and freedom of speech will be covered.

Lecture: 3 hours per week

Recommended: Experience using the World Wide Web and the Internet

CS-213 **Languages of Computer Science: Java** 3 Credits

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.

Lecture: 3 hours per week

Recommended: High level language programming course such as C++ or permission of the instructor

CS-214 **Languages of Computer Science: C#** 3 Credits

CS-214 provides an introduction to computer programming, using the unique visual and object-oriented features of the C# language and the Visual Studio.NET integrated development environment. Topics include object-oriented programming, Windows and web applications, web forms, database access using ADO.NET, file access, exception handling, and other current topics as time allows.

Lecture: 3 hours per week

Recommended: Prior programming experience in a structured and/or object oriented language such as Visual Basic Java, C, or C++

CS-228 **Introduction to UNIX** 2 Credits

CS-228 is offered with the primary goal of providing Computer Science majors with UNIX operating system experience to facilitate their transfer to a four-year university. It is also helpful for students who are interested in learning about the UNIX operating system, which is used extensively in business and on the Internet. Course topics typically include basic command line use of the UNIX operating system; the file structure and permissions; using text editors; creating scripts; the shells, network, and Internet tools; graphical environments; and an introduction to UNIX administration. Students will be expected to complete homework that may be completed on campus, on a PC or MAC using a UNIX variant, or via the Internet. Students will have accounts on a UNIX or Linux server on campus that can be accessed via the Internet.

Lecture: 2 hours per week

Recommended: Prior computer experience such as that gained in CS-100 including significant experience using the Internet and some programming experience is strongly recommended

CS-240 **Digital Logic** 4 Credits

Digital logic concepts, logic design, Karnaugh maps, combinational and sequential networks, state tables, state machines, and programmable logic arrays are covered in this course. Laboratory activities use basic lab equipment, logic analyzers, and digital oscilloscopes.

Lecture: 3 hours per week

Corequisite Lab: CS-240L (2 hours per week)

Prerequisite: MATH-170 or MATH-187 or instructor permission

CS-250 **Data Structures** 3 Credits

Standard data structures are examined using a high level programming language such as C++, stacks, queues, linked lists, and trees.

Graphs are presented and explored through manipulation methods specific to each. Other topics include a continued development of skills in the analysis of algorithms, abstract data types, dynamic memory use, and the use of external files.

Lecture: 3 hours per week

Corequisite Lab: CS-250L (2 hours per week)

Prerequisites: Complete CS-150 or CS-160 with minimum grade of B and MATH-187 with a minimum grade of C-

CS-270 **Computer Organization and Assembly Language**
3 Credits

Course topics include register and processor level design of computer systems covering the ALU, control unit, assembly language, interrupts, DMA, cache control, scheduling algorithms, addressing methods, linkers, and loaders.

Lecture: 3 hours per week

Prerequisites: CS-150 and CS-240

COOKING

COOK-110 **Soups and Sauces**
1 Credit

This course will focus on the fundamental knife skills and basic food organization and preparation. Students will learn techniques for preparing soups and sauces. A variety of sauces will be introduced including mother sauces, small sauces, clear soup, cream soup, chowders, purees, and specialties.

Lecture: 1 hour per week

COOK-111 **Low-Fat/Low-Salt Cooking**
1 Credit

This course will focus on how to prepare and serve healthy, low-fat/low-salt meals. Students will learn to use fresh herbs, salt alternatives, and healthy oils to prepare healthy satisfying meals. Cooking techniques will also be discussed.

Lecture: 1 hour per week

COOK 112 **Cooking for One or Two**
1 Credit

This course is about learning to prepare meals for one or two people. Focus will be placed on putting fun into preparing healthy, attractive meals. Planning, shopping, preparation, and storing will also be discussed.

Lecture: 1 hour per week

COOK-113 **Cooking Around the World**
1 Credit

This course will focus on the fundamentals of international cuisines. Students will learn to identify flavor combinations and cooking techniques from around the world. International cuisines explored will include Thai, Indian, Mediterranean, and Central and South American.

Lecture: 1 hour per week

COOK-114 **Easy and Elegant Desserts**
1 Credit

This course will focus on easy, yet elegant desserts. Students will work with both hot and cold desserts as well as combination desserts. Ingredients, proper tools, and techniques will be discussed. Ease and elegance are the keys to these recipes.

Lecture: 1 hour per week

CRIMINAL JUSTICE

CJ-103 **Introduction to Criminal Justice**
3 Credits (same as LAWE-103)

This course offers an introduction to the purpose, function, and brief history of the agencies dealing with criminal justice, while presenting a survey of requirements for entering criminal justice service. Students discuss crime, the criminal, traffic, and vice as social problems; the function of the courts; prosecution and defense attorneys; correctional and penal institutions; and probation and parole. This course will introduce the student to the various agencies and employment opportunities within the criminal justice system. This is a required course in the Law Enforcement program.

CJ-202 **Corrections in America**
3 Credits (same as LAWE-202)

This course includes a survey of the historical, philosophical, and legal bases of correctional procedures and institutions. It also includes an examination of current problems and innovations.

Prerequisite: LAWE-103 or CJ-103 or permission of instructor

CJ-205 **Criminal Procedure**
3 Credits (same as LAWE-205)

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.

CULINARY ARTS

NOTE: Course enrollment requires prior acceptance into the Culinary Arts program.

CULA-150 **Sanitation and Safety**
1 Credit

This course focuses on the basics of safety and sanitation as it applies to the food service industry. On completion of this course, students will be certified by the National Restaurant Association in Applied Food Safe Sanitation. Students will be instructed in the basics of first aid as it relates to food service.

CULA-151 **Introduction to Food Service**
3 Credits

Through lecture and demonstration, this course includes an introduction to tools and equipment used in the food service industry. Students will also learn basic cooking principles and methods including the art of seasoning and flavoring. Recipe and menu development will also be taught, as well as forms and functions, measurements, conversions, and food costs.

CULA-152 **Breakfast Cookery and Food Presentation, Garnish, Quick Breads**
1 Credit

This course will focus on the preparation of breakfast foods including eggs, dairy products, and meats. Basic bakeshop principles as they relate to an assortment of foods and breads, will also be explored. An introduction to food presentation and buffet service will also be included.

CULA-155
1 Credit
**Preparation of Stocks,
Soups, and Sauces**

This course will focus on the fundamental knife skills and basic food organization and preparation. Students will be introduced to techniques required for preparing stocks, soups, and sauces. A variety of sauces will be introduced including mother sauces, small sauces, clear soups, cream soups, chowders, purees, and specialties.

CULA-156
1 Credit
**Preparation of Meats, Poultry,
Fish, and Shellfish**

Students will gain an understanding of the composition and structure of meats, fish, poultry, and shellfish as they relate to the industry. Field trips to a production meat company and fishmonger will be included. Application of theories will be experienced in lab.

CULA-157
2 Credits
**Preparation of Vegetables,
Starches, Sandwiches, and Salads**

Students will gain an understanding of the different techniques and methods used to prepare vegetables and starches as these techniques relate to quality. In addition, students will learn about various types of salads and dressings, as well as hot and cold sandwich preparation.

CULA-158
2 Credits
Bakeshop

Preparation techniques and procedures for a variety of baked goods will be explored. Breads, cakes, icings, cookies, pies, and pastries will be among specific items discussed.

CULA-165
3 Credits
Introduction to Customer Service

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. This course consists of approximately 30 hours of theory and 45 hours of lab.

CULA-165L Introduction to Customer Service Lab
0 Credits

This 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
3 Credits
**Restaurant Customer
Service Operations**

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. This course consists of approximately 30 hours of theory and 45 hours of lab.

CULA-166L
0 Credits
**Restaurant Customer
Service Operations Lab**

This 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-170
6 Credits
Culinary Arts Lab I

Students apply skills taught in theory while operating Emery's, the college restaurant located in the Hedlund Building. Throughout the semester, students will rotate to a variety of stations that are similar to those in the food service industry. Emphasis is placed on hands-on application.

CULA-171
6 Credits
Culinary Arts Lab II

Students will continue to apply the knowledge taught in theory courses by exploring more advanced complexities of menu offerings while operating Emery's Restaurant.

Prerequisite: Completion of CULA-170

CULA-173
2 Credits
**Specialty Food Design and Event
Menu Planning**

Students will gain an appreciation for the complexities in planning a special function with emphasis on food preparation. In addition, they will learn the art of cake and pastry decorating as well as the fundamentals of vegetable and fruit art as it relates to aesthetics and taste.

Prerequisite: Completion of CULA-165 and CULA-170

CULA-176
2 Credits
Culinary Arts Internship

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 and involves 90 hours of hands-on production. This is a required course in the Culinary Arts program and is graded on a satisfactory/unsatisfactory basis.

Prerequisites: Completion of CULA-165 and CULA-170

On-site Work: 90 hours

DANCE

DANC-105
1 Credit
Aerobic Dance/Fitness

This course combines cardiovascular conditioning, toning, flexibility exercises, and a fat burning intensity level. DANC-105 is offered in two levels: Nice and Easy, a low impact with moderate intensity for the beginner; and Intermediate, a muscle strengthening and higher level of intensity. This course satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

DANC-111
1 Credit
Beginning Rhythm and Movement

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 satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

DANC-112
1 Credit
Social/Swing Dance I

Students will learn 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 satisfies one of the P.E. requirements for the A.A. and A.S. degrees and may be repeated for a total of four credits. No prior dance experience is required. A special activity fee may be required.

Activity: 2 hours per week

DANC-112A Social/Swing Dance I for Seniors
1 Credit

Seniors will learn a variety of social dances with an emphasis on East Coast Swing, Foxtrot, Waltz, Cha Cha, and Rumba. Basic footwork and beginning figures will also be covered, giving students the ability to dance to a variety of musical styles. Students will get a moderate intensity workout that improves endurance, agility, coordination, balance, and posture. This seniors course does not meet A.A. or A.S. degree requirements. A special activity fee may be required. No prior dance experience is required.

Activity: 2 hours per week

DANC-113 Jazz Dance I
1 Credit

DANC-113 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 satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

DANC-114 Jazz Dance II
1 Credit

This 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 satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Recommended: DANC-113 or some knowledge of jazz dance

DANC-115 Modern Dance: Beginning I
1 Credit

DANC 115 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 satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

DANC-117 Ballet: Beginning I
1 Credit

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 one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

DANC-118 Ballet: Beginning II
1 Credit

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 satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Prerequisite: DANC-117 or equivalent

DANC-119 Multicultural Dance
1 Credit

Students will learn authentic ethnic group dances and steps from such countries as Ireland, Africa, Japan, Greece, Romania, Mexico, the United States, and others. Students will get a moderate intensity workout that improves endurance, agility, coordination, balance, and posture. This course satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits. Prior dance experience is not required. A special activity fee may be required.

Activity: 2 hours per week

DANC-120 Latin Social Dance
1 Credit

Students will learn 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 satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits. Prior dance experience is not required. A special activity fee may be required.

Activity: 2 hours per week

DANC-121 Tap Dance: Beginning I
1 Credit

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 satisfies one of the P.E. requirements for the A.S. and A.A. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

DIESEL TECHNOLOGY

NOTE: Course enrollment requires prior acceptance into the Diesel Technology program. Successful completion of each semester and/or

permission of the instructor is required for enrollment in the next semester.

DSLT-105

2 Credits

This course introduces students to on-campus services such as the library and College Skills Center. It includes instruction about the industry, including wages, job opportunities, and the nature of the work. This course also teaches students about safety equipment and procedures. Instruction is provided on general shop practices such as drilling and tapping holes, drilling out broken bolts, installing Heli-coils, double flares, soldering, and the care of equipment and floors.

**Orientation/Safety/
General Shop Practices****DSLT-117L**

2 Credits

This course provides students with hands-on exposure in a shop setting on the subjects covered in the DSLT-135 theory course. 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.

Diesel Lab**DSLT-118L**

2 Credits

This course will give students hands-on exposure in a shop setting to those subjects covered in the DSLT-120 theory course. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

Diesel Engine Lab**DSLT-119L**

1 Credit

This course provides students with hands-on exposure in a shop setting on the subjects covered in the DSLT-122 theory course. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

Electrical Systems Lab**DSLT-120**

5 Credits

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.

Diesel Engines**DSLT-122**

4 Credits

This course will include instruction on theory, operation, construction, and repair of heavy-duty electrical systems. Students will gain an understanding of starting systems, charging systems, batteries, wiring schematics, and lighting, along with associated testing and repair procedures for each system.

Electrical Systems**DSLT-128L**

2 Credits

This course provides students with hands-on exposure in a shop setting on the subjects covered in the DSLT-130 theory course. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

Powertrain Lab**DSLT 129L**

1 Credit

This course provides students with hands-on exposure in a shop setting on the subjects covered in the DSLT-132 theory course. This instruction will utilize a variety of mock-ups, training aids,

Brake Systems Lab

components, and limited live customer work.

DSLT-130

5 Credits

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.

Powertrain**DSLT-132**

4 Credits

This course will 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.

Brake Systems**DSLT-135**

4 Credits

This course teaches students the operation, construction, components, and repair of various truck and heavy equipment suspension systems including spring, pad, and air suspensions. In conjunction with suspension, the theory, operation, construction, components, adjustments, and alignment procedures for truck steering systems will be covered. Instruction also covers the theory, operation, components, and repair of mobile air conditioning systems. A component of this course will also include Class B Commercial Drivers License training. **Lecture:** 15 hours per week

Suspension/Steering/AC/CDL**DSLT-218L**

2 Credits

This course will give students hands-on exposure in a shop setting to those subjects covered in DSLT-220 theory courses. This instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

Advanced Tune-Up Lab**DSLT-219L**

2 Credits

This course will give students hands-on exposure in a shop setting to those subjects covered in diesel theory courses. The instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

Computerized Engine Lab**DSLT-220**

4 Credits

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.

Advanced Tune-Up**DSLT-222**

4 Credits

This course teaches 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.

Computerized Engines**DSLT-228L**

2 Credits

This course gives students hands-on experience in a shop setting.

Undercarriage/Powershift Lab

It is designed to provide opportunities for application of subjects covered in the DSLT-230 theory course. Instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

DSLT-229L
2 Credits
Hydraulics Lab

This course gives students hands-on exposure in a shop setting to those subjects covered in DSLT-232 theory courses. The instruction will utilize a variety of mock-ups, training aids, components, and limited live customer work.

DSLT-230
4 Credits
Undercarriage/Powershift Transmissions

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.

DSLT-232
4 Credits
Hydraulic Systems

This course will 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.

ECONOMICS
ECON-201
3 Credits
Principles of Economics (Macro)

This course is an introductory study of our national economy. This includes the tools of supply and demand, the measurement of inflation and employment, and discussion of the definition, role, and importance of national income and money and the banking system. The course also analyzes the role of government and the effects of international trade on the U.S. economy. Economic vocabulary and analysis of economic situations are emphasized. ECON-201 is a required course in the Business Administration, Business Education, and the Accounting Assistant programs. It satisfies a social science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Recommended: MATH-108 or two years of high school algebra

ECON-202
3 Credits
Principles of Economics (Micro)

ECON-202 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. This is a required course in the Business Administration and Business Education programs. It satisfies a social science requirement for the A.S., A.A. and A.A.S. degrees.

Lecture: 3 hours per week

Recommended: Sophomore standing and successful completion of ECON-201 are strongly recommended. In addition to ECON-201, completion of MATH-108 or two years of high school algebra will aid in the understanding of course principles and the application of graphing concepts.

ECON-225
3 Credits
International Economics

ECON-225 investigates aspects of international economics such as international trade, exchange rates, and related monetary matters. Emphasis is placed on understanding why nations trade, the impact of tariffs and non-tariff barriers, and measures taken to liberalize international trade. The course also includes a historic look at the United States' commercial policy, international and regional trade organizations, trade problems of developing countries as well as international financial relations, exchange rates, and international currency systems. Focus is placed on critical factors essential to understanding the interdependence among different facets of international economics. This course is useful for those who are considering a career in business or who want an overview of what the study of international economics encompasses.

Lecture: 3 hours per week

Prerequisites: ECON-201 and ECON-202

EDUCATION
EDUC-201
3 Credits
Introduction to Teaching

EDUC-201 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 student's 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. Prior completion of other courses is not required.

Lecture: 2 hours per week

Field Experience: 30 hours per semester

Prerequisite: Sophomore standing or permission of instructor

Recommended: College-level reading, oral and written English language, and computer skills

ELECTRONIC MEDICAL RECORDS
EMRS-100
2 Credits
Electronic Medical Records (EMR) System Planning and Selection

Using a project management framework, this course introduces health care information technology strategic planning, key applications/systems, and related practical and applicable knowledge and skills for health care practice managers. The process of system planning and selection is laid out step-by-step, with particular emphasis on the electronic medical record (EMR).

Lecture: 2 hours per week

EMRS-110
2 Credits
Electronic Medical Records (EMR) System Deployment and Management

This course covers the overall project management flow as the focus shifts to the actual EMR system deployment. Change management is revisited with greater emphasis at this time and students learn the basics of decision support and data mining. Project close-out and return on investment (ROI) concepts are explored, as well as resources for ongoing student learning concerning health information technology.

Lecture: 2 hours per week

EMRS-120 Health Information Exchange
2 Credits

This course provides in-depth analysis of data mobility including the hardware infrastructure (wires, wireless, and devices supporting them), the ISO stack, standards, Internet protocols, federations and grids, the Nationwide Health Information Network (NHIN), and other nationwide approaches.

Lecture: 2 hours per week

EMRS-121 Working with IT Software
3 Credits

Students will work with simulated systems or real systems with simulated data. As they play the role of practitioners using these systems, they will learn what is happening “under the hood.” They will experience threats to security and appreciate the need for standards, high levels of usability, and how errors can occur. Materials will support hands-on experience in computer labs or on a virtual server. This course will also give an overview of the most popular vendor systems highlighting the features of each as they would relate to practical deployments and noting the differences between the systems.

Lecture: 3 hours per week

EMRS-122 Installing and Configuring EHRs
3 Credits

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.

Lecture: 3 hours per week

EMRS-123 HIT Customer Service
2 Credits

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.

Lecture: 2 hours per week

EMERGENCY MEDICAL SERVICES
EMS-101 Basic EMT
5 Credits

This course will transcript the fundamentals of emergency medical practice including patient assessment, basic life support, trauma management, pediatrics and childbirth, and the management of medical and environmental emergencies. The course presents the foundational information and core competencies required at the EMT-Basic level. The course format conforms to the requirements of the Department of Transportation national EMT standards curriculum and the state of Idaho. This course is delivered at the North Idaho College Workforce Training Center in Post Falls.

Lecture: 80 hours

EMS-103 Basic EMT Lab and Practicum
5 Credits

This course will transcript the supervised practice in the fundamental skills required at the EMT-Basic level including patient assessment, airway maintenance, spinal stabilization, trauma management, childbirth, and the use of medications. The learning

experience will include a clinical rotation in an emergency room setting. The course presents the practical competencies required of the EMT-Basic. This course is delivered at the North Idaho College Workforce Training Center in Post Falls.

Lab: 144 hours

Corequisite: EMS-101

EMS-110 Advanced EMT
4 Credits

This course leads to eligibility for certification as an Advanced Emergency Medical Technician with the National Registry of Emergency Medical Technicians. Topics include the roles and responsibilities of the Advanced EMT-A, medical legal considerations of EMS, respiratory and cardiac emergencies, CPR, practical use of airway adjuncts, bleeding and shock, trauma management, medical emergencies and their management, environmental emergencies, emergency childbirth, pediatrics, geriatrics, exposure to hazardous situations, introduction to hazardous materials, psychological emergencies, patient packaging and triage, stabilization and transport of the sick and injured, and communication and report writing.

Lecture: 4 hours per week

Corequisite: EMS-113

EMS-113 Advanced EMT Lab and Practicum
2 Credits

This course provides supervised practice of the advanced skills required of the Advanced EMT. Training will include the use of advanced airway devices, the administration of intravenous fluids, blood drawing and blood glucose analysis, pulse oximetry, administration of medications, and defibrillation. In addition, students will complete clinical rotations in emergency room and pre- and post-operative settings. This course covers the practical competencies required of the Advanced EMT-A.

Lab: 6 hours per week

Corequisite: EMS-110

ENGINEERING
ENGR-105 Engineering Graphics
2 Credits

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.

Lecture/Lab: 4 hours per week

Prerequisite: MATH-025 or COMPASS Algebra > 40, ACT > 18, or SAT > 430

ENGR-123 Introduction to Engineering
2 Credits

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. It is recommended that students be familiar with the Internet.

Lecture: 1 hour per week

Lab: 3 hours per week

ENGR-210

3 Credits

Statics

ENGR-210 is a study of vector analysis, resolution of forces, free body diagrams, equilibrium, friction, centroids, moments of inertia, 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.

Lecture: 3 hours per week

Prerequisites: MATH-170 and PHYS-211

ENGR-214

4 Credits

Surveying

ENGR-214 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.

Lecture: 3 hours per week

Corequisite Lab: ENGR-214L (3 hours per week)

Prerequisite: MATH-147 or COMPASS College Algebra > 51, ACT > 27, or SAT > 620

ENGR-220

3 Credits

Dynamics of Rigid Bodies

ENGR-220 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.

Lecture: 3 hours per week

Prerequisites: MATH-175 and ENGR-210 with a minimum grade of C-

ENGR-223

3 Credits

Engineering Analysis

ENGR-223 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.

Lecture: 2 hours per week and 2 hours of lab

Corequisite: MATH-175

ENGR-240

4 Credits

Circuits I

ENGR-240 presents a study of Ohm's Law, analysis methods, network theorems, Ideal Operational Amplifiers, and energy storage elements. It includes the exploration of electrical circuits using hands-on lab activities and computers.

Lecture/Lab: 3 hours of lecture per week, 2 hours of lab per week

Prerequisite: MATH-175 or permission of instructor

Corequisite Lab: ENGR-240L

ENGR-241

4 Credits

Circuits II

Circuits II presents a study of power, three phase, transformers, filters, Fourier transforms, and Laplace transforms. It includes the exploration of electrical circuits using hands-on lab activities and computers.

Lecture: 3 hours per week

Corequisite Lab: ENGR-241L (2 hours per week)

Prerequisite: ENGR-240

ENGR-295

3 Credits

Strength of Materials

ENGR-295 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.

Lecture: 3 hours per week

Prerequisites: ENGR-210 and MATH-175

Note: This course is equivalent to U of I Engineering 350

ENGLISH

THE WRITING CENTER: The Writing Center, a comprehensive facility serving the entire campus, is located in the Lee Hall Annex. It is open daily from 8 a.m. to 3 p.m. The English and Modern Languages Division encourages all NIC students and faculty to drop in for assistance in document organization, sentence style, grammar, and punctuation. Computers and resource materials are available for use. Mini-courses and one-on-one tutoring are available to all programs, students, faculty, and staff.

NOTE: Once placed in an English class, students must pass that course with a C- or better before enrolling in the next class in the sequence. Classes in a sequence cannot be skipped once the student has been placed. Students should be prepared to provide a hard copy of their placement scores to their instructor.

ENGL-045

3 Credits

Writer's Workshop

ENGL-045 offers introductory instruction in grammar, sentence construction, and paragraph development. This course includes instruction in constructing simple, compound, and complex sentences; writing thesis and topic statements; and developing a paragraph with primary and secondary support. Writer's Workshop is helpful to those who need to improve skills before taking a college composition course. It is an important skill-building course that can influence college success, but will not fulfill degree requirements. A grade of C- or above allows the student to enroll in ENGL-099.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test of either between 0-30 on the COMPASS Writing, or 0-14 on the ACT English, or 0-370 on the SAT Verbal

ENGL-099

3 Credits

Fundamentals of Writing

ENGL-099 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. A grade of C- or above allows the student to enroll in ENGL-101.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test of either between 31-67 on the COMPASS Writing, or between 15-17 on the ACT English, or between 380-440 on the SAT Verbal, **OR** a grade of C- or above in ENGL-045

ENGL-101

3 Credits

English Composition

ENGL-101 prepares students for the demands of academic and

professional writing. Students will learn processes and strategies for writing clear, precise, and accurate prose and will demonstrate their abilities in a series of expository essays. Students will also learn to read, analyze, synthesize, and respond to a collection of written texts. This course is required for all degree programs. A grade of C- or above allows students to enroll in ENGL-102.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test—either 68-94 on the COMPASS Writing, or 18-24 on the ACT English, or 450-560 on the SAT Verbal, **OR** a grade of C- or above in ENGL-099

ENGL-102 **English Composition** 3 Credits

ENGL-102 provides instruction in the research process, which includes the gathering, the critical evaluation, and the presentation of evidence. Critical thinking is emphasized as vital to drawing conclusions from evidence. This course helps provide techniques for conducting research in all areas of study. It is required for all transfer degree programs.

Lecture: 3 hours per week

Prerequisite: ENGL-101 with a grade of C- or above. A score of 95-98 on the COMPASS Writing, or 25-30 on the ACT English, or 570-690 on the SAT Verbal will result in placement into ENGL-102 and credit for ENGL-101. A score of 31-37 in the ACT English, or 700-800 in the SAT Verbal will result in credit for ENGL-101 and ENGL-102

ENGL-114 **Writing Across the Curriculum** 1 Credit

ENGL-114 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 course, involving traditional classroom instruction, flexible-learning modules, Internet resources, and individual instruction in the Writing Center.

Lecture: 1 hour per week

ENGL-175 **Introduction to Literature** 3 Credits

This is a survey of literature's many forms including essay, short story, poetry, and drama. This course focuses on literature as a primary vehicle for ideas and values and helps students to recognize and appreciate the humanistic and artistic elements of literature. It satisfies an arts and humanities course requirement for the A.S., A.A., and most transfer degrees.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-202 **Technical Writing** 3 Credits

Technical Writing offers instruction in the writing skills applicable to business and industry. This course 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 course is required for some occupational programs and is a useful general elective for all programs in science and technology. Prior completion of ENGL-099 and sophomore standing or permission of the Division Chair are required.

Lecture: 3 hours per week

Recommended: ENGL-101

ENGL-203A **Trestle Creek Review** 1 Credit

This workshop offers students interested in poetry and short fiction an introduction to the world of small-press publishing in which most writers get their start. Students read manuscripts submitted from all over North America and beyond and collaboratively determine the content of this year's edition of *Trestle Creek Review*, an annual literary magazine published in May and mailed to contributors, subscribers, regional libraries, and bookstores. Students become conversant with contemporary literature written by "real" people, gain skills in literary criticism, learn how to submit their own work, and receive acknowledgment on the title page as members of the editorial staff.

ENGL-205 **Interdisciplinary Writing** 3 Credits

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.

Lecture: 3 hours per week

Prerequisite: ENGL-101 and ENGL-102

ENGL-207 **Trestle Creek Review** 2 Credits

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 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.

Lecture: 2 hours per week

Recommended: ENGL-101

ENGL-210 **Literary Analysis** 3 Credits

ENGL-210 introduces the basic methods and theories of literary analysis, research, and writing. This 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.

Lecture: 3 hours per week

ENGL-216 **Mythology** 3 Credits

Mythology 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.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-257 Literature of Western Civilization
3 Credits

ENGL-257 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. It satisfies an arts and humanities course requirement for the A.S., A.A., and most transfer degrees.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-258 Literature of Western Civilization
3 Credits

ENGL-258 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. It satisfies an arts and humanities course requirement for the A.S., A.A., and most transfer degrees.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-267 Survey of English Literature
3 Credits

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 18th century. This course enhances cultural literacy and awareness of pertinent issues in the humanities. It satisfies an arts and humanities course requirement for the A.A., A.S., and most transfer degrees.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-268 Survey of English Literature
3 Credits

ENGL-268 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. It satisfies an arts and humanities course requirement for the A.A., A.S., and most transfer degrees.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-271 Introduction to Shakespeare
3 Credits

ENGL-271 surveys major works of Shakespeare. Students will apply critical approaches to analysis of representative works among Shakespeare's poetry, tragedies, comedies, romances, and histories.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-272 Business Writing
3 Credits

Business Writing offers instruction in the practical application of business writing principles. It includes business writing strategies for memos, letters, and reports, and emphasizes audience analysis, content planning, language effectiveness, and message layout.

ENGL-272 helps develop writing skills necessary for effective business communication. It is required for some business and business-related programs.

Lecture: 3 hours per week

Prerequisite: Entry is based on an assessment score of 68-94 on the COMPASS Writing, or 18-24 on the ACT English, or 450-560 on the SAT Verbal, **OR** a grade of C- or above in ENGL-099

Recommended: ENGL-101

ENGL-277 Survey of American Literature
3 Credits

ENGL-277 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). This course satisfies an arts and humanities course requirement for the A.A., A.S., and most transfer degrees.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-278 Survey of American Literature
3 Credits

ENGL-278 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. This course satisfies an arts and humanities course requirement for the A.A., A.S., and most transfer degrees.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-285 American Indian Literature
3 Credits

ENGL-285 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.

Lecture: 3 hours per week

Prerequisite: ENGL-101

Recommended: Prior completion of ENGL-175

ENGL-291 Creative Writing: Poetry
3 Credits

ENGL-291 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.

Lecture: 3 hours per week

Recommended: ENGL-101

ENGL-292 Creative Writing: Fiction
3 Credits

ENGL-292 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.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-293 Creative Writing: Literary Nonfiction
3 Credits

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.

Lecture: 3 hours per week

Prerequisite: ENGL-101

ENGL-295 Contemporary U.S. Multicultural Literature
3 Credits

ENGL-295 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. This course fulfills a cultural diversity requirement for the A.A. degree or an arts and humanities requirement for the A.S. degree.

Lecture: 3 hours per week

Prerequisite: ENGL-101 with a grade of C- or above

ENGLISH AS A SECOND LANGUAGE
ESL-090 ESL Conversant Program
1-2 Credits

ESL-090 is a lab course for students who wish to master spoken English. It emphasizes idioms, pronunciation, and language styles appropriate for informal and formal situations both on and off campus. This course is designed for students whose native language is not English. It will be individualized to suit student objectives and may be repeated for a total of four credits. Graded either satisfactory or unsatisfactory.

Lecture: 1 hour per week per credit

Prerequisite: Student whose native language is not English

ESL-100 ESL Grammar and Structure
4 Credits

ESL-100 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.

Lecture: 4 hours per week per credit

Prerequisite: Minimum score of 500 on the TOEFL

ESL-101 ESL Composition
3 Credits

ESL-101 helps non-native speakers of English 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.

Lecture: 3 hours per week

Prerequisite: Minimum score of 500 on the TOEFL

ENTREPRENEURSHIP
ENTP-110 Starting and Managing the Business Enterprise
3 Credits

This course introduces students to processes for starting a new venture. Topics include the characteristics of an entrepreneur, aspects of starting a business, evaluation of entrepreneurial opportunities and risks, and legal structures for new ventures. Focus is on developing new venture concepts, identifying and solving problems, planning for survival and growth, and enhancing profitability. Human resource needs and services for an entrepreneurship will also be covered.

Lecture: 3 hours per week

ENTP-120 Marketing the Business Enterprise
3 Credits

This course will help students learn about conducting market research, making strategic marketing decisions, wisely allocating budget funds to implement marketing goals, selecting the proper tools for advertising/sales and public relations to capture business markets, building customer loyalty, and measuring business promotional efforts to effectively enhance their marketing strategies. Emphasis will be on developing a marketing plan using marketing research techniques.

Lecture: 3 hours per week

ENTP-130 Finances and Taxes for Entrepreneurs
3 Credits

This course emphasizes consideration and selection of financing vehicles, financial forecasting, and various accounting and legal issues considered in strategic decision-making. Participants will review various types of financial statements in order to analyze business operations. In addition, tax responsibilities, tax forms, and how to access resources to ensure effective financial management for small business opportunities and growth potential will be covered.

Lecture: 3 hours per week

ENTP-140 Writing a Business Plan
3 Credits

ENTP-140 offers students the opportunity to write a high-impact business plan. This course integrates all the components of a business plan including the business description and focus, location selection, marketing strategies, financial planning, personnel and management needs, and strategic planning for business growth. Participants will explore and develop a practical business plan for success by establishing realistic goals and objectives, developing strategies for a secure business, preparing for contingencies, and writing a plan.

Lecture: 3 hours per week

ENVIRONMENTAL SCIENCE
ENSI-119 Introduction to Environmental Science
4 Credits

ENSI-119 reviews basic concepts of chemistry, biology, the growth of human population, man's use of energy and other resources, species extinction, and pollution of the environment. This course satisfies a laboratory science course requirement for the A.S. and A.A. degrees.

Lecture: 3 hours per week

Corequisite Lab: ENSI-119L (2 hours per week)

Prerequisite: MATH-025 or COMPASS Algebra > 40, ACT Math > 19, or SAT Math > 430

FIRE SERVICE TECHNOLOGY

FST-100 **Fire Service Technology** *48 Credits*

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 course for the Fire Service Technology A.A.S. degree. These courses are delivered through fire departments statewide.

Lecture: 622 hours

Lab: 222 hours

FOOD AND BEVERAGE MANAGEMENT

FDBV-110 F and B Customer Service Management *3 Credits*

This theory course will focus on basic principles for creating an exceptional dining experience for customers. Students will cover topics such as menu development, restaurant supplies and equipment, facility requirements, labor costs and revenue, casual/theme restaurant environments, banquets and catered events and on-site food service operations. Upon completion of this course, students will demonstrate a thorough understanding of guest-driven service.

Lecture: 3 hours per week

FDBV-125 **Hospitality Supervision** *2 Credits*

This course discusses key supervisory and communication skills essential for effective leadership in the hospitality industry. Students learn techniques that will prepare them to juggle the expectations of management, guests, and employees. Industry-driven case studies will help students practice solving problems that they face on the job.

FDBV-230 **F and B Operations Management** *3 Credits* **(same as HOSP-215)**

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.

Lecture: 3 hours per week

GEOGRAPHY

GEOG-100 **Physical Geography** *4 Credits*

Physical Geography 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. Con-

current enrollment in GEOG-100L is required. This course satisfies a laboratory science course requirement for the A.S. and A.A. degrees, and a general education requirement for the A.A.S. degree.

Lecture: 3 hours per week

Corequisite Lab: GEOG-100L (2 hours per week)

GEOLOGY

GEOL-101 **Physical Geology** *4 Credits*

Physical Geology 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. Concurrent enrollment in GEOL-101L is required. In combination with GEOL-101L, this course satisfies a laboratory science course requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: GEOL-101L (2 hours per week)

GEOL-102 **Historical Geology** *4 Credits*

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. This course satisfies a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: GEOL-102L (2 hours per week)

Recommended: Prior or concurrent enrollment in GEOL-101

GEOL-123 **Geology of Idaho and** *4 Credits* **the Pacific Northwest**

GEOL-123 is the study of the geologic history of Idaho and the Pacific Northwest. It examines the development of existing geologic structures and rock types, focusing on the development and distribution of major topographic and scenic features. Included are field trips to areas of important mineral and gem occurrences. This course provides an appreciation for the development and distribution of geologic natural resources in the region. This course satisfies a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: GEOL-123L (2 hours per week)

Recommended: Prior or concurrent enrollment in GEOL-101

GEOL-255 **Systematic Mineralogy** *4 Credits*

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. A background in chemistry is helpful. This course satisfies a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 3 hours per week

Corequisite Lab: GEOL-255L (3 hours per week)

Prerequisites: GEOL-101 and GEOL-101L

GEOL-270 **Geology of National Parks** 3 Credits

This course is designed to enhance student understanding of key geological concepts by examining features from selected national parks. Landscape genesis and evolution is studied in relation to the wider scope of regional geologic history. One three-day field trip is required.

Lecture: 3 hours per week

Prerequisite: GEOL-101, GEOL-102, GEOL-123, or GEOG-100

GRAPHIC DESIGN/ VISUAL COMMUNICATIONS

NOTE: Course enrollment requires student to be a Graphic Design major.

GDES-101 **History of Graphic Design** 2 Credits

GDES-101 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.

Lecture: 2 hours per week

Lab: 2 hours per week

GDES-112 **Drawing for Designers** 2 Credits

GDES-112 introduces students to the fundamentals of drawing for graphic designers. Topics and activities include hand-eye coordination, observation techniques, attention to format and proportion, perspective, and composition. Students will be introduced to current techniques used by working graphic designers. Students will be expected to complete a minimum of five projects.

Lecture: 2 hours per week

Lab: 2 hours per week

GDES-120 **Typography** 2 Credits

GDES-120 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.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-130, GDES-131, and GDES-221

GDES-130 **Introduction to Apple Operating Systems** 1 Credit

GDES-130 is an introduction to Apple's current operating system for graphic designers. The course will cover the necessary hardware, the basics of the operating system, the necessary peripheral devices, the use of wireless networking, and Mac troubleshooting in a graphic design environment. Students will be exposed to basic software installation and troubleshooting basic problems. This course also provides knowledge and skills that will be used in other NIC Graphic Design courses.

Lecture: 1 hour per week

Lab: 1 hour per week

Recommended Corequisite: GDES-131

GDES-131 **Adobe Illustrator - Vector Graphics** 3 Credits

GDES-131 offers in-depth knowledge of the Adobe Illustrator for Graphic Design software program. This course introduces students 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.

Lecture: 2 hours per week

Lab: 2 hours per week

Recommended Corequisite: GDES-130

GDES-132 **Adobe Photoshop - Raster Graphics** 3 Credits

GDES-132 offers in-depth knowledge of the Adobe Photoshop - Raster Graphics software program. This course introduce 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. This course should provide students with valuable knowledge of Raster imagery for use in NIC Graphic Design courses.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisite: GDES-130

GDES-133 **Adobe InDesign-Layout and Composition** 3 Credits

GDES-133 offers in-depth knowledge of the Adobe InDesign software program. It also 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. This course should provide the student with valuable knowledge of page design for future NIC Graphic Design courses.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-130, GDES-131, GDES-132, GDES-221, and GDES-222

GDES-134 **Acrobat Dynamic PDF** 2 Credits

GDES-134 provides students with Acrobat PDF to connect, interact, and engage in powerful new ways. Students will learn how to streamline their work, collaborate more easily, and create high impact digital communications. This course is designed to meet the needs of today's business, and is applicable for both designers

and non-designers. Acrobat Dynamic PDF will help students get more done, easier, faster, and better.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-130, GDES-131, GDES-132, GDES-133, or permission of instructor based on portfolio review

GDES-140 Internet Fundamentals

2 Credits

GDES-140 gives students a basic understanding of the Internet, who uses it, and how it is used. Skill building topics will include email, blogs, browsers, search, feeds, FTP, downloads, rich media, and social media. The course will explore a variety of communication methods on the web.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-120, GDES-130, GDES-131, GDES-132, GDES-133, and GDES-221, or permission of instructor based on portfolio review.

Recommended: GDES-222

GDES-213 Digital Illustration

2 Credits

GDES-213 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.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-120, GDES-131, GDES-132, GDES-210, GDES-221, GDES-222, and GDES-223, or permission of instructor based on portfolio review

GDES-221 Graphic Design 1

3 Credits

GDES-221 offers instruction in the principles of design. Students research case studies and use problem solving skills and techniques, gain an understanding of basic layout composition and color theories in print, web, and video. Students develop concepts with roughs and comprehensives on assigned projects including creation of their own business package. Field trips and students' presentations support theories and concepts learned in the classroom.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisites: GDES-131, GDES-132, or permission of instructor

GDES-222 Graphic Design 2

3 Credits

GDES-222 is a continuation of GDES-221 and is designed to give students more hands-on experiences in developing skills with tools, materials, and professional methods for creating professional visuals. Students 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.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisites: GDES-120, GDES-131, GDES-132, GDES-133, and GDES-221, or instructor permission

GDES-223 Graphic Design 3

3 Credits

GDES-223 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 working with clients for proposal submissions, presentations, and respect to stringent deadlines.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisite: GDES-101, GDES-120, GDES-130, GDES-131, GDES-132, GDES-133, GDES-140, GDES-221, and GDES-222, or permission of instructor based on portfolio review

Recommended: GDES-283

GDES-225 Introduction to Digital Video

3 Credits

GDES-225 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 format will be required.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisites: GDES-112, GDES-120, GDES-130, GDES-131, GDES-132, GDES-133, and GDES-221, or permission of instructor based on portfolio review

Recommended: GDES-222

GDES-226 Computer Animation

2 Credits

GDES-226 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, and/or interactive kiosks. This course covers step-by-step process animation projects combining graphic design and professional video animation software.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-101, GDES-130, GDES-131, GDES-132, GDES-133, GDES-221, GDES-222, and GDES-225, or permission of instructor based on portfolio review

GDES-246 Web Usability

2 Credits

GDES-246 will introduce students to usability design concepts and authentic test methods for interactive media. Usability is grounded in tailoring interface design for the most effective user experience. Students will design, conduct, and analyze usability tests based on established principles, research findings, and theory. Upon completion of this course, students will be able to develop a usability test plan, recruit appropriate users, create robust task scenarios, facilitate testing, and analyze and communicate the test results.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-101, GDES-112, GDES-120, GDES-130, GDES-

131, GDES-132, GDES-140, GDES-221, and GDES-222, or instructor permission

GDES-250
2 Credits**Prepress**

GDES-250 provides a systematic introduction to the complex print production process. 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. Students will learn which type of software to use for optimal results at each stage of the prepress process, the advantages and disadvantages of different proofing methods, and the steps graphic designers can take to ensure high-quality printed output. Students will experience both the theoretical and practical challenges of new prepress tools.

Lecture: 2 hours per week

Lab: 2 hours per week

Prerequisites: GDES-120, GDES-130, GDES-131, GDES-132, GDES-133, GDES-213, GDES-221, GDES-222, and GDES-223, or permission of instructor based on portfolio review

GDES-254 **Interaction Design and Prototyping**
3 Credits

GDES-254 provides learning and usage of the principles of interaction design to define a software project in terms of its purpose, scope, audience, major elements, task flows, layout, and more. Students will identify a need, define a solution, and create deliverables for an entire interaction design project. Students will also learn how to use prototyping as a method to explore design, communicate, and test design concepts with fellow team members and clients through paper, PowerPoint/Keynote, Visio/OmniGraffle, Fireworks, Axure, and HTML.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisites: GDES-101, GDES-120, GDES-130, GDES-131, GDES-132, GDES-140, GDES-221, GDES-222, GDES-246, and GDES-255, or permission of instructor based on portfolio review

GDES-255 **Design Concepts for the Web**
3 Credits

GDES-255 is an introduction to HTML and CSS for web-based content. The course will focus on standards of contemporary web-interface development, keeping content, presentation, and behavior separate. Students will use optimized Raster graphics, typography, layout, and style to create operational websites from sketches to publication.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisites: GDES-101, GDES-130, GDES-131, GDES-132, GDES-133, GDES-140, GDES-221, and GDES-222, or instructor permission

Recommended: GDES-223 and GDES-283

GDES-258 **DOM Scripting for Designers**
3 Credits

GDES-258 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 practices and unobtrusive DOM scripting techniques.

Lecture: 3 hours per week

Lab: 3 hours per week

Prerequisites: GDES-130, GDES-131, GDES-132, GDES-133, GDES-140, GDES-221, GDES-222, GDES-244, GDES-245, and GDES-255

GDES-260 **Development for Mobile Devices**
3 Credits

GDES-260 is designed to bring students up to speed on designing for smaller platforms, 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.

Lecture: 3 hours per week

Lab: 3 hours per week

Prerequisites: GDES-101, GDES-130, GDES-131, GDES-132, GDES-140, GDES-221, GDES-222, GDES-246, GDES-254, GDES-255, and GDES-258, or with instructor permission based on portfolio review

GDES-271 **Design Projects**
3 Credits

GDES-271 includes the development of real-life design projects under the direction and guidance of experienced graphic design professionals. 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.

Lecture: 1 hour per week

Lab: 4 hours per week

Prerequisites: GDES-101, GDES-112, GDES-120, GDES-130, GDES-131, GDES-132, GDES-133, GDES-140, GDES-213, GDES-221, GDES-222, GDES-223, GDES-255, and GDES-283, or instructor permission

GDES-283 **Portfolio Development**
3 Credits

GDES-283 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.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisites: GDES-101, GDES-120, GDES-130, GDES-131, GDES-132, GDES-133, GDES-140, GDES-221, and GDES-222, or instructor permission

GDES-290 **Internship**
1-3 Credits

GDES-290 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 up to five times with a credit maximum of six.

Prerequisites: GDES-120, GDES-130, GDES-131, GDES-132, GDES-221, and GDES-222, or instructor permission

HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION

NOTE: Course enrollment requires prior acceptance into the Heating, Ventilation, Air Conditioning, and Refrigeration program. Students enrolled in this program are required to earn a grade of C- or better in their classes or receive instructor permission in order to advance to the next semester.

HVAC-161 3 Credits

HVAC/R Principles

This course is designed to explore the common aspects of HVAC/R technology. Discussion will focus on such topics as psychometrics, air distribution and balance, as well as system installation and controls. This is a required course in the HVAC/R program. Current industry professionals who want to update skills are invited to take this as a stand-alone course.

HVAC-161L 5 Credits

HVAC/R Lab I

This course provides an opportunity to apply and practice the theories taught in HVAC/R Principles, HVAC/R Electrical, and HVAC Heating Systems. Safety principles and procedures used in the field are also emphasized in this lab course. Students enrolled in the HVAC/R program are required to take this class concurrently with theory courses. Of the required five credits, a maximum of two credits can be substituted in an approved internship/co-op with instructor permission.

HVAC-165 4 Credits

HVAC/R Electrical

Basic electrical safety and electrical theory such as Ohms Law, circuit schematics and circuit characteristics/symbols will be discussed as it applies to DC and AC circuits in the HVAC/R industry. Basic control circuits, sequence of operation for basic HVAC/R applications and electric motor theory, as well as specific information on HVAC/R electrical component devices will also be covered. Both electrical testing and troubleshooting methods are taught and practiced. HVAC/R professionals are invited to take this course as a refresher to update skills. Students enrolled in the HVAC/R program are required to take this course as part of their program.

HVAC-167 4 Credits

HVAC Heating

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 as a stand-alone course. Students enrolled in the HVAC/R program are required to take this course as part of their program.

HVAC-171L 5 Credits

HVAC/R Lab II

This lab provides students an opportunity to apply and practice the theories taught in HVAC Systems, HVAC/R Heating, HVAC/R Codes and Licenses, and HVAC/R Principles. Safety principles and procedures used in the field will be a major focus. Students enrolled in the HVAC/R program are required to take this course concurrently with theory courses. Of the required five credits, up to two credits can be substituted in an approved internship/co-op with instructor permission.

HVAC-175 4 Credits

HVAC/R Systems

HVAC systems that utilize the refrigeration cycle will be the main focus of this course. 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 HVAC systems. Students enrolled in the HVAC/R 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 4 Credits

Refrigeration

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 HVAC/R 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-180 3 Credits

HVAC/R Codes and Licenses

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 exams during the semester. Students enrolled in the HVAC/R program are required to take this course as part of their program. Current industry professionals that want to update skills are invited to take this as a stand-alone course.

HISTORY

HIST-101 3 Credits

History of Civilization to 1500

HIST-101 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. It meets a social science requirement for A.A. and A.S. degrees.

Lecture: 3 hours per week

Recommended: ENGL-101 and good reading skills

HIST-102 3 Credits

History of Civilization Since 1500

HIST-102 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. It meets a social science requirement for A.A. and A.S. degrees.

Lecture: 3 hours per week

Recommended: ENGL-101 and good reading skills

HIST-103 History of Civilization 20th Century
3 Credits

This course is a survey of the history of the 20th century, beginning in 1871 with the formation of the modern German state 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 technology, and the role of the nation-state. Students are expected to read and write at college level and are required to participate in discussions.

Lecture: 3 hours per week

HIST-111 U.S. History to 1876

HIST-111 offers a broad chronological overview of U.S. history which deals with political, economic, social, and cultural development from the Pre-Columbian period through post-Civil War Reconstruction (c. 1876). Attention is focused on differing historical interpretations and on themes which illuminate current events. This course serves as partial fulfillment of the social science requirement for A.A. and A.S. degrees and is transferable to regional four-year institutions.

Lecture: 3 hours per week

Prerequisites: Good writing and communication skills

HIST-112 U.S. History after 1876

3 Credits

HIST-112 offers a broad chronological overview of U.S. History including political, economic, social, and cultural development from the Gilded Age (c. 1876) through the present. The focus is on differing historical interpretations and on themes which illuminate current events. This course serves as partial fulfillment of the social science requirement for A.A. and A.S. degrees and is transferable to regional four-year institutions.

Lecture: 3 hours per week

Prerequisites: Good writing and communication skills

HIST-131 History of Latin America

3 Credits

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. It meets a cultural diversity requirement for the A.A. degree or a social science requirement for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week

HIST-141 History of Africa

3 Credits

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.

Lecture: 3 hours per week

HIST-181 East Asian History and Civilizations

3 Credits

This course is a survey of East Asian history and civilization from ancient times to the present. It concentrates on East Asian contributions to civilizations. Areas to be covered are China, Korea, Japan, and Southeast Asia. It meets a cultural diversity requirement for

the A.A. degree or a social science requirement for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week

HIST-207 Explorations in the History of Civilization

3 Credits

This course provides an in-depth study of a historical period, geographical area, or historical theme. Topics will vary by semester and will be determined annually by history faculty. Reading, discussion, lectures, and media will focus on the issues and forces contributing to the chosen topic. See the class schedule for announcement of the semester's chosen topic(s).

Lecture: 3 hours per week

HIST-208 Explorations in U.S. History

3 Credits

This course provides an in-depth study of a historical period, geographical area, or historical theme. Topics will vary by semester and will be determined annually by history faculty. Reading, discussion, lectures, and media will focus on the issues and forces contributing to the chosen topic. See the class schedule for announcement of the semester's chosen topic(s).

Lecture: 3 hours per week

HIST-223 History of the Pacific Northwest

3 Credits

This course covers the history of Idaho, Oregon, and Washington. The first half of the semester is devoted to the general history of the Pacific Northwest. The remainder of the semester emphasizes the history of Idaho.

Lecture: 3 hours per week

HIST-240 American Indian History

3 Credits

HIST-240 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. It meets a cultural diversity requirement for the A.A. degree or a social science requirement for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week

Prerequisites: HIST-101, ANTH-225 or HIST-101, or HIST-111 or HIST-112

HIST-261 Historical Roots of Modern Russia: An Introduction Through Film and Fiction

3 Credits

This course surveys the history of Russia from earliest times to the present. It investigates political, economic, multi-national, social, and cultural aspects of Russian and Soviet history by reading historical literature, novels, and analyzing films.

Lecture: 3 hours per week

HIST-290 The Historian's Craft

3 Credits

HIST-290 provides an introduction to the discipline of history, to basic skills for coursework and research, and to major schools of historical writing. This course fulfills a major requirement for transfer institutions in Idaho.

Lecture: 3 hours per week

Prerequisite: ENGL-101

Prerequisite or Corequisite: ENGL-102

HOSPITALITY

HOSP-105 Food and Beverage Service Sanitation *3 Credits*

This course provides practical skills and knowledge for effective management of food and beverage service in outlets ranging from cafeterias and coffee shops to room service, banquet areas, and high-check average dining rooms. HOSP-105 presents basic service principles while emphasizing the special needs of guests. The course also emphasizes how to effectively manage sanitation to achieve high standards that will keep customers coming back.

Lecture: 3 hours per week

HOSP-110 Front Office Procedures *3 Credits*

Front Office Procedures 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.

Lecture: 3 hours per week

HOSP-115 Hospitality Field Experience *3 Credits*

This is an introduction to actual on-the-job work experience. Exposure to the demands and practices of the hospitality industry is intended to help the student discover whether the hospitality field is an appropriate career choice. This course is waived for students with one full year of appropriate employment experience in the industry. The course includes student, employer, and coordinator evaluations; on-site work visits; written assignments; and oral presentations.

Lecture: 3 hours per week

HOSP-120 Supervisory Housekeeping *3 Credits*

This course describes the management functions, tools, and practices required in the lodging housekeeping department.

Lecture: 3 hours per week

Prerequisites: HOSP-105, HOSP-110, HOSP-115, and RRM-100

HOSP-125 Hospitality Maintenance and Engineering *3 Credits*

This course is an introduction to the technical knowledge required to establish preventative maintenance procedures.

Lecture/Lab: 3 hours per week

Prerequisites: HOSP-105, HOSP-110, HOSP-115, and RRM-100

HOSP-130 Hotel Security Management *3 Credits*

This course examines the issues surrounding the need for individualized security programs. It also explores how to make a difference in the safety and security of guests, hotel property, and fellow employees.

Lecture: 3 hours per week

Prerequisites: HOSP-105, HOSP-110, HOSP-115, and RRM-100

HOSP-210 Food and Beverage Controls *3 Credits*

This course covers the principles involved in an effective system of food, beverage, labor, and sales income controls in the hospitality industry.

Lecture: 3 hours per week

Prerequisites: HOSP-105, HOSP-110, HOSP-115, and RRM-100

HOSP-215 Bar and Beverage Management *3 Credits*

This course explores how to balance marketing and control objectives, plan the business, select and train employees, and establish and maintain control systems. In-depth material on responsible alcohol service and range of beverage products is included.

Lecture: 3 hours per week

Prerequisite: HOSP-210

HUMANITIES

HUMS-101 Montage: Introduction to the Humanities *3 Credits*

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 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. It fulfills an arts and humanities requirement for the A.A. and the A.S. degrees.

Lecture: 3 hours per week

Prerequisite or Corequisite: ENGL-101

HUMS-126 Film and International Culture *3 Credits* (same as CINA-126)

This course presents films as artifacts of culture and history, examines foreign and North American films, and evaluates selected critical readings to promote meaningful comparative analysis. It focuses on becoming more critically aware of the rich and diverse forms of cinematic expression, developing an appreciation for our responses to visual imagery, and using basic concepts of film theory and cultural analysis to enrich our viewing experience. The concepts and methods introduced have applications to careers in broadcasting, graphic design, public relations, journalism, and corporate communications. This course is required for transfer into radio/television programs. It satisfies an arts and humanities course requirement for the A.S. and A.A. degrees.

Lecture: 3 hours per week

Corequisite: HUMS-126L

HUMS-200 Interdisciplinary Seminar *3 Credits* (same as INTR-200)

Integrating a range of disciplines, including social sciences, the arts, history, literature, philosophy, and natural sciences, interdisciplinary studies courses explore issues related to community, sustainability and/or humanity's role in maintaining public and environmental health in the 21st century. Utilizing experiential learning, writing across the curriculum, reading, research, and special projects, students use problem-solving skills to explore these issues. This course

satisfies a cultural diversity requirement for the A.A. degree or an arts and humanities requirements for the A.S. degree.

Lecture: 3 hours per week

Prerequisite or Corequisite: ENGL-101

HUMS-205 **Visual Texts and Culture**
3 Credits

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. 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.

Lecture: 3 hours per week

Prerequisite: ENGL-101

Recommended: HUMS-101

HUMS-295 **Themes in the Humanities**
3 Credits

This 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.

Lecture: 3 hours per week

Prerequisite: ENGL-101

Recommended: HUMS-101

HUMAN RESOURCES ASSISTANT

HRA-110 **Diversity and Human Relations**
3 Credits

This course is designed to help human resources professionals recognize the need to incorporate diversity into all phases of the organization. Topics include understanding and valuing diversity, diversity in the workplace, managing diversity, cultural elements, and communication issues.

Lecture: 3 hours per week

HRA-210 **Recruiting, Selection, and Retention**
3 Credits

This course is designed to give students a basic understanding of the employment process. Emphasis is placed on legal compliance, planning, recruitment, selection, and retention. By the end of the course students should understand the fundamentals and legal aspects of various methods and techniques in recruiting, selection, and employment.

Lecture: 3 hours per week

INTERDISCIPLINARY STUDIES

INTR-200 **Interdisciplinary Seminar**
3 Credits **(same as HUMS-200)**

Integrating a range of disciplines, including social sciences, the arts, history, literature, philosophy, and natural sciences, interdisciplinary studies courses explore issues related to community,

sustainability, and/or humanity's role in maintaining public and environmental health in the 21st century. Utilizing experiential learning, writing across the curriculum, reading, research, and special projects, students use problem-solving skills to explore these issues. This course satisfies a cultural diversity requirement for the A.A. degree or an arts and humanities requirements for the A.S. degree.

Lecture: 3 hours per week

Prerequisite or Corequisite: ENGL-101

INTR-290 **Internship**
Credits arranged

The interdisciplinary internship 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. The internship will be 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.

Prerequisite: Permission of the instructor

INTR-299 **Independent Study**
Credits arranged

Independent Study involves readings or projects integrating the student's two selected areas of study, designed under the supervision of a faculty member in the Interdisciplinary Studies program or in one of the student's main areas of study. Six credits maximum may be applied toward graduation. Contact the Registrar's Office for Independent Study guidelines.

Prerequisite: Sophomore standing (26 credits completed), 3.00 GPA, and permission of the instructor

JOURNALISM

COMJ-100 **Sentinel (NIC Newspaper) Staff**
1 or 2 Credits

This course provides a practical working environment to apply journalism theory and techniques. Enrolled students become staff members of *The Sentinel*, the national award-winning NIC student news organization. Sentinel students learn the mechanics of producing a newspaper and maintaining a multimedia website. 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 is advised in area(s) of interest.

Lab: 3 hours per week for 1 credit; 6 hours per week for 2 credits

Recommended: COMJ-121

COMJ-121 **News Writing**
3 Credits

This course provides an introduction to the principles of news writing, focusing on organization and writing methods for media. Students develop news stories in lab and outside of class. Sentence structure competence is necessary. Mastering the basics of news writing, students will improve their abilities to participate as members of communications professions in print, broadcast, and corporate areas.

Lecture: 4 hours a week combined with lab time

Prerequisite or Corequisite: ENGL-101

COMJ-140 **Mass Media in a Free Society**
3 Credits

This course examines today's American media - their development, successes, and failures. Career options are explored through tours and guest presentations by working professionals. After completion of COMJ-140, students will know if a media career is an option to pursue. Students will gain a clear view of themselves as media consumers. Topics that will be covered in upper division coursework will be introduced.

Lecture: 3 hours per week

COMJ-222 **Reporting**
3 Credits

Reporting provides practical experience working with different types of news sources. Students gather and write articles about on-and off-campus events. Assignments include writing multisource stories, features, editorials, columns, and research pieces. Some "deadline critical" situations related to professional newspaper practices are included. Students learn reporter duties in preparation for advancement to upper division coursework and journalism career development.

Lecture/Lab: 3.5 hours per week

Prerequisite: COMJ-121

COMJ-255 **Editing**
3 Credits

This course studies the elementary principles of newspaper makeup and fundamentals of editing copy and photographs. It includes practice in news selection and evaluation, writing headlines and photo captions, and newspaper design and composition. The course uses Macintosh computers. Students learn and practice the responsibilities of an editor, including copy reading and measuring, article evaluation, headlining, page design, photo editing, and ethics decisions. Skills gained contribute to portfolio development and career preparation.

Lecture/Lab: 3 hours per week

Prerequisite: COMJ-121

COMJ-298 **Journalism Practicum**
2 Credits

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 eight credits.

Time: Varies according to project

LAW ENFORCEMENT

NOTE: LAWE-103, LAWE-202, and LAWE-205 may be taken without being accepted into the Law Enforcement program. All other LAWE courses require application and acceptance into the program before enrolling.

LAWE-103 **Introduction to Criminal Justice**
3 Credits **(same as CJ-103)**

This course offers an introduction to the purpose, function, and brief history of the agencies dealing with criminal justice, while presenting a survey of requirements for entering criminal justice

service. Students discuss crime, the criminal, traffic, and vice as social problems; the function of the courts; prosecution and defense attorneys; correctional and penal institutions; and probation and parole. This course will introduce the student to the various agencies and employment opportunities within the criminal justice system. This is a required course in the Law Enforcement program.

LAWE-202 **Corrections in America**
3 Credits **(same as CJ-202)**

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: LAWE-103 or CJ-103 or permission of instructor

LAWE-205 **Criminal Procedure**
3 Credits **(same as CJ-205)**

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.

LAWE-248 **General Instructors Course**
3 credits

The objective of this course is to prepare individuals to become effective instructors. This course provides the skills necessary to create lesson plans, including correct procedures for documenting the citing references. Students will walk away from the class with a basic understanding of adult learning and the five phases of the Instructional Systems Development (ISD) model. Students will also learn how to incorporate the ISD model as they research and write their own lesson plans.

This course covers the evaluation process for performance testing to include types of tests, characteristics of good tests, and uses of test results. Methods and strategies that are used in the classroom to provide an efficient and effective learning experience are covered, along with the use of proper communication techniques for a classroom setting. In order to give students multiple tools to enhance instruction, ways to incorporate the use of audio-visual aid is also covered. Upon completion of the course, students will have learned the tools necessary to become effective instructors who are able to transfer their knowledge to others.

LAWE-250 **Self Defense/Law Enforcement**
3 Credits

This course covers the use of force, baton training, pepper spray training, electroshock weapons, people searches, firearms liability, safety, inspection and maintenance, basic marksmanship, day and night range practice, and handgun and shotgun qualification.

Prerequisite: Enrollment by permission only

LAWE-251 **Basic Police Law**
6 Credits

This course is the study of basic police law as it relates to the U.S. Constitution, Idaho Codes, liquor laws, rules of evidence, criminal law, arrest, search and seizure, traffic code, brand laws, and Idaho Fish and Game laws. After completing the course, students will be able to determine traffic offenses, probable cause of arrest, and how to process cases.

Prerequisite: Enrollment by permission only

**LAWE-252 Professional Orientation
2 Credits for Peace Officers**

This course studies the human dimensions of the police profession, including standards for police ethics and professionalism, media relations, crime prevention, and human relations.

Prerequisite: Enrollment by permission only

**LAWE-253 Police Procedures
8 Credits**

This course teaches fundamental police skills such as searching buildings, operating emergency vehicles, Incident Command System (ICS), and writing reports. It also includes jail procedures, communication methods, officer survival, and courtroom demeanor and testifying. This course will also address issues related to homeland security, as well as gangs and other threat groups.

Prerequisite: Enrollment by permission only

**LAWE-254 Patrol Procedures
3 Credits**

This course teaches patrol procedures and techniques for crimes in progress, including responding to armed robberies, unknown risk, high risk and felony traffic stops, prowler calls, hostage situations, and domestic disputes.

Prerequisite: Enrollment by permission only

**LAWE-255 Field Skills for Patrol Officers
2 Credits**

This course provides an opportunity for students to demonstrate and utilize classroom skills in simulations and exercises in crime scene investigation, search warrant application, traffic stops, arrest situations, building search, and domestic disputes.

Prerequisite: Enrollment by permission only

**LAWE-256 Investigation
8 Credits**

This course provides theory, techniques, and procedures for the investigation of traffic accidents, auto theft, juvenile crimes, allegations of child abuse, DUI situations, and suspicious deaths. It includes techniques and procedures for drug identification, protection of crime scenes, collecting evidence, fingerprinting, interviewing, notification, and interrogation.

Prerequisite: Enrollment by permission only

**LAWE-257 Enforcement Skills
2 Credits**

This course provides hands-on training in handgun retention, defensive tactics/arrest and control techniques, handcuffing techniques, and handling hazardous materials.

Prerequisite: Enrollment by permission only

**LAWE-258 Police Physical Fitness
1 Credit**

This course provides physical health and conditioning methods, focusing on a fitness lifestyle, and includes work on nutrition, agility, flexibility, and conditioning. Students must pass the Idaho P.O.S.T. physical fitness test.

Prerequisite: Enrollment by permission only

**LAWE-290 Law Enforcement Theory
3 Credits**

LAWE-290 meets weekly to evaluate, critique, and document intern performance and experiences. It incorporates specialized or refresher training as needs arise during the intern experience. This

is a required course in the Law Enforcement program.

Prerequisites: LAW-250, LAW-251, LAW-252, LAW-253, LAW-254, LAW-255, LAW-256, LAW-257, and LAW-258

**LAWE-293 Law Enforcement Internship
10-12 Credits**

This is an internship experience with law enforcement agencies designed to match the student's abilities and career goals. Students will function in a law enforcement position under the direct supervision of a selected, experienced law enforcement officer. Students are evaluated on a daily basis in accordance with the agency's established training policies for new officers. Students will be expected to participate in the enforcement activities performed by the supervising officer. This is a required course in the Law Enforcement program.

Prerequisites: LAW-250, LAW-251, LAW-252, LAW-253, LAW-254, LAW-255, LAW-256, LAW-257, and LAW-258

MACHINING AND CNC TECHNOLOGY

NOTE: Enrollment requires acceptance into the program. Successful completion of each semester and/or permission of the instructor is required for enrollment in the next semester.

**MACH-151 Machining Technology Theory I
4 Credits**

This basic course consists of learning terminology, measuring systems, and using measuring tools. Some of the instruments used are hand tools, mechanical instruments, lathes, and mills. Students will use shop math for problem solving. Machining Technology Theory is necessary for the safe, efficient operation of industrial machinery.

**MACH-151L Machining Technology Laboratory I
6 Credits**

Machining Technology Lab 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 Laboratory II
5 Credits**

This lab is a continuation of MACH-151L. Students continue to progressively attempt more difficult projects. The main project for the class is the manufacture of a model Stirling Engine utilizing an assortment of materials and machining strategies. The nature of tolerance build-up in assemblies and effective time management are emphasized.

**MACH-160 Manufacturing Processes
4 Credits**

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.

Lecture: 4 hours per week

**MACH-171 Blueprint Reading I
2 Credits**

Blueprint reading consists of a series of exercises involving visualization skills. This series takes students from basic knowledge to a point

where they can interpret simple orthographic blueprints. Blueprint reading is essential to produce required work pieces on machines.

MACH-172 **Blueprint Reading II**
2 Credits

This course is a continuation of MACH-171 with an emphasis on more complex prints, geometric dimensioning, and tolerancing.

MACH-185 **Statistical Process Control and Mechanical Measurements**
1 Credit

This course is geared to real-life application in the machine trades and concentrates on the statistical concepts of mode, median, mean, and standard deviation for samples and populations. Success is dependent on being able to read precision measuring instruments and applying it to real manufactured parts for data gathering. The lab addresses the application of methods of inspection and measurement of mechanical parts. Activities include measuring instruments, gauging equipment, work holding methods, and surface finishes. The lab utilizes tools found in machine shops and inspection departments.

MACH-201 **Basic CNC Turning Theory**
1 Credit

This course is designed to prepare students to enter the CNC portion of the Machine Technology program. It is a prerequisite to the MACH-251 and MACH-281 courses if the student has not completed MACH-152L. Students will learn the essentials of manufacturing and machining metal for the production of parts and assemblies. They will be exposed to various manufacturing methods as well as machining formulas and machinability of materials.

Lecture: 1 hour per week

MACH-231 **Computers in Machining**
3 Credits

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 Laboratory I**
5 Credits

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 CNC lathes, CNC mills, and precision grinders, as well as advanced technique practice on other manual machines.

Prerequisite: MACH-152L or instructor permission

MACH-254L **Advanced Machining Laboratory II**
5 Credits

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.

Prerequisite: MACH-253L

MACH-273 **Intermediate Blueprint Reading**
3 Credits

Students will learn 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.

Prerequisite: MACH-172

MACH-274 **Geometric Dimensioning and Tolerancing**
3 Credits

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

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.

Corequisite: MACH-253L

MACH-284 **Advanced Machining Processes and Techniques**
5 Credits

Students will learn 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.

Prerequisite: MACH-283

**MAINTENANCE MECHANIC/
MILLWRIGHT**

NOTE: Enrollment requires prior acceptance into the program. Successful completion of each semester and/or permission of the instructor is required for enrollment in the next semester.

MM-151 **Maintenance Mechanic Theory I**
10 Credits

Maintenance Mechanics Theory is an introduction to the principles of oxyacetylene and arc welding; hand, power, precision measuring tools; thread systems and fasteners; industrial materials; safe rigging practices; mechanical drive systems; and equipment installation and alignment.

MM-151L **Maintenance Mechanic Laboratory I**
5 Credits

Maintenance Mechanic Lab applies the skills learned in MM-151, including oxyacetylene and arc welding, precision measuring, tool usage, material usage, rigging, equipment installation, and alignment. Students will work on assigned tasks, projects, and performance tests.

MM-152 **Maintenance Mechanic Theory II**
7 Credits

This course provides instruction in the technical skills required in the safe use of GMAW and GTAW welding, industrial electricity, pipe fitting, coupling maintenance and alignment, bearings, packings, seals, and pumps. Prior completion of MM-151 with a grade of C- or better is required.

MM-152L **Maintenance Mechanic Laboratory II**
5 Credits

This laboratory applies the skills learned in MM-152 including exercises in GMAW (wirefeed) 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. Prior completion of MM-151 and MM-151L with a grade of C- or better is required.

MM-153 Maintenance Mechanic Theory III
2 Credits

This course continues instruction in safety, GTAW (TIG) welding, and industrial mechanic skills including flat pattern layout, sheet metal, and continued electrical practices. Prior completion of MM-152 with a grade of C- or better is required.

MM-153L Maintenance Mechanic Laboratory III
4 Credits

This laboratory applies skills learned in MM-153. Students will work on assigned tasks, projects, and performance tests. Prior completion of MM-151 and MM-152L with a grade of C- or better is required.

MM-155 Blueprint Reading
2 Credits

This course provides the maintenance mechanic/millwright with 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.

MM-156 Hydraulics
3 Credits

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. Hands-on applications are addressed in MM-152L.

MATHEMATICS

NOTE: Once placed in a mathematics course, students must pass that course with a C- or above before enrolling in the next course in the sequence. Courses in a sequence cannot be skipped once the student has been placed. Students should be prepared to provide a hard copy of their placement scores to their instructor.

MATH-015 Basic Mathematics
3 Credits

MATH-015 is an introduction to operations and applications of whole numbers, fractions, ratios and proportions, decimals, percents, positive and negative numbers, geometry, and solving algebraic equations. The course format includes lecture, frequent skill assessment, and available online support. Students are assisted in developing proficiency in basic computational skills, the language of mathematics, and problem solving required for pre-college level math courses.

Lecture: 3 hours per week

**MATH-021 Technical Mathematics for Auto/Diesel/
Outdoor Power/Recreational Vehicle**
3 Credits

This course is designed as a basic math course for students in the Automotive Technology, Diesel Technology, and Outdoor Power/Recreational Vehicle Technology technical programs. Appropriate applications for those specific technical programs will be stressed

throughout. The course will review operations of fractions and decimals, percents, ratios and proportion, calculator usage, signed numbers, evaluating formulas, equation solving, geometry, the metric system, and measurement tools.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Pre-Algebra > 32 or a grade of C- or above in MATH-015. These scores are under review—refer to the online catalog for up-to-date information.

**MATH-022 Technical Mathematics for Machining
and Computer Aided Design Technologies**
3 Credits

This course is designed as a basic math course for students in the technical programs of Machining and CNC Technology and Computer Aided Design Technology. Appropriate applications for those specific technical programs will be stressed throughout. The course will review calculator usage and explore plane and angular geometry, congruent and similar figures, circles, applications of right-triangle trigonometry, Law of Sines and Law of Cosines, vectors, and trigonometric functions.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Pre-Algebra > 32 or a grade of C- or above in MATH-015. These scores are under review—refer to the online catalog for up-to-date information.

**MATH-023 Technical Mathematics for Maintenance
Mechanic/Millwright/Heating, Ventilation,
and Air Conditioning/Welding**
3 Credits

This course is designed as a basic math course for students in the technical programs of Maintenance Mechanic/Millwright; Heating, Ventilation, and Air Conditioning; and Welding. Appropriate applications for those specific technical programs will be stressed throughout. The course will review operations with fractions, decimals, percents and signed numbers, ratios and proportions, the metric system, geometry, and right-triangle trigonometry.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Pre-Algebra > 32 or a grade of C- or above in MATH-015. These scores are under review—refer to the online catalog for up-to-date information.

MATH-024 Technical Mathematics
3 Credits

MATH-024 is designed as a basic math course for students in technical programs. Each section of the course will be specific to one technical program and appropriate applications for that program will be stressed throughout. All sections will review operations of fractions and decimals, percents, ratios and proportions, calculator usage, signed numbers, evaluating formulas, equation solving, geometry, and the metric system. Trigonometry will be introduced when appropriate.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Pre-Algebra > 32 or a grade of C- or above in MATH-015. These scores are under review—refer to the online catalog for up-to-date information.

MATH-025 Elementary Algebra
3 Credits

MATH-025 is an introduction to mathematical concepts dealing with signed numbers, variables, polynomials, exponents, factoring, solving and graphing first-degree equations, and inequalities. The course also introduces solving factorable second-degree equations. It

emphasizes the practical applications of these concepts. The course provides important skill-building for those who have not taken or have had difficulty with high school algebra.

Note: MATH-025 carries no credit if taken after successful completion of a higher numbered math course.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Pre-Algebra > 44 or a grade of C- or above in MATH-015

MATH-102 Computational Skills for Allied Health 3 Credits

MATH-102 includes instruction in systems of measurement (including metric and apothecary); conversions; reductions; dimension analysis; interpreting drug orders and labels; calculating oral, parenteral, and pediatric dosages; intravenous (IV) and advanced IV calculations; ratios and proportions; solving linear equations, formulas, and solution; and mixture problems. MATH-102 does not satisfy the core math requirement for the A.A. or A.S. degrees.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Algebra > 40, ACT Math > 18, SAT Math > 430, or a grade of C- or above in MATH-025. Enrollment is limited to Practical Nursing and Pharmacy Technician students.

MATH-108 Intermediate Algebra 4 Credits

MATH-108 continues development of mathematical concepts beyond MATH-025 or first year high school algebra. It includes linear and quadratic equations, algebraic fractions, radicals, circles and parabolas, complex numbers, functions, and logarithms. There is an emphasis on the application of these skills. The course provides important skill building for entry into college-level math courses. Enrollment is based on placement test results. This course does not fulfill the math requirement for the A.A., A.S., or A.A.S. degrees.

Note: MATH-108 carries no credit if taken after successful completion of a higher numbered math course with the exception of MATH-123 or MATH-130.

Lecture: 4 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Algebra > 40, ACT Math > 18, SAT Math > 430, or a grade of C- or above in MATH-025

MATH-123 Contemporary Mathematics 3 Credits

In MATH-123, mathematical methods and concepts are applied to modern day situations. Intended primarily for liberal arts majors, this course offers many useful techniques and insights for our increasingly technical world. It is assumed that students coming into the course have a working knowledge of algebra at an intermediate level. Topics may vary as textbooks change, but typically include a variety from the following: voting theory, apportionment, probability, statistics, consumer finance, paths and networks, scheduling, fair division, right-angle trigonometry, similarity and scaling, exponential and logistic growth, renewable resources, linear programming, and game theory. MATH-123 satisfies the math requirement for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Algebra > 45, ACT Math > 19, SAT Math > 460, or a grade of C- or above in MATH-108

MATH-130 Finite Mathematics 4 Credits

MATH-130 is the study of solutions and practical applications to systems of linear equations and inequalities, linear programming, sets, counting techniques, probability, and elementary concepts of statistics. This course provides useful skills to aid decision making in many diverse fields, but focuses primarily on business applications. It satisfies the mathematics requirement for the A.S., A.A., and A.A.S. degrees and is often required for transfer business degrees.

Lecture: 4 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Algebra > 45, ACT Math > 19, SAT Math > 460, or a grade of C- or above in MATH-108

MATH-143 College Algebra 3 Credits

MATH-143 begins by taking a deeper look at the definition of functions, their properties and notation in both an algebraic and graphical context. The course then focuses on the study of equations and graphs of polynomial, rational, exponential, and logarithmic functions. Additional topics include conic sections and sequences. This course prepares students for MATH-160. The combination of MATH-143 followed by MATH-144 may be used in place of MATH-147 as the prerequisite for MATH-170. MATH-143 satisfies the math requirement for the A.A., A.S., and A.A.S. degrees.

Note: MATH-143 carries no credit if taken after successful completion of any higher numbered math course with the exception of MATH-148.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Algebra > 61, ACT Math > 23, SAT Math > 540, or a grade of C- or above in MATH-108

MATH-143D College Algebra-Computer Aided Drafting Technology Applications 1 Credit

MATH-143D is a lab/recitation course for students in the Computer Aided Drafting Technology program. This course includes radian measure, applications of right-triangle trigonometry, areas of triangles, Laws of Sines and Cosines, and vectors. Mathematical modeling with drafting emphasis is stressed.

Lecture/Recitation: 1 hour per week

Prerequisites: MATH-108, MATH-143, or successful completion of two years of high school algebra and an appropriate score on the placement test

Corequisite: MATH-143

MATH-143E College Algebra- Electronics Applications 1 Credit

MATH-143E is a lab/recitation course for students in the Electronic Technology program. This course includes radian measure, applications of right-triangle trigonometry, graphs of trigonometric functions, complex numbers, polar coordinates, and vectors. Mathematical modeling with electronics emphasis is stressed.

Lecture/Recitation: 1 hour per week

Prerequisites: MATH-108 or successful completion of two years of high school algebra and an appropriate score on the placement test

Corequisite: MATH-143

MATH-144 Analytic Trigonometry 2 Credits

MATH-144 includes angles, trigonometric functions, their graphs and the application thereof, right-triangle trigonometry, trigonometric identity verification, trigonometric formulas, inverse trigonometric functions, and the law of sines and cosines. It satisfies two credits toward the mathematics requirement for the A.A., A.S., and A.A.S. degrees.

Note: MATH-144 carries no credit if taken after successful completion of any higher numbered math course with the exception of MATH-148, MATH-157, MATH-160, and MATH-253.

Lecture: 2 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS College Algebra > 51, ACT Math > 27, SAT Math > 620, or a grade of C- or above in MATH-143

MATH-147 5 Credits

Pre-Calculus

MATH-147 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. It is the study 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, and polar coordinates. This course prepares students for calculus courses which are required for degrees in mathematics, engineering, computer science, physics, chemistry, and others. It satisfies the mathematics requirement for the A.A., A.S., and A.A.S. degrees.

Note: MATH-147 carries no credit if taken after successful completion of any higher numbered math course with the exception of MATH-148. MATH-147 carries two credits if taken after MATH-143.

Lecture: 5 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS Algebra > 61, ACT Math > 23, SAT Math > 540 or a grade of C- or above in MATH-108

MATH-148 1 credit

Mathematics Technology

This course explores the use of technological tools such as graphing calculators and mathematical software to solve problems in mathematics. Opportunities to perform basic operations including computation, graphing, and manipulation of statistical data are presented. Students are encouraged to compare different techniques and develop strategies to determine how to effectively utilize the available tools. This course counts as an elective toward the A.A. or A.S. degrees.

Lecture: 1 hour per week

Prerequisite: MATH-108 with a grade of C- or higher

MATH-157 3 Credits

Mathematics for Elementary Teachers I

MATH-157 is a lecture/lab course that is required for elementary teacher certification by the State of Idaho. It does not satisfy the math core requirement for the A.A. or A.S. degrees at NIC. This course provides prospective elementary school teachers with a problem-solving approach to the topics of the elementary school math curriculum. Focus is on teaching basic arithmetic operations on the set of real numbers while strengthening prospective teachers' mathematical skills and appreciation of mathematics.

Lecture: 3 hours per week

Lab: 1 hour per week

Prerequisite: Completion of MATH-143 or MATH-147 with a C- or better or an appropriate score on the placement test, either COMPASS College Algebra > 51, ACT Math > 27, SAT Math > 620

MATH-160 4 Credits

Survey of Calculus

MATH-160 is the introduction to calculus as used in business, social sciences, and life sciences. It focuses on functions, graphs, limits, the derivative, exponential and logarithm functions, and

integration applications. The course develops an understanding of the fundamentals of differential and integral calculus and how to apply these principles and theories to the solution of real problems. MATH-160 satisfies the math requirement for the A.A., A.S., and A.A.S. degrees.

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, and MATH-257.

Lecture: 4 hours per week

Prerequisite: Entry is based on an appropriate score on the placement test, either COMPASS College Algebra > 51, ACT Math > 27, SAT Math > 620, or a grade of C- or above in MATH-143 or MATH-147

MATH-170 4 Credits

Analytic Geometry and Calculus I

MATH-170 is an introduction to calculus as the mathematics of change and motion. It emphasizes limits, the derivative, techniques of differentiation, and the integral. This course builds a foundation for all further study in mathematics and science that is typically required in mathematics, engineering, computer science, physics, chemistry, and other transfer degrees.

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, and MATH-257.

Lecture: 4 hours per week

Prerequisites: Entry is based on an appropriate score on the placement test, either COMPASS College Algebra > 51 and Trigonometry > 51, ACT Math > 29, SAT Math > 650 or a grade of C- or above in MATH-144 or MATH-147

MATH-175 4 Credits

Analytic Geometry and Calculus II

MATH-175 is a continuation of the calculus sequence emphasizing techniques of integration, applications of integration, polar coordinates, parametric equations, sequences, and series. It is required for most transfer degrees in mathematics and science.

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, and MATH-335.

Lecture: 4 hours per week

Prerequisite: MATH-170 with a grade of C- or higher

MATH-187 4 Credits

Discrete Mathematics

MATH-187 is intended for computer science majors, mathematics majors, and for other students wishing to pursue in-depth study in computer science. Topics covered will include basic set theory, propositional and predicate logic, number systems, Boolean algebra, combinatorics, and graph theory. Little or no programming will be done.

Lecture: 4 hours per week

Prerequisite: MATH-147 with a grade of C- or higher

Recommended: Knowledge of programming language such as C++ or Java

MATH-253 3 Credits

Principles of Applied Statistics

MATH-253 is an introduction to statistical methods covering both descriptive statistics and inferential statistics, which includes hypothesis testing, correlations and regression, chi-square, and analysis of variance. Probability is included as needed. This course is suitable for a broad range of majors.

Lecture: 3 hours per week

Prerequisite: Entry is based on an appropriate score on the placement

test, either COMPASS Algebra > 61, ACT Math > 23, SAT Math > 540, or a grade of C- or above in MATH-130, MATH-143, or MATH-147

MATH-257 **Mathematics for Elementary School Teachers II**
3 Credits

This course is a lecture/lab course that is a continuation of MATH-157 and is required for elementary teacher certification by the State of Idaho. It does **NOT** satisfy the math requirement for the A.A., A.S., or A.A.S. degree. This course has a topical emphasis on statistics, probability, geometry, and measurement. It demonstrates the usefulness of math in ordinary life, the aesthetic side of math, and the overall richness of the study of geometry.

Lecture: 3 hours per week

Lab: 1 hour per week

Prerequisite: MATH-157 with a grade of C- or higher

MATH-275 **Analytic Geometry and Calculus III**
4 Credits

MATH-275 is a continuation of the calculus sequence. It includes the study of vectors and vector valued functions, and the ideas of the calculus of a single variable are extended to functions of several variables. Partial differentiation and multiple integration are used to examine Green's Theorem, Stokes' Theorem, and the Divergence Theorem from vector analysis. This course provides an understanding of the mathematics necessary for mathematics degrees and the study of multivariable physical phenomena in the physical science, chemistry, and engineering areas.

Note: MATH-275 carries no credit if taken after successful completion of MATH-370.

Lecture: 4 hours per week

Prerequisite: MATH-175 with a grade of C- or higher

MATH-335 **Linear Algebra**
3 Credits

This course includes the study of linear systems, matrices, determinants, vector spaces, linear transformations, eigenvalues, and diagonalization of matrices with applications.

Lecture: 3 hours per week

Prerequisite: MATH-170 with a grade of C- or higher

MATH-370 **Introduction to Ordinary Differential Equations**
3 Credits

MATH-370 studies classification, initial value problems, exact equations, second order equations with constant coefficients, variation of parameters, Laplace transforms, series methods, and linear and non-linear systems of equations amid various applications.

Lecture: 3 hours per week

Prerequisite: MATH-275 with a grade of C- or higher

MEDICAL ASSISTANT

MAST-100 **Phlebotomy**
2 Credits

This course provides students with the knowledge and skills needed for specimen collection in health care facilities. The fundamentals of blood drawing and testing will be taught. Students will perform multiple venous and capillary blood withdrawal techniques. Students will be trained in blood testing that is commonly used in health care 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.

Lecture: 1 hour per week

Lab: 3 hours per week

MAST-101 **Clinical Skills for Medical Assistants I**
3 Credits

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, and 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. The use of aseptic technique and universal precaution procedures will be emphasized throughout the course.

Lecture: 1.5 hours per week

Lab: 4.5 hours per week

Prerequisites: ALTH-106 and BIOL-175

Corequisite: CAOT-179

MAST-111 **Administrative Skills for Medical Assistants I**
3 Credits

This course introduces students to the components of the administrative aspects of work in a physician's office, medical clinic, and other health care 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.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisites: ALTH-106 and BIOL-175

Corequisite: CAOT-179

MAST-115 **Diseases of the Human Body**
2 Credits

This course provides an introduction to diseases of the human body. Topics will include infectious diseases, congenital conditions, neoplasms, and diseases which are specific to body systems.

Lecture: 2 hours per week

Prerequisites: ALTH-106 and BIOL-175

Corequisite: CAOT-179

MAST-180 **Introduction to Human Disease**
3 Credits

Students will be presented 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.

Lecture: 3 hours per week

Prerequisite: BIOL-175

Corequisite/Prerequisite: CAOT-179

MAST-201 **Clinical Skills for Medical Assistants II**
3 Credits

This course builds on the knowledge acquired in MAST-101. 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 medical assistant's role in assisting with 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.

Lecture: 1.5 hours per week

Lab: 4.5 hours per week

Prerequisites: MAST-100, MAST-101, MAST-111, and MAST-115 with a grade of C or better

MAST-205 Administration of Medications
3 Credits

This course provides the knowledge and skills necessary to safely administer medications in the ambulatory care setting. A review of the principles of pharmacology, standard math conversions, and calculation of medications will be provided. The use of aseptic technique and universal precautions procedures will be emphasized throughout the course. Students will be expected to demonstrate knowledge of HIPAA regulations, charting methodologies, and patient education skills acquired in previous Medical Assistant courses.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisites: MAST-100, MAST-101, MAST-111, and MAST-115 with a grade of C or better

MAST-211 Administrative Skills II
3 Credits

This course builds on the foundational knowledge provided in MAST-111 and provides 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 provides an introduction to health insurance programs, health care 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.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisites: MAST-100, MAST-101, MAST-111, and MAST-115 with a grade of C or better

MAST-215 Medical Assistant Externship
6 Credits

This course is the last component of formal education and training. Clinical externship is a non-paid, supervised, 270 contact hour experience working in an ambulatory health care setting.

Lab: 18 hours per week

Prerequisites: MAST-100, MAST-101, MAST-111, MAST-115, MAST-201, MAST-205, and MAST-211

MAST-216 Medical Assistant Externship
5 Credits

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.

Lecture: 1 hour per week

Lab: 12 hours per week

Prerequisites: CAOT-168, CAOT-179, CAOT-186, MAST-100, MAST-101, MAST-111, MAST-201, MAST-205, MAST-211, and PHAR-151

MAST-230 Certified Medical Assistant Exam Review
3 Credits

This course is designed to review the entire Medical Assistant program in preparation for the national CMA examination.

Lecture: 3 hours per week

Prerequisites: CAOT-168, CAOT-179, CAOT-186, MAST-100, MAST-101, MAST-111, MAST-115, MAST-201, MAST-205, MAST-211, and PHAR-151

MILITARY SCIENCE

MSA-101 Introduction to Military Science
1 Credit

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.

Lecture: 1 hour per week

Corequisite: MSA-111

MSA-111 Leadership Lab
1 Credit

Students will build fundamental characteristics of leadership using a military model and hands-on training in small group leadership.

Lab: 2 hours every other week

Corequisite: MSA-101

MSA-102 Fundamentals of Leadership and Management
1 Credit

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.

Lecture: 1 hour per week

Prerequisite: Complete MSA-101 with a minimum grade of C-

Corequisite: MSA-112

MSA-112 Leadership Lab
1 Credit

Students will build fundamental characteristics of leadership using a military model and hands-on training in small group leadership.

Lab: 2 hours every other week

Corequisite: MSA-102

MSA-151 ROTC Physical Fitness
2 Credits

This course is designed to introduce students to a physical fitness program that is used by the U.S. Army. Students will learn how to instruct a physical training exercise and will be tested on their ability to complete a two-mile run, two minutes of push-ups, and two minutes of sit-ups. Grades will be given for participation not scores. This course is open to all students. This course fulfills one

ASL-225 Introduction to Signing Professions
3 Credits

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.

Lecture: 3 hours per week

Prerequisites: ENGL-101 and ASL-101 or higher

CDA-101 Elementary Coeur d'Alene Language I
5 Credits

CDA-101 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. Successful completion of CDA-101 and CDA-102 allows entry into the intermediate level course that satisfies the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 5 hours per week

CDA-102 Elementary Coeur d'Alene Language II
5 Credits

CDA-102 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. The skills acquired in CDA-101 and CDA-102 will prepare students for the intermediate level course that satisfies the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 5 hours per week

Prerequisite: CDA-101

CDA-201 Intermediate Coeur d'Alene Language
4 Credits

CDA-201 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. This course satisfies four credits of the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 4 hours per week

Prerequisite: CDA-102

FLAN-106 Collaborative Cultural Exchange Program
1-2 Credits

This course is designed to match non-native speakers of English with American, or other native English students, to the mutual benefit of both. They will study and converse with one another in a structured and monitored situation, working on projects in established courses and in short-term EFL programs. The course may be repeated for a total of three credits.

Interactive Conversation Class: 2-4 hours per week, depending on credits

FLAN-207 Contemporary World Cultures
3 Credits

Foreign Language 207 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. It meets the

cultural diversity requirement for the A.A. degree and satisfies an arts and humanities requirement for the A.S. degree. The national culture selected for study may change each semester, allowing students to repeat the course for elective credit.

Lecture: 3 hours per week

FREN-101 Elementary French I
5 Credits

This course is designed for students with no previous language study. It provides training in the acquisition and application of basic language skills and culture. Successful completion of FREN-101 and FREN-102 allows entry into the intermediate level courses that satisfy the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 5 hours per week

FREN-102 Elementary French II
5 Credits

This course is the second semester of Elementary French and continues the acquisition and application of basic language skills and culture. Successful completion of this course gives students the required skills to take the intermediate level courses which satisfy the cultural diversity requirement of the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 5 hours per week

Prerequisite: FREN-101 or appropriate language placement test score

FREN-104 Open Door to French I
2 Credits

This course emphasizes conversation skills, contemporary language, and culture. The content is designed to meet the professional or leisure linguistic needs of the community.

Lecture: 2 hours per week

FREN-105 Open Door to French II
2 Credits

FREN-105 is a continuation of FREN-104. This course is designed to meet the linguistic needs of the community.

Lecture: 2 hours per week

Prerequisite: FREN-104

FREN-201 Intermediate French I
4 Credits

Intermediate French provides training in the acquisition and application of basic language skills and culture. It satisfies four credits of the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 4 hours per week

Prerequisite: FREN-102 or appropriate language placement test score

FREN-202 Intermediate French II
4 Credits

The second semester of Intermediate French provides additional training in the acquisition and application of basic language skills and culture. Intermediate French II satisfies four credits of the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 4 hours per week

Prerequisite: FREN-201 or appropriate language placement test score

GERM-101 Elementary German I
5 Credits

This course is focused 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.

Lecture: 5 hours per week

GERM-102 **Elementary German II**
5 Credits

This course is a continuation of GERM-101, stressing the further expansion of basic fluency in German.

Lecture: 5 hours per week

Prerequisite: GERM-101 or appropriate language placement test score

GERM-201 **Intermediate German I**
4 Credits

Intermediate German 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. This course meets the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 4 hours per week

Prerequisite: GERM-102 or appropriate language placement test score

GERM-202 **Intermediate German II**
4 Credits

This course is a continuation of GERM-201 and meets the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree.

Lecture: 4 hours per week

Prerequisite: GERM-201 or appropriate language placement test score

ITAL-101 **Beginning Italian I**
5 Credits

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 Italian language and culture, as well as the physical and political geography of Italy. Outside listening comprehension is a part of the course.

Lecture: 5 hours per week

ITAL-102 **Beginning Italian II**
5 Credits

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. Outside listening comprehension is a part of the course.

Lecture: 5 hours per week

Prerequisite: ITAL-101 or appropriate language placement test score

SPAN-101 **Elementary Spanish I**
5 Credits

This course includes the study of vocabulary, grammar, and pronunciation. It emphasizes the development of proficiencies in speaking, reading, listening, and writing and a better understanding of the language, culture, and geography of the Hispanic world. A lab is included in the course.

Lecture: 5 hours per week

SPAN-102 **Elementary Spanish II**
5 Credits

This course is a continuation of SPAN-101, emphasizing further

development of basic language fluency. A laboratory is included in the course.

Lecture: 5 hours per week

Prerequisite: SPAN-101 or appropriate language placement test score

SPAN-104 **Spanish for the Professions**
3 Credits

This course is a three semester-hour class focused on the needs of those who are, or will be, working in the community in occupations where a basic knowledge of the Spanish language and culture is needed. The course is not designed as an alternative to the traditional SPAN-101, -102, -201, and -202 sequences, but will focus on the special vocabulary, basic grammatical structures, and cultural insights needed to effectively serve the Spanish-speaking community. Special emphasis is placed on oral proficiency as it relates to various real-world applications corresponding to the profession selected for the particular course. Each semester a specific profession is chosen for emphasis on a rotational basis. The one-semester courses include Spanish for Medical Personnel, Spanish for Law Enforcement, and Spanish for Social Services. This course counts as a non-core elective for students working toward their degrees at NIC. No prior knowledge of Spanish is necessary.

Lecture: 3 hours per week

SPAN-184 **Open Door to Spanish I**
2 Credits

This introductory course is designed for students who wish to learn elementary communication skills in Spanish. Subjects discussed include traveling, food, lodging, and shopping. Students will gain practical conversation skills and become familiar with cultural differences likely to be encountered in the Hispanic world.

Lecture: 2 hours per week

SPAN-185 **Open Door to Spanish II**
2 Credits

SPAN-185 is a continuation of SPAN-184. Prior completion of SPAN-184 with a grade of C- or better is required.

Lecture: 2 hours per week

Prerequisite: SPAN-184

SPAN-201 **Intermediate Spanish I**
4 Credits

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. It meets the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree. Laboratory work is included.

Lecture: 4 hours per week

Prerequisite: SPAN-102 or appropriate language placement test score

SPAN-202 **Intermediate Spanish II**
4 Credits

SPAN-202 is a continuation of SPAN-201. This course has the same degree applications as SPAN-201. Laboratory work is included.

Lecture: 4 hours per week

Prerequisite: SPAN-201 or appropriate language placement test score

SPAN-205 **Intermediate Spanish Conversation**
3 Credits

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 acquisi-

tion of cultural and linguistic knowledge related to specific Spanish-speaking countries. This course is conducted entirely in Spanish.

Lecture: 3 hours per week

Prerequisite or Corequisite: SPAN-202

MUSIC-APPLIED

MUSA-112 **Introduction to Voice** *1 Credit*

This introductory level course is designed to provide group instruction in the basic techniques of vocal performance. This course will emphasize reading musical notation and vocal production. Students enrolling need no prior musical background. This course may be repeated for credit.

MUSA-114 **Individual Instruction** *2 Credits*

MUSA-114 provides individual instruction for non-majors in voice and on piano, guitar, and all orchestra and band instruments. Individual instruction in an area of choice 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.

Lecture/Lab: One half-hour session per week

MUSA-124 **Individual Instruction** *2 or 4 Credits*

MUSA-124 provides instruction in voice, piano, guitar, all band and orchestra instruments, and music 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.

Lecture/Lab: One half-hour lesson per week for 2 credits; one one-hour lesson per week for 4 credits.

Prerequisite: MUSA-114 or permission of instructor

MUSA-130 **Introduction to Piano** *1 Credit*

This introductory level 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*

This is the first in a four-semester sequence 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. A minimum grade of C- is required to advance to MUSA-146. This class may be repeated for a maximum of two credits.

Lecture: 2 hours per week

Prerequisite or Corequisite: MUSC-141 or permission of instructor

MUSA-146 **Piano Class II** *1 Credit*

This class is a continuation of MUSA-145 and prepares music majors and minors preparing for a keyboard competency exam. Technique, sight reading, harmonization, transposition, impro-

visation, and piano literature are areas of emphasis. A minimum grade of C- is required to advance to MUSA-245. This class may be repeated for a maximum of two credits.

Lecture: 2 hours per week

Prerequisite: MUSA-145 or permission of instructor

MUSA-245 **Piano Class III** *1 Credit*

MUSA-245 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. A minimum grade of C- is required to advance to MUSA-246. This class may be repeated for a maximum of two credits.

Lecture: 2 hours per week

Prerequisite: MUSA-146 or permission of instructor

MUSA-246 **Piano Class IV** *1 Credit*

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.

Lecture: 2 hours per week

Prerequisite: MUSA-245 or permission of instructor

MUSIC-COMPOSITION

MUSC-117 **Music Convocation** *0 Credit*

Concert attendance is required for all music majors. Attendance at six concerts is required each semester.

MUSC-120 **Fundamentals of Music** *3 Credits*

MUSC-120 is an introduction to the basic materials of music. Areas explored are acoustics, rhythmic and melodic notation of music, scales, keys, and basic harmony. Fundamentals of Music is for the novice or experienced musician who wants to develop or refresh music reading skills.

Lecture: 3 hours per week

MUSC-126 **Improvisation** *1 Credit*

MUSC-126 is an introductory course in the elements of music improvisation. Although a basic musical element in jazz, improvisation is used in every genre of music, including classical. This course is designed to study the theory and practice of improvisation. Elements of melodic structure, harmonic understanding, and musical structure will be studied in this course. Students will form small ensembles and practice elements of improvisation in the lab.

Lecture: 1 hour per week

Lab: 1 hour per week

MUSC-141 **Harmony and Theory I** *3 Credits*

MUSC-141 is 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, development of compo-

sition skills, and beginning analysis skills. It deals with harmonic practice from the year 1600 on. This course fulfills a theory requirement for music majors.

Lecture: 3 hours per week
Corequisite: MUSC-141L

MUSC-141L **Harmony and Theory I Laboratory**
1 Credit

This laboratory 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 fulfills a theory requirement for music majors and expands upon musical understanding developed in MUSC-141.

Lecture: 2 hours per week
Corequisite: MUSC-141

MUSC-142 **Harmony and Theory II**
3 Credits

This course is a continuation of MUSC-141, emphasizing expanded use of harmonies in writing and analysis. It fulfills a theory requirement for music majors.

Lecture: 3 hours per week
Corequisite: MUSC-142L
Prerequisite: MUSC-141

MUSC-142L **Harmony and Theory II Laboratory**
1 Credit

This laboratory is a continuation of MUSC-141L. It fulfills a theory requirement for music majors.

Lecture: 2 hours per week
Corequisite: MUSC-142
Prerequisite: MUSC-141L

MUSC-241 **Harmony and Theory III**
3 Credits

This course is a continuation of MUSC-142 with an emphasis on writing and analysis of music through the Romantic era. It fulfills a theory requirement for music majors.

Lecture: 3 hours per week
Corequisite: MUSC-241L
Prerequisite: MUSC-142

MUSC-241L **Harmony and Theory III Laboratory**
1 Credit

This laboratory is a continuation of MUSC-142L. It fulfills a theory requirement for music majors.

Lecture: 2 hours per week
Corequisite: MUSC-241
Prerequisite: MUSC-142L

MUSC-242 **Harmony and Theory IV**
3 Credits

This course is a continuation of MUSC-241 with emphasis on writing and analysis of music in the 20th century. It fulfills a theory requirement for music majors.

Lecture: 3 hours per week
Corequisite: MUSC-242L
Prerequisite: MUSC-241

MUSC-242L **Harmony and Theory IV Laboratory**
1 Credit

This laboratory is a continuation of MUSC-241L. It fulfills a theory requirement for music majors.

Lecture: 2 hours per week

Corequisite: MUSC-242

Prerequisite: MUSC-241L

MUSIC-HUMANITIES

MUSH-101 **Survey of Music**
3 Credits

Survey of Music 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. It fulfills an arts and humanities requirement for either the A.A. or A.S. degree.

Lecture: 3 hours per week

MUSH-127 **Survey of American
Popular Music Since 1900**
3 Credits

MUSH-127 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. It fulfills an arts and humanities requirement for the A.S. degree and a cultural diversity requirement for the A.A. degree.

Lecture: 3 hours per week

MUSH-140 **Introduction to Music Literature**
3 Credits

MUSH-140 is an introduction to the art and nature of music with an emphasis on aural skills, historical styles, musical forms, and the literature of music. It is designed for freshman music majors and other students interested in humanities-oriented subject matter. This course fulfills an arts and humanities requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

MUSH-163 **Survey of World Music**
3 Credits

This course explores 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 the student's 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 topics. Though a knowledge of music is helpful, a music background is not required. It partially fulfills the arts and humanities requirement for the A.S. degree and the cultural diversity requirement for the A.A. degree.

Lecture: 3 hours per week

MUSIC-PERFORMANCE

MUSP-103 **North Idaho College Cardinal Chorale**
1 Credit

Cardinal Chorale 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

The North Idaho College Vocal Jazz Ensemble 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.

Prerequisites: Audition and permission of instructor

MUSP-106 **North Idaho College Wind Symphony**
1 Credit

The North Idaho College Wind Symphony 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

The Cardinal Pep Band is an instrumental ensemble designed to perform at athletics events and other school events. It may be repeated for credit.

Lecture: 2 hours per week

Prerequisites: Audition and permission of instructor

MUSP-110 **Vocal Ensemble**
1 Credit

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: 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.

Prerequisites: Audition and permission of instructor

MUSP-111 **Instrumental Ensemble**
1 Credit

Instrumental ensembles 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.

Prerequisites: Audition and permission of instructor

MUSP-113 **North Idaho Jazz Ensemble**
1 Credit

North Idaho Jazz Ensemble is a group 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.

Prerequisites: Audition and permission of instructor

MUSIC-TECHNOLOGY

MUSX-215 **Introduction to Digital Recording and Notation**
1 Credit

This course is an introduction to the use of digital recording and digital notation softwares on Macintosh computers for use in music recording, playback, and printing. The course provides musicians training in current technological advances important to the field of music.
Lecture: 1 hour per week

MUSX-216 **Advanced Digital Recording and Notation**
1 Credit

This is a continuation of MUSX-215 with an emphasis on mastery of advanced computer editing skills using digital recording and digital notation softwares.

Lecture: 1 hour per week

Prerequisite: MUSX-215

NURSING: PRACTICAL NURSING

NOTE: Course enrollment requires prior acceptance into the Practical Nursing program.

PN-106 **Practical Nursing Theory I**
6 Credits

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.

Prerequisite: Acceptance into the Practical Nursing program

PN-106L **Practical Nursing Laboratory I**
6 Credits

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.

Prerequisite: Acceptance into the Practical Nursing program

PN-107 **Practical Nursing Theory II**
8 Credits

PN-107 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, and PN-106L

PN-107L **Practical Nursing Laboratory II**
6 Credits

PN-107L 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, and PN-106L

PN-108 **Practical Nursing Theory III**
3 Credits

PN-108 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 and PN-107L

PN-108L **Practical Nursing Laboratory III**
5 Credits

Supervised clinical experience 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 and PN-107L

PN-205 Intravenous Therapy for LPNs-Part I
1 Credit

This course provides theory and hands-on instruction in skills relating to the LPN's role in IV therapy. It will include the essential responsibilities in IV therapy and the initiation and maintenance of IV infusion. The course meets the requirements for Part I of the Rules and Regulations of the Board of Nursing for LPNs who wish to perform functions related to IV therapy.

PN-210 Intravenous Therapy for LPNs-Part II
2 Credits

This course provides theory and hands-on instruction in all skills relating to the LPN's role in IV therapy. It will include the essential responsibilities in IV therapy, initiation, and maintenance of IV infusions, and monitoring and maintenance of central venous lines. The course meets the requirements of the Rules and Regulations of the Board of Nursing for LPNs who wish to perform functions related to IV therapy.

PN-215 Nursing Management for LPNs
3 Credits

This course provides theory and hands-on instruction in all skills relating to the LPN's role in nursing management. The course is designed to prepare the LPN to function in the role of charge nurse in long-term care facilities according to federal and state regulations. It gives the LPN the means to perfect management skills and assess them on a continuing basis.

NURSING: REGISTERED NURSING

NOTE: Enrollment requires prior acceptance into the program.

NURS-190 Nursing Practice I
8 Credits

NURS-190 provides the foundation for nursing practice and caring relationships. The course focuses on the whole person from birth through the lifespan. The course is directed toward the student's acquiring knowledge, increasing personal and professional understanding, and developing intellectual, interpersonal, and psychomotor nursing skills to assist the person in optimizing health. Learning experiences in health care agencies and community settings provide opportunities for students to apply course content utilizing therapeutic nursing interventions to assist individuals and families in meeting their needs as they adapt to lifespan stressors and environmental stressors.

Lecture: 4 hours per week

Lab: 12 hours per week

Prerequisites: BIOL-227, BIOL-228, and ENGL 101

NURS-195 Nursing Practice II
8 Credits

NURS-195 focuses on the medical-surgical management of pathological processes common through the lifespan, effects on person/family, and implications for nursing care. The course emphasizes the application of the nursing process, caring relationships, and other therapeutic nursing interventions to assist the person in adaptation. Learning experiences in health care settings provide students with

opportunities to develop skills in implementation of the nursing process, application of communication abilities, caring behaviors, and utilization of therapeutic nursing interventions.

Lecture: 4 hours per week

Lab: 12 hours per week

Prerequisites: NURS-190, BIOL-250, PSYC-101, and COMM-101

NURS-196 LPN Transition
4 Credits

This eight-week course is intended for students who are Licensed Practical Nurses and are seeking advanced placement in the Associate's 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.

Lecture: 3.75 hours per week for 8 weeks

Lab: 11.25 hours per week for 8 weeks

NURS-198 Nursing Practice Clinical Practicum
1 Credit

This course is an elective for students enrolled in the Associate's Degree Nursing program. It 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.

Lab: 45 hours per two-week block

Prerequisite: NURS-190

NURS-290 Nursing Practice III
8 Credits

Nursing Practice III focuses on providing nursing care for persons and families experiencing acute or chronic illness. The course also focuses on providing care for persons and families with mental health disorders. Emphasis is placed on utilizing knowledge of the altered physiology/pathology, treatment modalities, critical thinking, and therapeutic nursing interventions to optimize health. Learning experiences in health care settings provide students with opportunities to further develop nursing competencies while collaborating with others in caring for multiple clients.

Lecture: 4 hours per week

Lab: 12 hours per week

Prerequisites: NURS-195, ENGL-102, SOC-101, and a MATH course that meets the A.S. degree requirements

NURS-295 Nursing Practice IV
9 Credits

Nursing Practice IV 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.

Lecture: 4 hours per week

Lab: 15 hours per week

Prerequisite: NURS-290

OUTDOOR POWER/ RECREATIONAL VEHICLE TECHNOLOGY

OPRV-105 **Orientation/Safety/Shop Practices** *2 Credits*

This course introduces students to on-campus services including the library and College Skills Center. It includes instruction about the industry including wages, job opportunities, and the nature of the work. Instruction will be provided on a variety of general shop practices, procedures, shop safety, and proper equipment usage.

OPRV-110 **2- and 4-Cycle Gas Engines** *5 Credits*

This course teaches students how to identify, repair, rebuild, and/or replace small engines used in outdoor power equipment. Students will learn two-stroke and four-stroke combustion engine theory as well as engine performance criteria. They will gain understanding in the operation and basic principles of the various components and their respective systems related to small engines.

OPRV-110L **2- and 4-Cycle Gas Engines Lab** *2 Credits*

Students will receive hands-on experience using hand and power tools in performing repairs and maintenance on a variety of 2- and 4-cycle gas engines and related components common to outdoor power equipment. Emphasis will be placed on industry accepted practices and techniques as well as shop safety.

OPRV-120 **Power Equipment Service and Repair** *5 Credits*

This course includes the study of hydraulic system principles and operation, transmission and final drive theory of operation, and advanced electrical system concepts. Students will learn proper disassembly, measuring, reassembly, and troubleshooting procedures. They will gain an understanding of the operation and basic principles of the various components and their respective systems related to outdoor power equipment.

OPRV-120L **Power Equipment Service and Repair Lab** *2 Credits*

Students will receive hands-on experience using hand and power tools in performing repairs and maintenance on outdoor power equipment. Instruction will utilize group and individual class projects including a variety of mock-ups, training aids, components, and limited live customer work.

OPRV-130 **ATV and Snowmobile Systems** *5 Credits*

This course will teach students fundamental principles of operation, troubleshooting techniques, and repair procedures for all-terrain vehicles and snowmobile equipment. Students will learn the basics of how to identify, repair, rebuild, and/or replace components and systems.

OPRV-130L **ATV and Snowmobile Systems Lab** *2 Credits*

Students will receive hands-on experience using hand and power tools in performing repairs and maintenance on various types of ATVs and snowmobiles. Instruction will utilize group and individual class projects including a variety of mock-ups, training aids, components, and limited live customer work.

OPRV-140 **Motorcycle Systems** *5 Credits*

This course will teach students the theory and principles of operation for various motorcycle systems. Students will be introduced to concepts related to engines, powertrains, chassis, suspension, electrical, warranty, pre-delivery, service and repair procedures, and performance characteristics.

OPRV-140L **Motorcycle Systems Lab** *2 Credits*

Students will receive hands-on experience using hand tools, power tools, and related shop equipment in performing troubleshooting, repairs and maintenance on various types of motorcycles. Instruction will utilize group and individual class projects including a variety of mock-ups, training aids, components, and limited live customer work.

OPRV-150 **Advanced Service Procedures** *2 Credits*

This course introduces students to advanced principles and concepts related to motorcycles, ATVs, and snowmobiles. Students will learn performance tuning and set-up procedures for various vehicle systems as well as racing and aftermarket applications.

OPRV-150L **Advanced Service Procedures Lab** *2 Credits*

This course introduces students to advanced performance applications as related to motorcycles, ATVs, and snowmobiles. In addition, students will have the opportunity to specialize in particular areas of interest related to occupational opportunities and learn various procedures related to those areas.

PARALEGAL

PLEG-105 **Civil Procedure and Litigation** *3 Credits*

Civil procedures is a course 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. This is a required course in the Paralegal and Legal Administrative Assistant programs.

Lecture: 3 hours per week

PLEG-106 **Introduction to Paralegal and Legal Ethics** *3 Credits*

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. 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. Law office administration is introduced and emphasis on legal fees, timekeeping, billing, and

docket control systems. This course is required in the Paralegal and Legal Administrative Assistant programs.

Lecture: 3 hours per week

Prerequisite: PLEG-101

PLEG-115

1 Credit

Legal Terminology

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.

Lecture: 1 hour per week

PLEG-125

3 Credits

Contracts

This course is a study of contract law as found in the Common Law and Article Two of the Uniform Commercial Code. This is a required course in the Paralegal program.

Lecture: 3 hours per week

Prerequisite: PLEG-210

PLEG-135

3 Credits

Torts

This course examines the principles of civil wrongs and liabilities (torts) including causes of action from negligence, industrial injuries, and professional malpractice. The course addresses fault and without-fault actions, strict liability, and intentional torts. Defenses and damages are also explored. This is a required course in the Paralegal program.

Lecture: 3 hours per week

Prerequisite: PLEG-210

PLEG-210

4 Credits

Legal Research and Writing

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. This is a required course in the Paralegal program.

Lecture: 3 hours per week

Lab: 2 hours per week

PLEG-220

4 Credits

Legal Research and Writing II

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. This is a required course in the Paralegal program.

Lecture: 3 hours per week

Lab: 2 hours per week

Prerequisite: PLEG-210

PLEG-240

3 Credits

Real Estate and Property Law

This course explores the law of real property including types of real

estate transactions and conveyances, forms and procedures, document recording, and title searches. Topics include deeds, contracts, deeds of trust, joint ventures, lease and rental agreements, mortgages, legal descriptions, liens and encumbrances, zoning and covenants, appraisals, titles, and foreclosure. This is an elective course in the Paralegal program.

Lecture: 3 hours per week

PLEG-245

3 Credits

Estate and Probate Practices and Procedures

This course is an introduction to the laws, practices, and procedures involving trusts, wills, guardianships, property transfer, and probate. It includes estate and inheritance taxation and estate planning. This is an elective course in the Paralegal program.

Lecture: 3 hours per week

Prerequisites: PLEG-101 and PLEG-105

PLEG-250

3 Credits

Family Law

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. This is a required course in the Paralegal program.

Lecture: 3 hours per week

Prerequisites: PLEG-105 and PLEG-210

PLEG-255

3 Credits

Administrative Law

This course is a review of federal and state administrative laws. Discussion topics include administrative agencies, administrative law procedures, the use of expert witnesses, evidence, constitutional and judicial limits, and judicial review. This is an elective course in the Paralegal program.

Lecture: 3 hours per week

PLEG-260

3 Credits

Criminal Law and Procedure

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. This is a required course in the Paralegal program.

Lecture: 3 hours per week

Prerequisites: PLEG-105 and PLEG-210

PLEG-265

3 Credits

Business Organizations

This course is designed to give the student a basic understanding of the formation and operation of business enterprises, focusing on sole proprietorship, general and limited partnerships, limited liability company, and the business corporation. Students will be introduced to the advantages of each form of business enterprise and will learn how to draft various business-related documents. This is an elective course in the Paralegal program.

Lecture: 3 hours per week

PLEG-270

3 Credits

Bankruptcy and Creditor's Rights

This course is an examination of bankruptcy laws and proceedings. Discussion topics include attachments, collection, executions, garnishment, liquidation, and reorganization. This is an elective course in the Paralegal program.

Lecture: 3 hours per week

PLEG-275 Evidence and Legal Transcription
 3 Credits

This course will examine specific legal issues pertaining to the laws of evidence, including the transcribing of documents complying with evidentiary requirements. 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 witnesses, character evidence, and corroborating evidence. This course also provides an introduction to the transcribing and formatting of the legal documents required in different substantive areas of law.

Lecture: 3 hours per week

Prerequisites: CAOT-211, CAOT-212, PLEG-106, and PLEG-115

PLEG-290 Paralegal Internship I
 3 Credits

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. The course is graded on a satisfactory/unsatisfactory basis. This is a required course in the Paralegal program. Instructor permission is required.

In-Office Work: 9 hours per week

Prerequisites: CAOT-213, CAOT-214, PLEG-105, PLEG-106, and PLEG-210

PLEG-291 Paralegal Internship II
 3 Credits

This course is a continuation of PLEG-290. This course is graded on a satisfactory/unsatisfactory basis. This is an elective course in the Paralegal program. Instructor permission is required.

In-Office Work: 9 hours per week

Prerequisite: PLEG-290

PHARMACEUTICAL MANUFACTURING
PHMF-100 Pharmaceutical Manufacturing Principles
 3 Credits

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.

Lecture: 3 hours per week

PHMF-105 Quality Systems and Regulations
 2 Credits

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.

Lecture: 2 hours per week

PHARMACY TECHNOLOGY
PHAR-110 Pharmacy Law and Ethics
 2 Credits

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-151 Introduction to Pharmacology
 2 Credits

This course is designed to provide an overview of pharmacologic principles with an emphasis on therapeutic drug classifications. 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-152 Advanced Pharmacology
 3 Credits

PHAR-152 is designed to teach students how to categorize commonly prescribed/dispensed oral and injectable drugs into their therapeutic drug classifications. Emphasis will be on the top 200 prescription drugs and top 100 injectable drugs prescribed in the U.S. For each top 200 drug, the student will distinguish between generic and brand name, recognize common indications and identify available dosage forms, strengths, routes of administration, common dosing regimens, contraindications, side effect profiles, and significant drug interactions. As the therapeutic drug classifications are studied, human medical conditions (as related to anatomy and physiology) will be reviewed.

Prerequisite: PHAR-151

PHAR-171 Applied Pharmacy Tech I
 3 Credits

This course is designed to provide students with the 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 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 and 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 on preparing students for their first practicum experience during spring semester.

Prerequisite: Acceptance into the Pharmacy Technology program

PHAR-172 Applied Pharmacy Tech II
 2 Credits

PHAR-172 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.

Prerequisites: PHAR-171 and MATH-102

PHAR-175 Pharmacy Technician Certification Exam Preparation
1 Credit

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.

Lecture: 1 hour per week

PHAR-180 Pharmacy Technology Practicum and Seminar I
4 Credits

This 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-151 and PHAR-171

PHAR-185 Pharmacy Technology Practicum and Seminar II
4 Credits

This 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-152, PHAR-172, and PHAR-180

PHILOSOPHY
PHIL-101 Introduction to Philosophy
3 Credits

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. It fulfills an arts and humanities requirement for the A.S. and A.A. degrees.

Lecture: 3 hours per week

Recommended: ENGL-101

PHIL-103 Ethics
3 Credits

Ethics 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. It fulfills an arts and humanities requirement for the A.S. and A.A. degrees.

Lecture: 3 hours per week

Recommended: ENGL-101

PHIL-111 World Religions
3 Credits

World Religions presents an overview of the historical and cultural settings, main beliefs, and practices of American Indian indigenous spirituality and the great Eastern and Western religions, including

Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Attention is given to similarities and differences in concepts of humanity and our relations 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. It fulfills the cultural diversity requirement for the A.A. degree and an arts and humanities requirement for the A.S. degree.

Lecture: 3 hours per week

Recommended: ENGL-101

PHIL-201 Logic and Critical Thinking
3 Credits

PHIL-201 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. It fulfills the critical thinking requirement for the A.A. degree and an arts and humanities for the A.S. degree.

Lecture: 3 hours per week

Recommended: ENGL-101 and/or COMM-101

PHIL-205 Political and Social Philosophy
3 Credits

This class will examine some of the fundamental questions that have shaped Western political thought since its inception in fifth century B.C. Athens, together with some of the most influential answers that political theorists since then have proposed. Some of the issues to be addressed include the essential characteristics of human nature and the good society, the relationship between the individual and society, and the fundamental dynamics of political change. The questions associated with these issues include: "Is human nature essentially spirit or matter?" "Is human nature fixed or malleable?" "Is it innately violent and aggressive or non violent and cooperative?" "What is the relationship of individual freedom to social and political authority?" "What constituted legitimate political authority?" "What constitutes legitimate political authority?" "Are there inexorable laws of history that produce change?" "Are humans fundamentally equal or unequal?" Students will also investigate the timeless theme of idealism and realism in political philosophy on the national and on the international level. It fulfills the social science requirement for the A.A. degree and a social science for the A.S. degree.

Lecture: 3 hours per week

Recommended: PHIL-101

PHIL-220 Asian Philosophy
3 Credits

This course will examine the major Asian philosophical traditions of India, China, and Japan with a focus on the epistemological, political, and ethical issues that characterize each of these traditions. Students will study Buddhism, Taoism, Confucianism, Hinduism, and yoga as well as become familiar with contemporary Asian philosophical spokespersons such as Mahatma Gandhi, Sri Aurobindo, and Lin Yutang. This course will transfer as an elective, but students are encouraged to contact their transfer institution for articulation details.

Lecture: 3 hours per week

Recommended: PHIL-101

PHOTOGRAPHY
PHOTO-183 Introduction to Digital Photography
3 Credits

This introductory 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 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 (at minimum) a 5-megapixel digital camera with aperture priority, shutter priority, and exposure compensation. Students are also responsible for all digital storage media.

Lecture: 3 hours per week

PHTO-285 Nature Photography
3 Credits

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.

Lecture: 3 hours per week

Prerequisite: PHTO-181, PHTO-183, or PHTO-281 with a grade of C- or better

PHTO-288 Intermediate Digital Photography
3 Credits

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 create a portfolio of unique photographs to fit one of those themes. Students entering this course must have (at minimum) a 5-megapixel 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.

Lecture: 3 hours per week

Prerequisite: PHTO-183 with a grade of C or better

PHTO-289 Photojournalism
3 Credits

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 (at minimum) a 5-megapixel digital camera with aperture and shutter priority and exposure compensation. Students are also responsible for all digital storage media.

Lecture: 3 hours per week

Prerequisite: PHTO-181, PHTO-183, or PHTO-281 with a grade of C- or better

courses as kayaking, rock climbing, sailing, equitation, mountain biking, golf, racquetball, bowling, cardio training, lake kayaking/canoing, skiing and snowboarding, whitewater rafting, wilderness backpacking, wilderness survival, whitewater guiding, mountaineering, mountaineering II, outdoor adventure, outdoor program leadership, team dynamics, care and prevention of athletic injuries, lifeguard training, first aid, rowing, swimming, swim conditioning, water aerobics, fly fishing, fencing, and dance.

ACTIVITY COURSES:

The following courses fulfill physical education activity course requirements for the A.A. and A.S. degrees with the exception of PE-112 courses. Courses may be repeated for a total of four credits. In special situations, subject to approval by the division chair, students may be allowed to exceed the maximum number of credits.

PE-105Z Cheerleading
1 Credit

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 satisfies one of the physical education requirements for the A.A. and A.S. degrees and may be repeated for a total of four credits.

PE-110A Beginning/Intermediate Swimming
1 Credit

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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110B Beginning Whitewater Kayaking
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110C Beginning Rock Climbing
1 Credit

The purpose of this course is to introduce the lifetime sport of rock climbing. This course emphasizes the basic skills needed for the safe and enjoyable participation of this sport. Basic skills and knowledge include climbing technique, equipment, belay techniques, knots, rope work, anchors, safety, and rescue information. Suggested reading is *Mountaineering: The Freedom of the Hills, 7th Edition*. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PHYSICAL EDUCATION

NOTE: Some physical education activity and lecture courses have an extra fee which is payable at registration. These fees are for such

PE-110CC
1 Credit

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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Tai Chi
PE-110D
1 Credit

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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Beginning Sailing
PE-110E
1 Credit

The purpose of this course is to develop techniques that enhance strength, flexibility, and body/mind awareness through breathing, yoga postures, concentration, and relaxation. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Beginning Yoga
PE-110F
1 Credit

The purpose of this course is to enable students to improve their cardiovascular fitness and muscular strength, as well as gain knowledge about basic exercise physiology and personal health and wellness. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Cardiovascular Training
PE-110G
1 Credit

Equitation is 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Equitation
PE-110H
1 Credit

This course introduces exercise techniques specifically for the woman's body. Students will be taken through a variety of stretches, exercises, and postures while being taught the benefit of each. The course includes isometrics, strengthening exercises, yoga, calisthenics, light aerobics, stress-relieving techniques, walking sessions, and discussions on diet concerns. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Exercise for Women
PE-110I
1 Credit

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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Prerequisite: PE-110E

Intermediate Yoga
PE-110J
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Jogging/Powerwalking
PE-110K
1 Credit

Cardio Kickboxing 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Cardio Kickboxing
PE-110L
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Lake Kayak/Canoe
PE-110M
1 Credit

The focus of this course is core conditioning. This course encour-

Pilates

ages individuals to have a better body awareness. Students will challenge strength, balance, and learn principles of pilates and yoga. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110NN
1 Credit

Mall Walking

Mall walking is a low impact workout that utilizes proper walking techniques combined with upper body conditioning to improve and maintain cardiovascular fitness, muscular strength, flexibility, balance, and coordination. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-1100
1 Credit

Self-Defense

The purpose of this course is to introduce self-defense. The course emphasizes the basic skills needed for safe and enjoyable participation, along with self-defense skills for personal protection. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-1100O
1 Credit

Intermediate Self-Defense

The purpose of this course is to introduce intermediate self-defense. The course emphasizes the skills needed for safe and enjoyable participation, along with more advanced self-defense skills for personal protection. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110P
1 Credit

Skiing/Snowboarding

The purpose of this course is to learn basic skiing and snowboarding skills. The course focuses on skill improvement and development, equipment selection, and safety issues. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110Q
1 Credit

Step Aerobics

This step 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110QQ
1 Credit

Zumba

Zumba 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.

Activity: 2 hours per week

PE-110R
1 Credit

Strength Training

The purpose of this course is to teach 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110S
1 Credit

Swim Conditioning

The purpose of this course is to enable students to work on improving endurance, speed, and efficiency in the water as well as general cardiovascular fitness. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110SS
1 Credit

Open Water Swimming

The purpose of this course is to provide students with fundamental swimming techniques and water safety skills for the beginner open water swimmer. Basic swimming skills are required. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110T
1 Credit

Tone and Trim

The focus of this course is 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110TT
1 Credit

Spinning

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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110U
1 Credit

Water Aerobics

Water aerobics 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110V
1 Credit

Cardio Cross Training

The purpose of this course is to introduce multiple cardiovascular conditioning workouts. Students will learn how to monitor in-

tensities 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110V Introduction to CrossFit
1 Credit

CrossFit is an incredibly effective strength and conditioning program. CrossFit utilizes functional workout movements that are varied and performed to your personal intensity level. You will learn proper lifting, running, body weight and beginning gymnastics form, including biking, running, rowing, pull-ups, push-ups, squats, handstands, presses, dead lifts, and more. CrossFit is scalable, making it applicable for all fitness levels and ages. CrossFit is effective, usable, and best of all, fun. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110W Mountain Biking
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110X Kenpo Karate
1 Credit

The purpose of 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110XX Intermediate Kenpo Karate
1 Credit

The purpose of this course is to build on the skills acquired through the Kenpo Karate course. The course will emphasize the skills needed for safe and enjoyable participation, along with more advanced self defense skills for personal protection. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Prerequisite: PE-110X

PE-110Y Bowling
1 Credit

The focus of this course is 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-110Z Beginning Fly Fishing
1 Credit

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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-111A Basketball
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-111B Beginning Golf
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-111BB Intermediate Golf
1 Credit

The purpose of this course is to advance individual golf skills/knowledge to a higher level. The course will emphasize the basic skills needed for safe and enjoyable participation. The basic skills and knowledge include rules of the game, mechanics of the swing, establishing a repeatable swing, establishing a USGA handicap, basic club/grip assembly, and safety principles. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Prerequisite: PE-111B

PE-111C Multiple Sports
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

PE-111D
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Racquetball
PE-111E
1 Credit

The purpose of this course is to introduce the lifetime sport of softball. The course will emphasize the basic skills needed for safe and enjoyable participation. The basic skills and knowledge include rules of the game, fundamentals, strategies of the game, and safety principles. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Softball
PE-111F
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Beginning Tennis
PE-111FF
1 Credit

The purpose of this course is to advance the student's tennis skills/knowledge to a higher level. This course will focus on tennis stroke technique, control of the ball, consistency, accuracy, variety, power, and physical conditioning as well as singles and doubles strategy. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Prerequisite: PE-111F

Intermediate Tennis
PE-111G
1 Credit

The purpose of this course is to introduce the lifetime sport of volleyball. The course will emphasize the basic skills needed for safe and enjoyable participation. Basic skills and knowledge include rules of the game, passing, setting, serving, and basic principles of game play. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Volleyball
PE-111H
1 Credit

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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Whitewater Rafting
PE-111K
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Rowing
PE-111M
1 Credit

The purpose of this course is to introduce the lifetime sport of soccer. The course will emphasize the basic skills needed for safe and enjoyable participation. Basic skills and knowledge include rules of the game, fundamentals, strategies of the game, and safety principles. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Soccer
PE-111N
1 Credit

This course introduces students to Olympic-style fencing. Fencing has been part of the modern Olympics since its inception and comprises the three disciplines of foil, epee, and saber. Students will learn how to fence with the foil. The course will cover fencing movements (stances, footwork, and blade work), tactical concepts, Olympic fencing rules, proper use of equipment, and principles of safety. The course will prepare students for individual and team competitions. This course fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Beginning Fencing
PE-111NN
1 Credit

This course builds on skills introduced in Beginning Fencing. It focuses on refining fencing actions and combining skills in different tactical situations. The course covers additional footwork and blade actions and students will learn the basics of epee and saber fencing. Bouting will be emphasized. Students will have the opportunity to participate in a novice fencing tournament.

Activity: 2 hours per week

Prerequisite: PE-111N

Intermediate Fencing
PE-111O
1 Credit

The purpose of this course is to introduce 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits.

Activity: 2 hours per week

Outdoor Adventures
PE-111P
1 Credit

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.

Activity: 2 hours per week

Stand Up Paddle Boarding

PE-111S **Beginning Scuba Diver**
1 Credit

Beginning Scuba Diver 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.

Activity: 2 hours per week

PE-112B **Tai Chi for Seniors**
1 Credit

Tai Chi for Seniors 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. This senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

PE-112BB **Intermediate Tai Chi for Seniors**
1 Credit

Intermediate Tai Chi for Seniors 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. This senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

PE-112E **Yoga for Seniors**
1 Credit

Yoga 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. This senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

PE-112F **Tennis for Seniors**
1 Credit

This course focuses on learning and/or improving each student's fundamental tennis skills, match play, game strategy, and physical fitness. This senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

PE-112T **Senior Fitness**
1 Credit

The purpose of this course is to teach the lifetime fitness activity of weight training and yoga. This course will familiarize senior citizens with weight training equipment and teach proper training principles and mechanics through a circuit training workout. The yoga section of the course will focus on the development of tech-

niques which enhance strength, flexibility, and body/mind awareness through breathing, yoga postures, concentration, and relaxation. This senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

PE-112X **Kenpo Karate for Seniors**
1 Credit

The purpose of this course is to expose students to 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. Historical perspectives as well as philosophical overviews will be presented to familiarize students with all aspects of Kenpo Karate. This senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

ACTIVITY COURSES/VARSITY SPORTS:

The following courses fulfill physical education activity course requirements for the A.A. and A.S. degrees. Courses may be repeated for a total of two credits. In special situations, subject to approval by the division chair, students may be allowed to exceed the maximum number of credits.

PE-100 **Varsity Sports**
1 Credit

This course is restricted to freshman varsity athletes who compete in NIC soccer, softball, wrestling, golf, volleyball, and 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. This course satisfies a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of two credits.

PE-101 **Varsity Sports Strength Training**
1 Credit

This course is restricted to freshman varsity athletes who compete in NIC soccer, softball, wrestling, golf, volleyball, and basketball. The purpose of this course is to teach the lifetime fitness activity of weight training, focusing on these sport disciplines. 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 satisfies a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of two credits.

PE-200 **Varsity Sports**
1 Credit

This course is restricted to sophomore varsity athletes who compete in NIC soccer, softball, wrestling, golf, volleyball, and 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. This senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

PE-201 **Varsity Sports Strength Training**
1 Credit

This course is restricted to sophomore varsity athletes who compete in NIC soccer, softball, wrestling, golf, volleyball, and basketball. The purpose of this course is to teach the lifetime fitness activity of

weight training, focusing on these sport disciplines. 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 senior course does not meet A.A. or A.S. degree requirements.

Activity: 2 hours per week

PROFESSIONAL/ACADEMIC COURSES

The following courses are professional and/or academic courses and will not fulfill physical education activity requirements for A.A. and A.S. degrees.

PE-160 Foundations of Physical Education 3 Credits

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.

Lecture: 3 hours per week

PE-220 Sports Ethics 2 Credits

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.

Lecture: 2 hours per week

PE-221 Fitness Activities and Concepts 2 Credits

This course includes individual fitness development with focus on developing personal skills in presenting and teaching fitness activities for public and private sector programs. This is a combined lecture/lab course.

Lab/Lecture: 2 hours per week

PE-222 Wellness Lifestyles 3 Credits

Wellness Lifestyles examines contemporary health/wellness with emphasis on personal decision making and behavioral changes to create a personal lifestyle which promotes high level wellness.

Lecture: 3 hours per week

PE-223 Exercise Physiology 3 Credits

This course covers physiological responses/adaptations to exercise. Topics include neuromuscular, metabolic, cardiovascular, hormonal, and respiratory systems as they pertain to acute and chronic exercise. The goal of the course is to develop a basic understanding of exercise physiology that will allow students to utilize exercise physiology in their daily lives and future profession, and prepare students to take additional courses in exercise science.

Lecture: 3 hours per week

PE-224 Nutrition for Health, Fitness, and Exercise 3 Credits

This course examines the basic concepts of nutrition related to exercise training to improve fitness, health, and athletic performance.

Lecture: 3 hours per week

PE-225 Sports Psychology 3 Credits

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.

Lecture: 3 hours per week

PE-234 Team Dynamics 3 Credits

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.

Lecture: 1 hour per week

Lab: 4 hours per week

PE-237A Wilderness Backpacking 3 Credits

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

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

This course develops whitewater guiding skills and competencies through hands-on experience with attention given to the safety concerns of whitewater rafting. The skill and competencies include trip leadership, risk management, reading whitewater, maneuvering rafts, swiftwater rescue, and outfitting.

Lecture: 1 hour per week

Lab: 4 hours per week

PE-237D Mountaineering 3 Credits

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.

Lecture: 1 hour per week

Lab: 4 hours per week

PE-237DD Mountaineering II 1 Credit

This course builds on the skill sets acquired in PE-237D with special attention given to trip preparation, logistics, and route finding. Students will attempt to climb Mount Rainier. This course meets one P.E. requirement for A.S. and A.A. degrees.

Lab: 2 hours per week

Prerequisite: PE-237D or instructor permission

PE-237E Outdoor Programming and Leadership
3 Credits

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

This course introduces students to the importance of using a map and compass while working and recreating. It covers 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.

Lecture: 1 hour per week

Lab: 4 hours per week

PE-237G Avalanche Level 1
1 Credit

Students can expect to 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.

Lecture/Lab: 22.5 hours

PE-237H Introduction to Outdoor Cooking
3 Credits

This course is designed to teach the basic skills needed to cook meals in an outdoor setting. Students will learn to plan and prepare satisfying and interesting meals using the supplies and equipment needed in an outdoor environment.

Lecture: 3 hours per week

PE-237J Swift Water Rescue
3 Credits

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.

Lecture: 1 hour per week

Lab: 4 hours per week

Recommended: PE-237C

PE-241B Coaching Methods: Volleyball
2 Credits

This course offers instruction in methods of volleyball 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.

Lecture: 2 hours per week

PE-241C Coaching Methods: Soccer
2 Credits

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.

Lecture: 2 hours per week

PE-241D Coaching Methods: Softball/Baseball
2 Credits

This course offers instruction in methods of softball and baseball 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.

Lecture: 2 hours per week

PE-241E Coaching Methods: Basketball
2 Credits

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.

Lecture: 2 hours per week

PE-241F Coaching Methods: Wrestling
2 Credits

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.

Lecture: 2 hours per week

PE-242 Sports Officiating
2 Credits

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.

Lecture: 2 hours per week

PE-243 Play and Game Theory
2 Credits

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.

Lecture: 2 hours per week

PE-248 Care and Prevention of Athletic Injuries
3 Credits

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.

Lecture: 3 hours per week

PE-250 Clinical Athletic Training
3 Credits

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.

Lab: 10 hours per week

Prerequisites: Complete PE-248 and PE-288 with a grade of C-

PE-251 ACE Personal Trainer Certification
2 Credits

This course provides theoretical knowledge and practical skills in preparation for a national certification exam in personal training. Topics include guidelines for instructing safe, effective, and purposeful exercise; essentials of the client-trainer relationship; conducting health and fitness assessments; and designing and implementing appropriate exercise programming.

Lecture: 2 hours per week

PE-253 ACE Group Fitness Instructor Certification
2 Credits

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.

Lecture: 2 hours per week

PE-259 Lifeguard Training
2 Credits

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-266 Water Safety Instructor
2 Credits

This course involves training in water safety for the aquatics instructor and meets requirements for the American Red Cross Water Safety Instructor course. Emphasis is on theory and application of aquatic skills, teaching methods, and practice in instruction. It is designed for students interested in teaching aquatic skills and safety. Students will have the opportunity to qualify for American Red Cross (ARC) certification.

Prerequisites: Proficiency in swimming is required for Water Safety Instructor candidates. Students must be able to swim freestyle, backstroke, breaststroke, elementary backstroke, sidestroke for 25 yards, butterfly for 15 yards, and tread water.

PE-277 Lifeguard Instructor
1 Credit

This course offers training for those wishing to teach American Red Cross (ARC) Basic Water Safety, Emergency Water Safety, and Lifeguard Training courses. Emphasis is on the practice of teaching ARC methods. Students will have the opportunity to qualify for ARC certification. It is designed for students

interested in teaching aquatic skills and safety.

Prerequisite: Current lifeguard training certification is required.

PE-288 First Aid
3 Credits

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-101 Physical Therapy in Health Care**
2 Credits

This course will discuss the role of physical therapy in the health care world. The role of the physical therapist assistant in all settings and the role of physical therapy in the treatment of acute and chronic diseases will be explored. Students will also learn the legal and supervisory practices related to physical therapy. Personal and professional ethics as well as psychosocial aspects of health care will be discussed.

Lecture: 2 hours per week

Corequisites: BIOL-227, CAOT-179, ENGL-101, and MATH-123

PTAE-105 Therapeutic Modalities I
3 Credits

This course will provide an in-depth understanding of therapeutic modalities including heat, cold, compression, and aquatic therapies. Students will acquire knowledge and skills related to the use of hot packs, paraffin, fluidotherapy, heat lamps, cold packs, ice packs, ice massage, cold whirlpool, intermittent compression devices, and combination units involving cold with compression.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisite: PTAE-101

Corequisites: BIOL-228, PTAE-106, and PTAE-110

PTAE-106 Applied Kinesiology
3 Credits

This course will present a study of the biomechanics and function of the human body. By understanding the framework of the musculoskeletal anatomy, students will discover how the human body utilizes muscle stabilization, joint and ligament interactions, and motion to function in daily activities. Anatomy in function will be discussed in both normal and abnormal mechanics. Students will be expected to analyze tasks which span from simple activities of daily living to more complex occupational and athletic tasks.

Lecture: 2 hours per week

Lab: 3 hours per week

Corequisites: BIOL-228, PTAE-105, and PTAE-110

PTAE-110 Principles and Procedures of Physical Therapy
3 Credits

This course is an introduction to and practical application of practices used by the physical therapist assistant. Students will learn skills such as, transfers, bed mobility, assistive device use, wheelchair mobility, and safety. Students will also demonstrate an understanding of gait deviations and normal gait function. The use of prosthetics and orthotics will be demonstrated.

Lecture: 1 hour per week

Lab: 6 hours per week

Corequisites: BIOL-228, PTAE-105, and PTAE-106

PTAE-150
4 Credits**Clinical Affiliation I**

Utilizing the skills they have learned, students will assist with treatments of patients in a physical therapy setting. Students will learn the practical application of the techniques and science learned in their first year.

Lab: 10 hours per week

Corequisites: PTAE-105, PTAE-106, and PTAE-110

PTAE-201
3 Credits**Clinical Pathology**

Pathologic conditions of the musculoskeletal, neurologic, systemic, and immune systems will be defined. Common therapeutic treatments and care for these pathologic conditions will be explained. The inflammatory response will be examined in detail. Other pathologies discussed include oncology, developmental and genetic diseases, hemodynamic disorders, nutritional pathology, infectious disease, cardiovascular, pulmonary disorders, lymphatic, endocrine, and dermatological disorders.

Lecture: 3 hours per week

Prerequisite: PTAE-150

Corequisite: PTAE-206

PTAE-203
3 Credits**Therapeutic Exercise**

The course offers an explanation of strengthening and conditioning principles and how these principles relate to rehabilitation of dysfunction. Students will learn how factors such as range of motion, strength, endurance, power, speed, agility, balance, proprioception, and kinesthesia relate to function and rehabilitation.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisite: PTAE-150

Corequisite: PTAE-205

PTAE-205
3 Credits**Therapeutic Modalities II**

This course will present an in-depth exploration of electromechanical modalities including ultrasound, electrical stimulation, diathermy, and mechanical traction, phonophoresis, iontophoresis, and electrotherapy. The use of hydrotherapy with wound healing will also be explored.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisite: PTAE-150

Corequisite: PTAE-203

PTAE-206
3 Credits**Applied Anatomy and Physiology**

Students build on knowledge acquired in general anatomy and physiology to gain a deeper understanding of the human musculoskeletal and nervous systems. Student will be expected to apply knowledge related to cardinal planes, bones, muscles, joints, tendons, ligaments, nerves and muscular attachments, and areas of the central and peripheral nervous systems, along with their functions.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisites: BIOL-228 and PTAE-106

Corequisite: PTAE-200

PTAE-210
3 Credits**Manual Therapy**

Students will learn the use of a hands-on approach to treatment.

Manual therapy techniques will range from soft tissue mobilization, facilitation techniques, passive range of motion, active assistive range of motion, and proprioceptive neuromuscular facilitation. Wound care will also be discussed.

Lecture: 1 hour per week

Lab: 6 hours per week

Prerequisite: PTAE-203

Corequisite: PTAE-213

PTAE-211
2 Credits**Measurement and Assessment**

Students will learn techniques for accurate measuring of anthropometric measures, vital signs, range of motion, volumetric measures, gait speed, step length, balance, strength, and function. Students will learn oral and written communication used in physical therapy for reporting and documentation.

Lab: 6 hours per week

Prerequisite: PTAE-206

Corequisite: PTAE-220

PTAE-213
3 Credits**Neurological Rehabilitation**

This course will provide instruction on the principles used in rehabilitation of neurological conditions. The principles incorporate musculoskeletal and neurological therapeutic exercise across the lifespan. Proprioceptive neuromuscular facilitation, neurodevelopmental theory, and other facilitation techniques will be taught for use in rehabilitation medicine. Pediatric training for developmental conditions will be explored.

Lecture: 1 hour per week

Lab: 6 hours per week

Prerequisite: PTAE-203

Corequisite: PTAE-210

PTAE-220
1 Credit**Evidence-based Practice**

Students will be introduced to evidence-based practice by exploring current literature in physical therapy, critically examining study protocols and determining the applicability of research to clinical practice. Students will present a case study from their clinical experience.

Lecture: 1 hour per week

Prerequisite: PTAE-150

Corequisite: PTAE-211

PTAE-225
1 Credit**Clinical Education I**

This course is a clinical rotation in a local clinic. The goal is to offer exposure to various clinical settings within physical therapy. Students will be under the direction of a licensed physical therapist or physical therapist assistant. They will observe and assist with selected interventions with patients in the home health, sports medicine, and wellness clinic settings.

Lab: 3 hours per week

Prerequisite: PTAE-150

Corequisites: PTAE-203 and PTAE-205

PTAE-226
1 Credit**Clinical Education II**

This course is the second level of clinical education in which students will continue their rotations to various clinical settings. Students will be expected to perform interventions consistent with their educational preparation in the PTA program.

Lab: 3 hours per week

Prerequisite: PTAE-225
Corequisites: PTAE-210 and PTAE-213

PTAE-250 **Clinical Affiliation II**
4 Credits

Students will utilize the skills they have learned in their second-year classes to assist with treatment of patients in a physical therapy setting. They will learn the practical application of the techniques and science learned in their second year.

Lab: 12 hours per week
Prerequisites: PTAE-210, PTAE-211, PTAE-213, and PTAE-226

PTAE-255 **Clinical Affiliation III**
6 Credits

Students will utilize the skills they have learned in their PTA program classes to assist with treatment of patients in a physical therapy setting. They will learn the practical application of the techniques, art, and science learned throughout the program.

Lab: 18 hours per week
Prerequisite: PTAE-250

PHYSICS

PHYS-101 **Fundamentals of Physical Science**
4 Credits

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. It fulfills one of the laboratory science requirements for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week
Corequisite Lab: PHYS-101L (2 hours per week)

PHYS-103 **Elementary Astronomy**
4 Credits

PHYS-103 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. It fulfills a laboratory science requirement for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week
Corequisite Lab: PHYS-103L (2 hours per week)

PHYS-111 **General Physics I**
4 Credits

This course is the study of mechanics, sound, linear and rotational motion momentum, energy, vectors, elasticity, vibration, and mechanical wave motion. It fulfills a laboratory science requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week
Corequisite Lab: PHYS-111L (2 hours per week)
Prerequisites: MATH-147, or MATH-143, and MATH-144, or COM-PASS Trig > 21

PHYS-112 **General Physics II**
4 Credits

This is the study of electricity and magnetism, light, optics, and modern physics. It fulfills a laboratory science requirement for the A.A., A.S., and A.A.S. degrees.

Lecture: 3 hours per week
Corequisite Lab: PHYS-112L (2 hours per week)

Prerequisite: PHYS-111 or PHYS-211

PHYS-211 **Engineering Physics I**
5 Credits

This is 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 sound waves. It fulfills a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 4 hours per week
Corequisite Lab: PHYS-211L (2 hours per week)

Corequisite: MATH-170
Prerequisites: MATH-143 and MATH-144, or MATH-147, or appropriate score on the placement test

PHYS-212 **Engineering Physics II**
5 Credits

This is the study of heat and thermodynamics, electric and magnetic fields and potentials, DC and AC circuits, electromagnetic waves, and geometric and physical optics. It fulfills a laboratory science requirement for the A.S., A.A., and A.A.S. degrees.

Lecture: 4 hours per week
Corequisite Lab: PHY-212L (2 hours per week)

Corequisite: MATH-175
Prerequisites: MATH-170 and PHYS-211

POLITICAL SCIENCE

POLS-101 **American National Government**
3 Credits

POLS-101 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. It fulfills a social science requirement for A.A. and A.S. degrees.

Lecture: 3 hours per week

POLS-105 **Introduction to Political Science**
3 Credits

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 and fulfills a program requirement for A.A. and A.S. degrees.

Lecture: 3 hours per week
Recommended: ENGL-101

POLS-237 **International Politics and Problems**
3 Credits

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 and fulfills a program requirement and a social science requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

POLS-275 State and Local Government
3 Credits

Using a comparative approach, this course examines 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. This course fulfills a social science requirement for both the A.A. and A.S. degrees.

Lecture: 3 hours per week

POLS-298 Political Involvement Practicum
1-6 Credits

In this practicum, students are participants and observers within local, state, or national government. They will be supervised by a government employee and an NIC political science instructor. A maximum of two credits per semester is offered to students serving as student government officers/board members. This course is useful for students wishing to obtain practical experience in government operations. Permission of the instructor, who will find a practicum assignment for the student, is required.

PSYCHOLOGY

PSYC-101 Introduction to Psychology
3 Credits

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. This course fulfills a social science elective for both the A.A. and A.S. degrees.

Lecture: 3 hours per week

Recommended: Strong reading and writing skills

PSYC-205 Developmental Psychology
3 Credits

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.). This course fulfills

a social science requirement for both the A.A. and A.S. degrees.

Lecture: 3 hours per week

Prerequisite: PSYC-101

Recommended: Strong reading and writing skills

PSYC-210 Psychology of Personality
3 Credits

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.

Lecture: 3 hours per week

Prerequisite: PSYC-101

PSYC-211 Abnormal Psychology
3 Credits

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. This course will not fulfill a requirement for the A.A. or A.S. degree and may not be transferable.

Lecture: 3 hours per week

PSYC-218 Intro to Research in the Behavioral Sciences
4 Credits

PSYC-218 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 one-hour lectures 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.

Lecture: 3 hours per week

Lab: PSYC-218L (2 hours per week)

Prerequisite: PSYC-101

Corequisite: PSYC-218L

Recommended: Strong reading and writing skills

PSYC-223 Stress Management
3 Credits

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, values clarification, and will learn strategies for dealing with change, loss, and enhancing self-esteem.

Lecture: 3 hours per week

RADIOGRAPHY TECHNOLOGY

RADT-101 Introduction to Radiography
2 Credits

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.

Lecture: 2 hours per week

RADT-102 Patient Care in Radiography
3 Credits

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.

Lecture: 2 hours per week

Lab: 3 hours per week

RADT-104A Radiographic Images I
1 Credit

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.

Lecture: 1 hour per week

Prerequisites: RADT-108 and RADT-181 with a grade of C or higher

RADT-104B Radiographic Images I
1 Credit

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.

Lecture: 1 hour per week

Prerequisites: RADT-108 and RADT-181 with a grade of C or higher

RADT-105 Radiation Protection
2 Credits

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.

Lecture: 2 hours per week

RADT-106 Radiographic Procedures I
3 Credits

This course introduces radiographic anatomy and positioning procedures necessary to produce beginning diagnostic radiographs. Students will learn proper technical factors for different imaging situations, radiographic equipment operation, radiation protection, positioning terminology, patient considerations, and radiographic pathology.

Lecture: 2 hours per week

Lab: 3 hours per week

RADT-107 Radiography Physics
3 Credits

This course includes electromagnetic radiation, electromagnetism, and x-ray physics. Students will learn the x-ray circuit, generators, equipment, quality control, radiation units, production, interac-

tions, image intensification, fluoroscopy, conventional tomography, computed tomography, and mammography. Students will perform technique selection problems with advanced formula application.

Lecture: 3 hours per week

Prerequisites: RADT-108 and RADT-181 with a grade of C or higher

RADT-108 Radiographic Procedures II
2 Credits

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.

Lecture: 2 hours per week

Lab: 6 hours per week

Prerequisites: RADT-101, RADT-102, RADT-105, RADT-106, RADT-110, and RADT-180 with a grade of C or higher

RADT-110 Law and Ethics for Radiography
1 Credit

This 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.

Lecture: 1 hour per week

RADT-180 Clinical Education I
3 Credits

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.

Clinical: 135 hours

RADT-181 Clinical Education II
3 Credits

This course is the second course in clinical education for the Radiography Technology program. 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.

Clinical: 135 hours

Prerequisites: RADT-101, RADT-102, RADT-105, RADT-106, RADT-110, and RADT-180 with a grade of C or higher

RADT-182 Clinical Education II
6 Credits

This course is the second course in clinical education for the Radiography Technology program and 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.

Lab: 18 hours per week

Corequisites: RADT-104B, RADT-105, and RADT-108

Prerequisite: RADT-180 with a grade of C or higher

RADT-191 Clinical Education III
8 Credits

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.

Clinical: 360 hours

Prerequisites: RADT-108 and RADT-181 with a grade of C or higher

RADT-192 **Clinical Education III**
3 Credits

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.

Lab: 9 hours per week

Corequisites: RADT-202A and RADT-205

Prerequisites: RADT-108 and RADT-182 with a grade of C or higher

RADT-201 **Pharmacology and Contrast Procedures in Radiography**
2 Credits

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.

Lecture: 2 hours per week

Prerequisites: RADT-108 and RADT-181 with a grade of C or higher

RADT-202A **Radiographic Images II**
1 Credit

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 with emphasis on exam indication, pathology, positioning, radiographic technique, and anatomy demonstrated. Emphasis will be on higher level procedures.

Lecture: 1 hour per week

Prerequisites: RADT-104, RADT-107, RADT-191, RADT-201, and RADT-205 with a grade of C or higher

RADT-202B **Radiographic Images II**
1 Credit

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 with emphasis on exam indication, pathology, positioning, radiographic technique, and anatomy demonstrated. Emphasis will be on higher level procedures.

Lecture: 1 hour per week

Prerequisites: RADT-104, RADT-107, RADT-191, RADT-201, and RADT-205 with a grade of C or higher

RADT-205 **Radiographic Procedures III**
3 Credits

This course introduces students to advanced radiographic anatomy and positioning procedures. Students will learn advanced procedures, pathology, and image evaluation including the skull. This course includes an introduction to principles of pediatric radiography.

Lecture: 2 hours per week

Lab: 3 hours per week

Prerequisites: RADT-108 and RADT-181 with a grade of C or higher

RADT-206 **Radiographic Procedures IV**
2 Credits

This course introduces students to advanced imaging.

Lecture: 2 hours per week

Prerequisites: RADT-104, RADT-107, RADT-191, RADT-201, and RADT-205 with a grade of C or higher

RADT-291 **Clinical Education Option**
1 Credit

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, mobile radiography, surgery, fluoroscopy, outpatient imaging, interventional procedures, computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine, ultrasound, mammography, radiation therapy, and cardiovascular laboratory.

Clinical: 45 hours

Prerequisites: RADT-202, RADT-206, and RADT-292 with a grade of C or higher

RADT-292 **Clinical Education IV**
8 Credits

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.

Clinical: 360 hours

Prerequisites: RADT-104, RADT-107, RADT-191, RADT-201, and RADT-205 with a grade of C or higher

RADT-296 **Clinical Education V**
6 Credits

This course is the final 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.

Clinical: 270 hours

Prerequisites: RADT-202, RADT-206, and RADT-292 with a grade of C or higher.

RADT-297 **Senior Radiography Review**
1 Credit

This course is designed to prepare students to take the American Registry of Radiologic Technologists (ARRT) examination. Students will review the main content areas that are identified by the ARRT. Course review includes radiation protection, equipment operation, 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.

Lecture: 1 hour per week

Prerequisites: RADT-104, RADT-107, RADT-191, RADT-201, and RADT-205 with a grade of C or higher or permission from the director at (208) 665-4526

RADT-298 **Clinical Education V**
8 Credits

This course is the final course in clinical education for the Radiography Technology program. Students will be supervised in rotations through diagnostic areas and will perform increasingly difficult radiologic examinations on patients under direct supervision of a technologist until competency has been achieved.

Lab: 24 hours per week

Corequisite: RADT-201

Prerequisite: RADT-292 with a grade of C or higher

REAL ESTATE**RE-101**
3 Credits**Real Estate Module I**

The goal of this course is to provide students with the minimum competency to practice in the field of real estate. Topics include seeking employment with a brokerage firm, real estate licensing law, agency law, real property law, legal descriptions, forms of ownership, transfer of title, and limits on rights of ownership. This lecture/discussion course meets 45 hours of the 90-hour requirement for salesperson licensing in Idaho. No previous knowledge in the field of real estate is required. Module I and II can be used to meet the 60-hour preclicensing requirement in Washington.

RE-102
3 Credits**Real Estate Module II**

This course is the second 45-hour required course for real estate salesperson licensing in Idaho. Course topics include real estate contract law, listing and selling property, working with buyers and sellers, closing transactions, and ethical duties owed to the public. Practical case studies require students to understand and fill out various real estate forms such as seller and buyer agency agreements, purchasing agreements, and counter offers. Module I and II can be used to meet the 60-hour preclicensing requirement in Washington.

Prerequisite: Real Estate Module I

RESORT/RECREATION MANAGEMENT**RRM-100**
3 Credits**Intro to Hospitality and Tourism**

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 service, 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, an examination of managing human resources, and an exploration of the future of the industry.

Lecture: 3 hours per week

RRM-110
3 Credits**Wilderness First Responder**

This course is designed for students who will be working with groups in the backcountry setting at 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.

Lecture: 1 hour per week

Lab: 4 hours per week

RRM-120
3 Credits**Natural Resource Conservation and Management**

This course includes an overview of ethical practices and behavior for those utilizing wilderness resources. Topics of study include low-impact camping and traveling methods, history of environmental and wilderness ethics, and current issues in the outdoor

recreation industry. Students will learn guiding principles behind land management decisions and regulations.

Lecture/Lab: 3 hours per week

RRM-125 **Wilderness Ethics and Interpretation**
3 Credits

This course will have two distinct parts. The first part covers the concepts of wilderness ethics such as Leave No Trace and the Wilderness Act. The remainder of the course will focus on communicating these concepts to audiences in natural resource situations. Communication skills including environmental and cultural interpretation and multi-media presentations will be covered through discussion and practice.

Lecture: 3 hours per week

RRM-130
2 Credits**Terrain Park Management**

This course teaches students the techniques for building and maintaining terrain park features including documentation and decision-making processes critical to terrain park management. Students will be involved in building and maintaining terrain park features as well as learning about guest services, event planning, risk management, and marketing through hands-on training.

Lecture: 1 hour per week

Lab: 2 hours per week

RRM-135
1 Credit**Introduction to Ski Instruction**

This course provides thorough training in all aspects of entry-level ski instruction. It combines indoor theory with outdoor application and covers topics such as interpersonal communication in the lesson environment, the skills concept for snow sports, building logical progressions, group management and interaction, movement analysis, and giving feedback and creating change. It also includes on-snow clinics, personal ski/snowboard improvement clinics, and class observation/shadowing. This course is useful for anyone interested in a career in the recreation industry as it provides a frontline look at how to manage the guest experience in a variety of ways and situations.

Lecture: 8 hours

Lab: 16 hours

RRM-140
3 Credits**Leadership Principles**

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.

Lecture: 3 hours per week

RRM-220
3 Credits**Resort/Recreation Management Principles**

This course is an introduction to the principles of management and their relationship to the overall management of facilities, personnel, and programs. The development of supervisory skills and coaching techniques needed to improve the performance of employees are emphasized.

Lecture: 3 hours per week

RRM-225 **Event Planning and Management**
3 Credits

This course identifies the elements of event management and plan-

ning. 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.

Lecture: 3 hours per week

RRM-230 Leisure and Recreation Programming
3 Credits

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.

Lecture: 3 hours per week

RRM-250 Risk Management in the
3 Credits **Resort Industry**

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.

Lecture: 3 hours per week

RRM-290 Resort/Recreation
3 Credits **Management Internship**

Resort/Recreation Management Internship 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.

Internship Site Work Experience: 135 hours

SOCIAL SCIENCE

SOSC-102 Student Leadership Development
2 Credits

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.

Lecture: 2 hours per week

SOSC-103 Cultural Anthropology and Ecology
3 Credits

This course will take place at an isolated cabin in the John River Valley of northern Alaska's Brook's Range and focuses on the subsistence way of living that formed the basis from which all modern cultures, with their enormous diversity, have evolved. It is not a primitive survival experience, but a journey into the last periods of living simply with the land, on its terms, followed by the transition into modern times. The course presentation is experiential, coupled with reading and a strong component of discussion. It is not a lecture based course. The course will be presented in two parts.

SOSC-104 Resident Assistant Training
1 Credit

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.

Lecture: 1 hour per week

SOSC-107 Career Development and Life Planning
2 Credits

This course is designed to assist students in choosing meaningful and fulfilling career options. It provides students with the skills necessary to make informed and considered career decisions, and achieve academic and future success. These include enhancing self-understanding (such as interests, strengths-skills and abilities, values, preferred job characteristics, motivations, desired lifestyle, and personality) and information about the world of work (current information and future trends).

Lecture: 2 hours per week

SOCIAL WORK

SOWK-211 Preparing for Foster Care
2 Credits

This course provides the knowledge and skills needed for foster/adoptive parents to collaborate with social workers and other professionals in the Idaho Department of Health and Welfare to advance the needs of foster/adoptive children and their families. Permission of the Idaho State Department of Health and Welfare and the instructor are required.

Lecture: 2 hours per week

SOWK-240 Introduction to Social Work
3 Credits

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.

Lecture: 3 hours per week

SOWK-241 Social Work Generalist Practice
3 Credits

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.

Lecture: 3 hours per week

Recommended: SOWK-240

SOCIOLOGY

SOC-101 Introduction to Sociology
3 Credits

This introductory 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. This course fulfills a social science requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

SOC-102
3 Credits

Social Problems

This course investigates the persistent problems of American society as they relate to values, attitudes, and social change. Application of sociological principles to the identification and analysis of selected problems will be consistently developed. SOC-102 fulfills a social science requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

SOC-103
3 Credits

Cultural Diversity

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. This course fulfills a social science requirement for the A.A. and A.S. degrees or the cultural diversity requirement for the A.A. degree.

Lecture: 3 hours per week

Recommended: College level reading and writing

SOC-155
3 Credits

**Drug Abuse: Fact, Fiction,
and the Future**

This course is designed to provide information about drugs, their effects, and the laws and social implications relative to them. Students will learn about the causes of drug abuse, treatment modalities, community resources, alternatives, and problem-solving skills.

Lecture: 3 hours per week

SOC-220
3 Credits

Marriage and Family

SOC-220 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. This course fulfills a social science requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

Recommended: College level reading and writing skills

SOC-251
3 Credits

Race and Ethnic Relations

This course explores the influence of race and ethnic membership in structuring social interaction and behavior amongst people in the United States. Although the primary focus is in the ethnic experience in the U.S., comparative models will also be explored to provide a framework for the American situation. A major element of the course will be an investigation of the five major ethnic groups: Native Americans, Hispanics (Latinos), African-Americans, Asian-Americans, and white Americans; with a special emphasis on the condition of Native Americans. Principal topics will include historical aspects of race and ethnicity, theoretical viewpoints, causes of ethnic conflict, racism and prejudice, psychopathology and ethnicity, focal topics (e.g. affirmative action, "reverse" discrimination, bilingual education, immigration issues) and future trends and directions. This course will be helpful for individuals seeking to work in professions or environments where they will be in contact with members of diverse ethnic and racial groups. This course fulfills a social science requirement for the A.A. and A.S. degrees or the cultural diversity requirement for the A.A. degree.

Lecture: 3 hours per week

Recommended: PSYC-101

SOC-283
3 Credits

Death and Dying

This course introduces the concepts, attitudes, and social dynamics of death and dying, including various cultural perspectives. Topics include demographics, who dies and why, suicide, treatment of the dying and dead, religious and legal perspectives, stages of dying, caregiving, grief, and bereavement.

Lecture: 3 hours per week

THEATRE

THEA-101
3 Credits

Introduction to the Theatre

THEA-101 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. This course fulfills an arts and humanities requirement for the A.A. and A.S. degrees.

Lecture: 3 hours per week

THEA-102
3 Credits

Stage Makeup

THEA-102 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. Students must purchase a theatrical makeup kit which is approximately \$50.

Lecture/Lab: 5.5 hours per week

THEA-103 Introduction to Stagecraft
3 Credits

THEA-103 offers practical lab experience in applying theories and methods of scenery and prop design and construction. It focuses on the creative use of production tools and stage equipment. This course provides an opportunity to develop technical skills for theatre and media production for students exploring those career areas or who are interested in community theatre participation. Prior completion of other courses is not necessary.

THEA-104 Stagecraft II
3 Credits

THEA-104 offers the continuing theatre student an important step toward a major in Theater Arts. It is practical, hands-on experience in construction of major set components (from the preliminary illustration phase through onstage production). This course emphasizes application of techniques, skills, and attitude established in THEA-103. The course is also valuable for non-theatre majors who need to develop physical skills in building and construction with an emphasis on a creative approach to problem solving and various media use.

Lecture: 3 hours per week

Prerequisite: THEA-103

THEA-105 Basics of Performance I
2 Credits

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. Tickets to area theatrical shows may have to be purchased at a total cost of under \$12. Prior completion of other courses is not required.

THEA-106 Basics of Performance II
2 Credits

This course is a continuation of THEA-105, 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-105 are improved upon and include verbal and nonverbal communication techniques, memorization, script analysis, and the interpretation of character.

Prerequisite: THEA-105

THEA-163 Basics of Scene Design and Graphics
2 Credits

This course offers an introduction to visual interpretation, research, and rendering techniques used in scenery design. Emphasis is on creation of authentic and appropriate stage environments for 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.

Prerequisite: THEA-103

Recommended: THEA-263

THEA-190 Theatre Practice
1 Credit

Students participate 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. Prior completion of other courses is not required.

THEA-263 Technical Production
2 Credits

THEA-263 provides instruction and practice in the techniques of stage management and production roles and responsibilities. Students will participate in the design, development, and execution of NIC Theatre Department productions. This course offers an opportunity to develop stage management skills for theatre and media production for students exploring those career areas or who are interested in community theatre participation.

Prerequisite: THEA-103 or permission of instructor

THEA-271 Play Analysis
3 Credits

Focusing 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: THEA-101 and strong writing skills

THEA-272 Intermediate Acting
3 Credits

THEA-272 introduces the student actor to aspects of the Stanislavski system of acting and realistic acting techniques for the modern theatre. Emphasis is on character analysis, ensemble acting for an audience with exercises in concentration, observation, and use of inner truth and emotional recall. Skills learned include interpretive and internal techniques for character identification and bringing a character to life. Attention is given to improving verbal and non-verbal acting qualities. Some evening and weekend participation may be necessary.

Prerequisites: THEA-105 and THEA-106 or permission of instructor

THEA-273 Stage Lighting
3 Credits

THEA-273 provides an introduction to the theory and practice of lighting, with attention to visual interpretation and design of the performance environment for theatre, dance, and rock 'n' roll. This course offers an opportunity to develop technical lighting skills for theatre and media production for students exploring those career areas or who are interested in lighting support for community theatre, dance, and rock bands.

Recommended: Previous participation in theatrical productions and/or completion of THEA-103, THEA-163, and THEA-263

WELDING TECHNOLOGY

NOTE: Course enrollment requires prior acceptance into the Welding Technician program. Successful completion of each semester and/

WELD-175L
3 Credits**Gas Metal Arc Welding**

This course will introduce students to the methods and theory of wire feed welding. Instruction and practice on use of metallic inert gas welding with solid, stainless steel, and aluminum wire will be the major components of this course.

WELD-180L
3 Credits**Shielded Metal Arc Welding II**

Students will become proficient in advanced welding techniques of open root welding on plate, cast, aluminum, stainless steel, and other common metals and materials. AWS certification testing conditions will prevail on completion of this course.

WELD-185L
4 Credits**Gas Tungsten Arc Welding**

This course introduces students to the methods and theory of gas tungsten arc welding. Instruction and practice will focus on the use of metallic and non-metallic metals using inert gas welding with and without filler wire. Welding steel, stainless steel, and aluminum plate in all four positions will be the major components of this course.

Lab: 120 hours

WELD-196L
2 Credits**Carbon Arc/Plasma Arc Cutting**

This course includes instruction in the techniques of cutting using manual and machine processes and equipment. Students will practice using manual and machine methods on ferrous and nonferrous metals for both carbon and plasma arc cutting assignments.

Lab: 60 hours

WELD-200
3 Credits**Welding Metallurgy**

This is a continuation of WELD-100A and WELD-100B and includes further discussion on the problems associated with heating and cooling 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.

WELD-210
2 Credits**Welding Theory**

This course is a continuation of WELD-100A and WELD-100B. This is part three of a three-part class totaling six credits.

WELD-214
2 Credits**Mechanical Drawing**

This course introduces students to the concepts and techniques of mechanical drawing. It covers basic line drawings, use of mechanical drawing equipment, isometric and orthographic projections, and geometric drawings. Students will prepare geometrical drawings and draw layouts.

WELD-224
3 Credits**Advanced Mechanical Drawing**

This course builds upon the skills acquired in WELD-214. It covers detail drawings with proper dimensioning and tolerances, use of sectioning techniques, isometrics and oblique drawings, including pipe welding symbols and bill of materials.

Lecture: 3 hours per week

Prerequisite: WELD-214

WELD-230
1 Credit**Quality Control/NDT**

This course will emphasize ASME and AWS welding test procedures in SMAW, GMAW, and GTAW. Testing will be done in all positions and will include reading blueprints, using welding symbols, mathematics, and equipment setup. All procedures will follow those established in the national standards for specific classes of certification.

WELD-240
2 Credits**Layout Procedures**

This course enables 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. Student will also be able to calculate the layout of pipe including figuring offsets, runs, and travel distances.

WELD-281L
7 Credits**Shielded Metal Arc Welding**

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 E6010 on root pass, E7018 fill, and over passes. Qualification in various pipe fitter levels may be offered.

Lab: 14 hours per week

WELD-290
3 Credits**Gas Tungsten Arc Welding**

Students will learn 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 adjustments will be emphasized to match with welding applications.

WELD-291L
6 Credits**Gas Tungsten Arc Welding Lab**

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.

Lab: 12 hours per week



Administration/Application

North Idaho College 2012-2013

PRESIDENT'S CABINET

Joe Dunlap, Ed.D.

President

B.A., Whitworth University
M.B.A., City University
Ed.D., Oregon State University

Rayelle Anderson

Director of Development/ Executive Director NIC Foundation

A.A.S., North Idaho College
B.S., Montana State University

Mark Browning

Vice President for Community Relations and Marketing

B.S., Idaho State University

Ron Dorn

Vice President for Resource Management

B.S., Boise State University
M.A., Friends University

Stephen Ruppel

Director of Information Technology

A.S., University of Wisconsin
B.S., University of Wisconsin

Al Williams

Director of Athletics

B.A., University of Idaho
M.B.A., University of Phoenix

VACANT

Vice President for Instruction

VACANT

Vice President for Student Services

VACANT

Director of Human Resources

Name: _____

ACADEMIC INFORMATION

Have you taken the: ACT: Date _____ SAT: Date _____ COMPASS: Date _____

List the last high school you attended and any schools since, including colleges, trade schools, correspondence, etc. *Do not omit any schools.* Attach a separate sheet if more space is needed. Failure to list all schools attended, or submission of inaccurate information, is considered fraud and is cause for refusal of admission or dismissal from the institution. **Students seeking certificates or degrees must have official transcripts submitted from each school listed.** To be considered official, transcripts must be mailed in a sealed envelope directly from the school to the institution's admissions office.

Did/Will you graduate from high school? Yes (month/year _____ / _____) No

High School: _____ City: _____ State: _____

Do you have a GED or high school equivalency certificate? Yes (month/year _____ / _____) No
If yes, degree-seeking applicants are required to submit official GED test scores.

Are/Were you a Tech Prep Student? Yes No If yes, in which program area did you enroll? _____

PREVIOUS COLLEGE ATTENDANCE

Name of College, Trade School, etc.	City & State	Dates Attended	Grad. Date	Degree/# Credits Earned

RESIDENCY

Residency for community colleges is determined by county of residence. Checking any one box does not establish residency. Verification may be requested.

State of Residence: _____ From: ____ / ____ / ____ to: ____ / ____ / ____ If less than 12 months, previous state: _____

County of Residence: _____ From: ____ / ____ / ____ to: ____ / ____ / ____ If less than 12 months, previous county: _____

IF LESS THAN 12 MONTHS, Idaho residency status MAY be determined by one or more of the following. Please check all statements that are applicable if claiming Idaho residency for tuition purposes.

- One or more of my parents/legal guardians or spouse's parents is domiciled in Idaho and has maintained a bona fide domicile in Idaho for at least 12 months prior to the opening day of the term which I plan to enroll, **and** I receive at least 50% of my financial support from my parents/legal guardians.
Parent's name and address _____ From ____ / ____ / ____ to ____ / ____ / ____
- I receive **less than** 50% of my financial support from parents/legal guardians. I have continuously resided in Idaho for purposes other than education for at least 12 months prior to the opening day of the term which I plan to enroll.
- I am/will be a graduate of an accredited Idaho high school and I will attend this institution during the term immediately following high school graduation.
- I am married to an Idaho resident. My spouse is a resident of _____ County.
- I or my spouse is a member of the Armed Forces stationed in Idaho on military orders. I or my spouse is stationed in _____ County.
- I am an officer or an enlisted member of the Idaho National Guard.
- One or more of my parents/legal guardians, from whom I receive 50% or more of my support, is a member of the Armed Forces stationed in Idaho. They are stationed in _____ County.
- I have been separated under honorable conditions from the Armed Forces after at least two years of service. **Check one of the following:**
 - At the time of separation, I designated the State of Idaho as my intended domicile or indicated Idaho as my home of record, and I am entering this institution within one year of the date of separation.
 - I intend to make Idaho my state of residence and will actively establish domicile within one calendar year.
- I have been away from the State of Idaho for a period of less than 30 months. I have not established legal residence elsewhere. I was a resident of the State of Idaho for a continuous 12-month period immediately prior to departure.
- I am a member of one of the following Idaho American Indian tribes: Coeur d'Alene, Shoshone-Paiute, Nez Perce, Shoshone-Bannock, Kootenai, including Colville Confederated, Flathead, Kalispel, Pend Oreille, and Spokane **if** applying to NIC.

SIGNATURE

In signing this form, I acknowledge that failure to disclose and submit accurate information may result in denial of admission or dismissal from the institution. I certify that all information provided is complete and true. By signing this application, I certify that I am in compliance with the Federal Military Selective Service Act, 50 U.S.C. sec. 453, or that I am exempt from the same. Men between the ages of 18 and 25 must be registered with the Selective Service to be eligible for enrollment at a state college, to receive state and federal financial aid, and to be employed in a state or federal job. You may register with Selective Services online at <http://www.sss.gov>.

Acceptance or receipt of financial aid and scholarship awards certifies that the funds will be used for educational purposes.

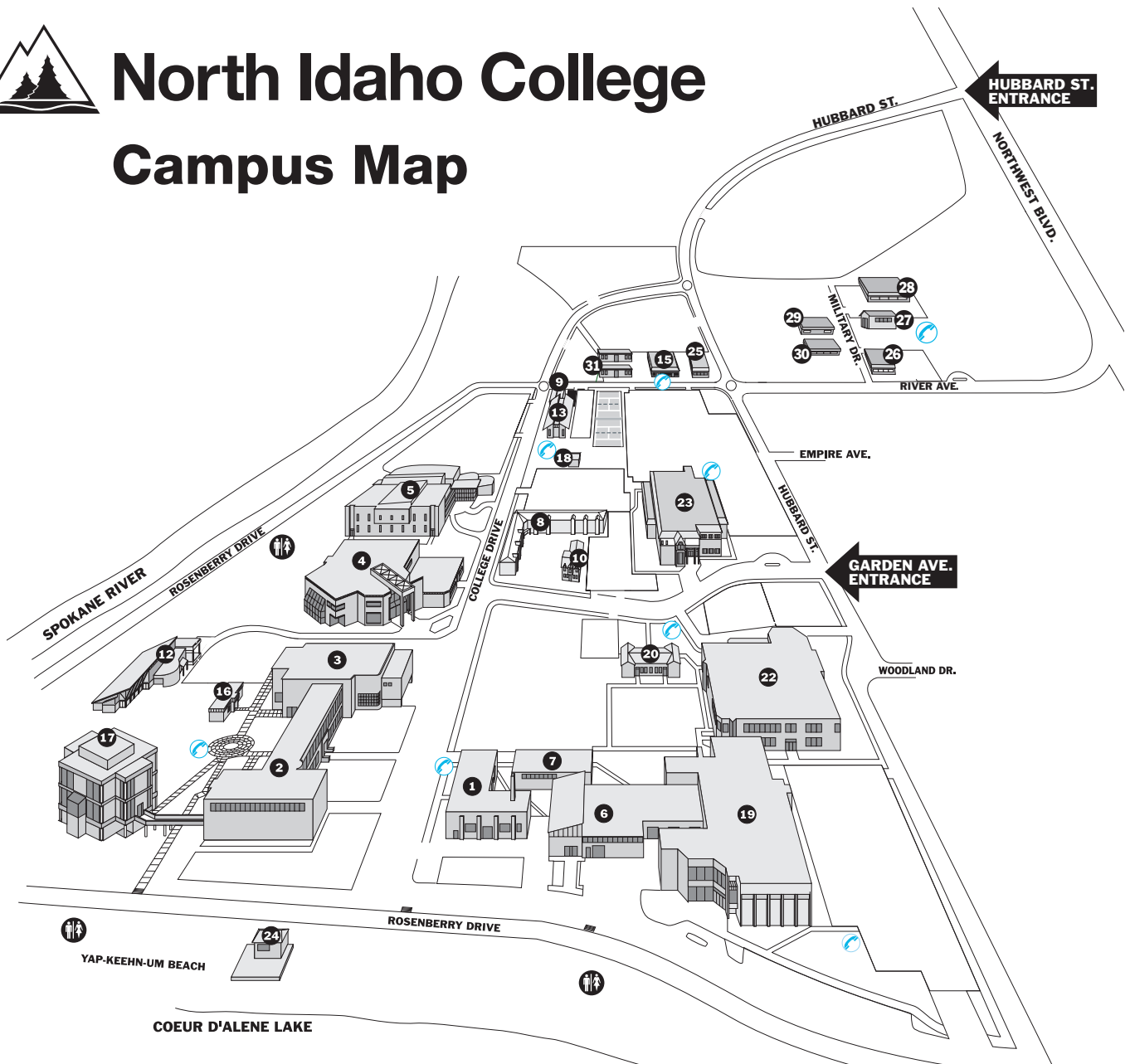
Signature of Applicant: _____ Date: _____

Idaho public colleges subscribe to the principles and laws of the State of Idaho and the Federal Government, including applicable executive orders pertaining to civil rights. These institutions are committed to the policy that all persons shall have equal access to programs and facilities without regard to age, color, creed, marital status, national or ethnic origin, physical handicap, race, religion, or sex.



North Idaho College

Campus Map



Map Legend

- 1 McLain Hall (MCL)**
Flexible Learning Center, Outdoor Pursuits, classrooms, computer labs
- 2 Lee-Kildow Hall (LKH)**
Admissions, Business Office, Center for New Directions, Financial Aid, Student Accounts, Registrar, Institutional Effectiveness, classrooms, College Skills Center (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, Educated Cup, Mica Peak Exchange (Bookstore), ASNIC Offices, Student Services (Advising, Counseling, Student Health), Career Services, Student Support Services, Auxiliary Services, Recreational Sports, American Indian Support Advisor, Student Housing
- 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, Employee Learning Facility (ELF)
- 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
- River Building (RVB)**
- 15 Mail and Copy Center, Fleet Services**
- Lee Hall Annex (LHA)**
Writing Center, Modern Languages Lab
- Seiter Hall (STR)**
Math, Computer Science, and Engineering Division; faculty offices; Center for Educational Access
- 18 Fort Sherman Powder Magazine (FPM)**
- 19 Hedlund Building (HED)**
Emery's Restaurant, Professional-Technical Offices, Professional-Technical Student Support Services Coordinator, classrooms
- 20 Sherman Building (SHE)**
President's Office, Human Resources, Community Relations, Communications and Marketing, NIC Foundation, Alumni Association, Grants
- 22 Boswell Hall (BOS)**
Schuler Performing Arts Center; classrooms; Corner Gallery; Box Office; Communication, Fine Arts, and Humanities Division; Coeur d'Alene Summer Theatre Office
- 23 Molstead Library (MOL)**
Library, Todd Lecture Hall, computer labs, Office of Instruction, eLearning and Outreach, classrooms, University of Idaho classroom
- 24 Sunspot**
Concessions and rentals (June-September)
- 25 Timber Hall (TMB)**
Testing Center
- Headwaters Complex**
 - 26 Facilities Operations (FAC)**
 - 27 Security and Parking Services (PSO)**
 - 28 Maintenance Department (MNNT)**
 - 29 Custodial Services (CST)**
 - 30 Landscape Services (LND)**
- 31 Lewis-Clark State College**
Classrooms and faculty offices

OFFICE AND DEPARTMENT LOCATOR

<u>OFFICE</u>	<u>BUILDING</u>	<u>OFFICE</u>	<u>BUILDING</u>
Admissions Office	Lee-Kildow Hall	Health Services	Edminster Student Union Building
Adult Basic Education	Hedlund Building	Heating, Ventilation, AC/Refrigeration	Hedlund Building
Advising	Edminster Student Union Building	Human Resources	Sherman Building
Alumni Association	Sherman Building	Information Technology	Siebert Building
Art Department	Boswell Hall	Institutional Effectiveness	Lee-Kildow Hall
Art Gallery (Corner Gallery)	Boswell Hall	Journalism	Siebert Building
Associated Students of NIC	Edminster Student Union Building	Law Enforcement	Kaniksu Building (Post Falls)
Athletics	Christianson Gymnasium/Post Hall	Library	Molstead Library
Automotive Technology	Siebert Building	Machine and CNC Technology	Hedlund Building
Auxiliary Services	Edminster Student Union Building	Mail Services	River Building
Bookstore (Mica Peak Exchange)	Edminster Student Union Building	Maintenance Mechanic/Millwright	Siebert Building
Business and Professional Programs	Hedlund Building	Mathematics, Computer Science, and Engineering	Seiter Hall
Business Office	Lee-Kildow Hall	Music Department	Boswell Hall
Campus Security Office	Headwaters Complex	Natural Sciences Division	Meyer Health and Sciences Building
Career Services	Edminster Student Union Building	Nursing	Meyer Health and Sciences Building
Carpentry	Industrial Arts Building	Office of Instruction	Molstead Library
Center for Educational Access	Seiter Hall	Outdoor Power/Recreation Vehicle Technology	Ramsey Technical Building
Center for New Directions	Lee-Kildow Hall	Outdoor Pursuits	McLain Hall
Children's Center	Lakeside Center	Parking Services	Headwaters Complex
College Skills Center	Lee-Kildow Hall	Peer Tutoring	Lee-Kildow Hall (College Skills Center)
Collision Repair Technology	Hedlund Building	Physical Education	Winton Hall
Communication	Boswell Hall	Practical Nursing	Meyer Health and Sciences Building
Communications and Marketing	Sherman Building	President's Office	Sherman Building
Community Education	Workforce Training Center	Professional-Technical Education	Hedlund Building
Computer Aided Design Technology	Hedlund Building	Recreation Sports	Edminster Student Union Building
Computer Information Technology	Hedlund Building	Registrar's Office	Lee-Kildow Hall
Computer Labs	Boswell Hall and Molstead Library	Sentinel (Student Newspaper)	Siebert Building
Copy Center	River Building	Social and Behavioral Sciences	Lee-Kildow Hall
Counseling	Edminster Student Union Building	Student Accounts	Lee-Kildow Hall
Culinary Arts	Hedlund Building	Student Activities	Edminster Student Union Building
Customized Training	Workforce Training Center	Student Government (ASNIC)	Edminster Student Union Building
Diesel Technology	Hedlund Building	Student Services	Edminster Student Union Building
English and Modern Languages	Lee-Kildow Hall	Testing Center	Timber Hall
Facilities	Headwaters Complex	Theatre Department	Boswell Hall
Financial Aid Office	Lee-Kildow Hall	Trades and Industry	Hedlund Building
Flexible Learning Center	McLain Hall	Transportation	River Building
Foreign Language Lab	Lee Hall Annex	Veteran's Services	Lee-Kildow Hall (Registrar's Office)
GED	Hedlund Building	Welding Technology	Hedlund Building
Graphic Design	Kaniksu Building (Post Falls)	Writing Center	Lee Hall Annex
Health Professions and Nursing	Meyer Health and Sciences Building		

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
Anthropology
Art – Fine Arts Emphasis
Art – Graphic Design Emphasis
Biology/Botany/Zoology
Business Administration
Business Education
Chemistry
Child Development
Communication
Computer Science
Criminal Justice
Education
Engineering
English
Environmental Science
Forestry/Wildlife/Range Management
General Studies
Geology
Graphic Design*
History
Humanities
Interdisciplinary Studies
Journalism
Mathematics
Modern Languages
Music
Nursing (RN)
Pharmaceutical Manufacturing
Philosophy
Photography
Physical Education
Physics/Astronomy
Political Science/Pre-Law
Pre-Medical Related Fields
Pre-Microbiology/Medical Technology
Pre-Nutrition
Pre-Physical Therapy
Pre-Veterinary Medicine
Psychology
Social Work
Sociology
Theatre
Web Design*

* Associate of Applied Science degree

Professional-Technical/ Occupational Programs

Prepares students for immediate employment. May lead to an associate of applied science (A.A.S.) degree or a technical certificate.

Accounting Assistant
Administration of Justice
Administrative Assistant
Automotive Technology
Business Leadership
Carpentry
Carpentry Management Technology
Collision Repair Technology
Computer Aided Design Technology-Architecture, Civil, or Mechanical options
Computer Applications
Computer Information Technology
Culinary Arts
Diesel Technology
Emergency Medical Services
Fire Service Technology
Heating, Ventilation, Air Conditioning/Refrigeration
Industrial Technology
Law Enforcement
Legal Administrative Assistant
Machining and CNC Technology
Maintenance Mechanic/Millwright
Medical Administrative Assistant
Medical Assistant
Medical Billing Specialist
Medical Office Transcriptionist/Pre-Health Information Technology
Medical Receptionist
Medical Transcriptionist
Office Specialist/Receptionist
Office Technology
Outdoor Leadership
Outdoor Power/Recreational Vehicle Technology
Paralegal
Pharmacy Technology
Physical Therapist Assistant
Practical Nursing (PN)
Radiography Technology
Resort/Recreation Management
Virtual Administrative Assistant
Welding Technology