NORTH IDAHO COLLEGE

The College on the Lake
COEUR D'ALENE, IDAHO
Welcome to North Idaho College

Dear Students:

It is my pleasure to welcome you to North Idaho College. It is my biased opinion that community colleges are the most viable post-secondary educational institutions in the country today. Certainly they are the fastest growing. There are over 1,200 community colleges in the United States and more than half of all first-year college students are now enrolled in community colleges. It is important that North Idaho College students know that they are attending an institution that is enjoying that kind of popularity.

Growth is important to the vitality of a college and will continue to be evident at NIC. Even more crucial is continued dedication to the reason the expansion has occurred. NIC's mission statement reiterates commitment to student success, teaching excellence and life-long learning. It promises quality educational experiences for its students. We, the employees of NIC, believe that the time a student spends in classes should be an opportunity for gaining new perspectives and improving one's chances for leading a successful, productive life. We have high expectations from our students, and you should have the same for your experiences at North Idaho College. I wish for each of you a happy, productive year at NIC and hope the time you spend with us provides some of the more pleasant memories of your life.

Sincerely,

C. Robert Bennett
President

North Idaho College Mission Statement

North Idaho College is committed to student success, teaching excellence and life-long learning. As a community college, it provides quality educational experiences for its students and the community.

Goals

1. Establish student success as the primary focus for decision making.
2. Maintain and enhance instructional excellence.
3. Provide diverse educational experiences and services which are responsive to student and community needs.
4. Nurture a positive, supportive, and productive environment for all members of the college community.
5. Foster the partnership between the community and the college.
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# Telephone Directory

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<td>Dean of College Relations</td>
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The Admissions, Registrar, and Business offices are now located on the second floor of the Student Union Building in the Bonner Room.

1. Mechanical Arts (MCA)
2. Lee Hall (LEE) (Closed 1994-95 Year)
3. Christianson Gymnasium (GYM)
4. Edminster Student Union (SUB)
5. Kildow Hall (KIL) (Closed 1994-95 Year)
6. Siebert Building (SBT)
7. Industrial Arts (IND)
8. Shepperd/Gridley Residence Hall
9. Post Hall (PST)
10. Fort Sherman Officers' Quarters (FSC)
11. Lakeside Center (LKC)
12. Winton Hall (WIN)
13. River Avenue Building
14. Lee Hall Annex (LHA)
15. Seiter Hall (STR)
16. Powder Keg Museum
17. Hedlund Applied Technology Center (HED)
18. Sherman Building (SHE)
19. Boswell Hall (BOS)
20. Library/Computer Center
21. Nic's at the Beach
22. Yap-Keehn-Um Beach
### August '94

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- 1 Marine Tech registration
- 15-18 Registration for Fall Semester
- 22 Last day of Fall Semester registration
- 23 Faculty returns to campus
- 25 Orientation for evening/non-traditional students
- 26 Orientation for new students
- 29 Fall Semester begins
- 29-31 Class add/drops by students

### September '94

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- 1 & 2 Class add/drops by students
- 5 Labor Day Holiday

### October '94

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- 10 Final date: Remove Incompletes from Spring and Summer Sessions
- 17-21 Midterm week
- 19 Curriculum Day

### November '94

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- 7 Final date: Withdraw from semester-length classes/school
- 24-25 Thanksgiving Holiday

### December '94

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</table>

- 6-8 Registration for 1995 Spring Semester (tentative)
- 16 Curriculum Day
- 19-22 Final examinations
- 22 Last day of 1994 Fall Semester
- 26 Christmas Holiday

### January '95

<table>
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</table>

- 1 New Year's Day Holiday
- 2 Faculty returns to campus
- 8-11 Registration for 1995 Spring Semester
- 16 Martin Luther King Day Holiday
- 17 Spring Semester begins
- 17-23 Class add/drops by students

---

**Legend**
- College Holidays
- Curriculum Days
- Commencement
## Directories & Calendar

### February '95
- 20 President's Day Holiday
- 27 Final date: Remove Incompletes from Fall Semester

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### March '95
- 2 Curriculum Day
- 6-10 Midterm Week
- 13-17 Spring Break

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### April '95
- 3 Final date: Withdraw from semester-length classes/school
- 14 Good Friday Holiday

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### May '95
- 9 Beginning of Registration for 1995 Summer Session
- 12 Curriculum Day
- 15-18 Final examinations
- 19 Commencement
- 29 Memorial Day Holiday

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### June '95
- 5 Academic Summer Session begins
- 5-6 Class add/drops by students
- 16 End of 10-month Technical programs

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### July '95
- 4 Independence Day Holiday
- 10 Last day to withdraw from Academic Summer courses and from college
- 14 Final day of 11-month Technical Programs
- 26 Last day of Summer Session

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**Legend:**
- College Holidays
- Curriculum Days
- Commencement
The College

Nestled among tall pines on the shores of beautiful Lake Coeur d'Alene, North Idaho College offers the best of all worlds for learning and living.

A two-year community college, NIC offers associate degrees for more than 35 transferable academic majors and associate of applied science/certificates of completion in 25 occupational/technical programs. Many credit courses are offered evenings and during the summer on the NIC campus and at outreach sites. There are also more than 80 non-credit special interest and short-term technical courses offered. The student body population for credit courses is more than 3,000, and class size averages 20 to 25 students. Noncredit enrollment brings an additional 2,000 students to campus each semester.

NIC's campus is located amid the four-season beauty of North Idaho's world-famous recreation area. The best of outdoor fun is here, including boating, fishing, hunting, backpacking, hiking, camping, swimming, and skiing.

The campus lies within the city limits of Coeur d'Alene, a 100-year-old city with a population of 25,000 residents. In 1990 Coeur d'Alene was one of 10 cites in the country to be honored as an All America City. Cultural and social activities abound in this lakeside city, well-supplemented by the resources of nearby Spokane, Washington, a metropolitan area of 361,000.

Accreditation of the College

North Idaho College is fully accredited in all instructional areas by the Northwest Association of Schools and Colleges and the Idaho State Division of Vocational Education. The Nursing Program is accredited by the National League for Nursing.

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, in January 1939, passed the Junior College Act, which permitted qualified areas to establish junior college districts by a vote of eligible electors. Coeur d'Alene Junior College became North Idaho Junior College in June, 1939, in compliance with the act. On July 31, 1971, the college changed its name to North Idaho College. NIC's service area is the Idaho Panhandle, which includes Kootenai, Benewah, Bonner, Shoshone, and Boundary counties.

Open Door Policy

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

The commitment to an open-door admissions policy is defined as providing all eligible students with access to an appropriate educational offering 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. Counseling and advising go hand-in-hand with all entrance procedures.

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, "Popcorn Forums," the NIC public television series and other events are offered regularly to encourage community participation and involvement. Special courses, programs and workshops meet the interests of individuals and community groups.

A free gold card program for senior citizens is available through the NIC College Relations Office. The gold card allows anyone 60 or older to enroll in credit classes at a 50 percent discount per credit hour and gives free admission to NIC-sponsored events. For more information phone (208) 769-3316.

NIC's faculty and staff are its greatest resource. In an effort to encourage life-long learning, NIC has organized a speakers bureau and welcomes the opportunity to share its talents and knowledge with the community.
North Idaho College Foundation

The North Idaho College Foundation is an independent, non-profit corporation that raises and manages funds to support the mission of North Idaho College.

Established in 1979, the Foundation is governed by a volunteer board and works closely with the NIC Trustees and staff to support scholarships for students, purchase needed equipment, assist in building projects, and sponsor programs for staff development, as well as other College activities.

The Foundation accepts and solicits both cash and non-cash gifts, investing and administering those funds to provide a growing source of additional support for North Idaho College, now and into the future.

Gifts to the Foundation are accepted through the Office of College Relations and Development. Further information about the foundation is available through that office which is located on the North Idaho College campus, 1000 West Garden Ave., Coeur d'Alene, ID, 83814. (208) 769-3316.

Use of NIC Facilities

Campus facilities are available for use by qualified off-campus organizations, agencies, or groups when use does not interfere with either curricular or extracurricular programs sponsored by the College or conflict with the mission of the College. Charges for use of facilities (if required) vary.

Requests for facility use should be directed to the NIC Campus Events Committee, in care of the College Relations Office, (208) 769-3316.

NIC Publications

Official North Idaho College publications such as catalogs, bulletins, 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 matriculated students whenever deemed appropriate. Advance notice of such changes will be provided whenever possible.

Equal Opportunity

North Idaho College subscribes to the principles and laws of the State of Idaho and the federal government, including applicable executive orders pertaining to civil rights. This institution is 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, handicap, race, religion, or sex.

North Idaho College does not discriminate on the basis of race, color, religion, national origin, sex, age, or disability in admission to, or operation of, its education programs and activities or employment. NIC's equal opportunity-nondiscrimination policy meets the requirements of Title IV and Title VII of the Civil Rights Act of 1964 as amended, Executive Order 11246 as amended, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and other pertinent state and federal laws and regulations.
# How to Enroll at North Idaho College

If you are...

<table>
<thead>
<tr>
<th>If you are...</th>
<th>Then...</th>
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</thead>
<tbody>
<tr>
<td>Enrolling for credit courses at NIC, Coeur d'Alene campus, working toward an associate degree or a certificate of completion... (Matriculating Student)</td>
<td>Apply for Admission</td>
</tr>
<tr>
<td>Enrolling for credit courses, day, evening, or weekend and not working toward a degree or certificate of completion (Non-Matriculating)</td>
<td></td>
</tr>
<tr>
<td>Enrolling for Community Education Courses (non-credit, special interest), Coeur d'Alene campus and all other outreach sites</td>
<td></td>
</tr>
<tr>
<td>Interested in Adult Basic Education, GED, or English as a second language. Held in various locations throughout North Idaho.</td>
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</tbody>
</table>

## Step 1
Complete formal admissions process. See Admission section of the catalog. Forms are available at the Admissions Office, Bannen Room, Student Union Building, 2nd Floor and outreach sites in Kellogg and Sandpoint. Applications are also available at area high school counseling offices.

## Step 2
Refer to appropriate Class Schedule for Instruction or contact Student Services:
- Student Union Building, 2nd Floor: 769-3370
- Refer to Program descriptions in this catalog or contact Student Services:
  - Student Union Building, 2nd Floor: 769-3370

## Step 3
Refer to appropriate Class Schedule for Instruction or contact Student Services:
- Student Union Building, 2nd Floor: 769-3370
- Contact Student Services (optional): 769-3370
- Advisable for those working toward a degree.

## Step 4
Refer to appropriate Class Schedule for Instruction or contact Student Services:
- Student Union Building, 2nd Floor: 769-3370
- Contact Student Services (optional): 769-3370
- Kellogg, Kellogg High School
- Sandpoint, Bonner Mall Office
- Other sites, local high school

---

Note: Certain programs such as nursing and some applied technology programs have special admission requirements. Please check with the Admissions Office if you have additional questions, (208) 769-3311, 1000 West Garden Ave., Coeur d'Alene, Idaho 83814.
## Admissions Checklist

Non high school graduates who have not completed the GED should contact the Admissions Office.

### Matriculating Students
(Degree-Seeking, Veteran Benefits or Financial Aid Recipients)

<table>
<thead>
<tr>
<th>Admissions Requirement</th>
<th>First Time Freshman Never Attended College (High School Graduate)</th>
<th>First Time Freshman Never Attended College (With GED Scores)</th>
<th>Transfer From Previous Colleges Never attended NIC</th>
<th>Former Student Attended NIC In Previous Semesters</th>
<th>Continuing Student (If you stay out for a semester, see Former Student)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application for Admission</strong></td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<td><strong>$10 Application Fee</strong></td>
<td>YES One Time Fee</td>
<td>YES One Time Fee</td>
<td>YES One Time Fee</td>
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<td><strong>Certificate of Residency</strong></td>
<td>YES for Idaho residents not from Kootenai County</td>
<td>YES for Idaho residents not from Kootenai County</td>
<td>YES for Idaho residents not from Kootenai County</td>
<td>YES for Idaho residents not from Kootenai County</td>
<td>NO</td>
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<tr>
<td><strong>High School Transcript (Showing date of graduation)</strong></td>
<td>YES</td>
<td>GED scores instead of transcripts</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td><strong>College Transcript(s)</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>From all colleges attended</td>
<td>Check with Admissions Office</td>
<td>NO</td>
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<tr>
<td><strong>Washington Reciprocity and WUE Applicants</strong></td>
<td>YES Must be filed every year by June 1</td>
<td>YES Must be filed every year by June 1</td>
<td>YES Must be filed every year by June 1</td>
<td>YES Must be filed every year by June 1</td>
<td>YES Must be filed every year by June 1</td>
</tr>
</tbody>
</table>

### Additional Requirements for Applied Technology Programs
(Students enrolled as Pre-Technical should also complete a Certificate of Residency)

| ASSET Test | YES | YES | YES | YES | YES |

### Additional Requirements for Nursing/Allied Health Programs
(Check with Admissions Office for Application Deadlines)

<table>
<thead>
<tr>
<th>Three Letters of Recommendation</th>
<th>YES</th>
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<td>High School Transcript (7th semester)</td>
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<td>See Admissions Office</td>
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<td>GED Scores</td>
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<tr>
<td>College Transcript(s)</td>
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<td>YES</td>
<td>See Admissions Office</td>
<td>See Admissions Office</td>
</tr>
</tbody>
</table>

### Non-Matriculating Students
(Degree-Seeking, Not Receiving Financial Aid or Veteran’s Benefits)

| Application for Admission | Yes, must be submitted to Admissions Office prior to registration | NO |
| Certificate of Residency | Idaho residents NOT from Kootenai County must file certificate with home county. | NO |
Operating as a comprehensive community college, North Idaho College has an open-door policy and accepts any student meeting minimum qualifications who can benefit from any of the programs which the college offers. A high school diploma or the equivalent is needed, although under certain circumstances outlined below, students who have not graduated from high school will be accepted.

Many students visit campus before applying for admission. During their visit, students can meet with an advisor to discuss academic and occupational plans. This is also a good way to learn the requirements for various programs.

**Non-Matriculating Students**  
*(Non-degree seeking)*

Students who enroll in courses at North Idaho College for personal enrichment, or to improve skills, and do not plan to receive a degree or certificate, are considered non-matriculated. The credits completed at North Idaho College will be maintained on a transcript. To enroll as a non-matriculating student, complete the following steps:

1. Submit Application for Admission prior to application deadline.
2. File Certificate of Residency with home county of record (required from Idaho students living outside of Kootenai County). See page 17 and 18 for details on determining residency status.

**Title IV financial aid, Washington Reciprocity, and the Western Undergraduate Exchange (WUE) programs are not applicable for non-matriculated students. These students are not allowed to participate in any intercollegiate activity.**

All non-matriculated students will follow the Academic Probation and Disqualification Policy that applies to regular matriculated students.

Those students who wish to change to matriculated status should notify the Admissions Office and complete the formal admissions process. (See below)

**Matriculating Students**  
*(Degree or Certificate seeking)*

**All Applicants (New and Transfer)**

To apply for admission the following items are necessary to complete your file:

1. Application for Admission.
2. $10 application fee (Non-refundable, one-time fee).
3. **Official** high school transcript showing date of graduation. (Official transcripts are those sent directly from the issuing school to the Admissions Office. Any hand-carried transcript received in an unsealed envelope will be considered unofficial). Students currently enrolled in high school should wait to have their transcripts sent until after their final grades are available at the end of the academic year. (Students applying for the Associate Degree Nursing or the Licensed Practical Nursing Programs MUST have transcripts sent after completion of their seventh semester).

**OR**

GED scores if over 18 years old and did not complete high school. Students who have not completed the GED or are non-high school graduates, contact the Office of Admissions.

**OR**

OFFICIAL transcripts from all colleges and universities attended. (Official transcripts are those sent directly from the issuing school to the Admissions Office. Any hand-carried transcript received in an unsealed envelope will be considered unofficial).

4. Certificate of Residency: Required from Idaho students whose home county is NOT Kootenai County. Please refer to page 17 and 18 for details on determining residency status.

**Washington Reciprocity and Western Undergraduate Exchange Students:** Students must submit a statement of residency for eligibility to receive a reduction of out-of-state tuition. (To remain eligible for these programs students must apply each year for this waiver before June 1). Please refer to page 17 and 18 for further information.

**ADDITIONAL REQUIREMENTS FOR APPLIED TECHNOLOGY STUDENTS**

In addition to the above admissions requirements, students applying for Applied Technology programs need to:

1. Complete the ASSET placement test. The ASSET is scheduled through Student Services, (208) 769-3297.
2. Students accepted into a program must submit a non-refundable $75 course deposit by May 1 to hold their position within the program. Any student accepted after May 1, should submit the course deposit within three (3) weeks of acceptance notification.

Enrollment in many applied technology programs is limited. Interested students are encouraged to contact the Admissions Office for information about specific training programs. Students are accepted for technical programs based upon when they apply and satisfactory completion of all requirements.

The ASSET is a standardized assessment of basic skills and is used for advising purposes. Assistance in improving math, language, and reading skills is available at no cost to the applicant. An appointment to complete the ASSET is necessary. (See Step 1 above).

Applicants for programs offered on a once-a-year starting schedule are accepted beginning in February, until the program is filled. Practical Nursing students are accepted by May.
In all cases, except Practical Nursing, students should begin the application process as early as possible. Nursing candidates can obtain application packets in October. The course deposit is applied to the tuition and fee charges for the initial term of enrollment. Deposits may be refunded if notification of withdrawal is given in writing to the Admissions Office prior to August 1. December 10 is the last day for a refund for these programs beginning in January.

NO REFUND IS GIVEN IF A STUDENT WITHDRAWS AFTER THE PRESCRIBED DEADLINE.

NOTE: Because of limited enrollment in certain technical programs, interested students are encouraged to apply as early as possible.

**General Admissions Information**

1. Application materials should be received by NIC at least one month prior to registration to allow for time to evaluate transcripts and notice of acceptance.

   For those students applying for financial aid beginning fall semester, admission applications should be received by March 15 to be considered for the first round of financial aid awards. After that date, financial aid will be awarded on a funds-available basis. Students must be accepted for admission before the Financial Aid Office may make a financial aid award.

2. Students transferring from another college or university, and whose cumulative grade point average is below 1.75 will be admitted on probation. See the Academic Probation section on page 34.

3. Idaho students not from Kootenai County must have certificates of residency sent to NIC from their County Auditor's Office. If the certificate is not received prior to registration, out-of-district fees will be charged to the student.

4. Physical examinations are required for students accepted into the Registered Nursing (RN) and Practical Nursing (PN) programs. All students who take part in intercollegiate athletics are required to have annual physical examinations.

   All required credentials should be sent to:

   Office of Admissions
   North Idaho College
   1000 West Garden Avenue
   Coeur d'Alene, ID 83814
   (208) 769-3311

**Former Students**

Students who have been away from North Idaho College for one or more semesters must complete an application for admission. Any student who plans to be a matriculating (degree seeking) student and has attended other colleges since being enrolled at NIC, must submit those transcripts. Please review the definition of residency status on page 17 and 18. For those students whose status has changed, they are responsible to file the appropriate certification (Certificate of Residency, Washington Reciprocity or Western Undergraduate Exchange) with the Admissions Office. Without this certification, students may be overcharged on tuition.

**Non-High School Graduate**

A non-high school graduate may be admitted as a regular matriculating student upon passing the high school level General Educational Development (GED) tests. The student must receive a standard score of 35 or above on each test and an average standard score of at least 45 on all five tests. If a student has not completed the GED, they must complete the ASSET and receive a minimum score before being accepted for admission. However, students who do not attain the minimum score are still allowed to enroll as non-matriculating students. Minimum ASSET scores required for acceptance are: Writing Skills 38, Reading Skills 38 and Numerical Skills 32. Please check with the Admissions Office for further details.

**Tech Prep/Accordation Students**

Those students who were Tech Prep participants at an area high school, having an articulation agreement with North Idaho College, should identify themselves as such on the application for admission. The Admissions Office will evaluate the student's records received from the participating secondary school and award articulated advanced standing credit when appropriate, according to the guidelines established by the participating institutions. The Tech Prep agreement is renewed on an annual basis.

**Continuing Students**

Any student who is currently enrolled at NIC in good academic standing will be allowed to register for the next semester (fall or spring) without re-applying for admission. Students are responsible to notify the Registrar’s Office of any change of name or address.
Selective Programs

Registered Nursing

In addition to the regular college admissions requirements, students applying for the Registered Nursing (RN) Program need to complete a Nursing application. (Current students should already have an application fee and transcripts on file. These students however, still need to submit an admission application to apply to the nursing program).

1. Three (3) completed NIC nursing recommendation forms, preferably from an employer, teacher, counselor, or volunteer supervisor. Recommendations from family members will not be accepted.
2. A completed Personal Statement Form in the student's own handwriting.

The Application for the Nursing Program may be picked up at the College Admission's Office after October 15. The RN program has a selective admissions process. Listed below are the guidelines for nursing applicants. The application deadline is March 15.

Students accepted into the nursing program shall: Submit a $75 deposit by May 1 (or 15 days after receipt of acceptance letter).

ADMISSION CRITERIA:

1. A high school diploma or a GED.
2. A cumulative grade point average of 2.50 OR a 2.50 grade point average from the last 12 college credits, which includes eight credits of science courses required by the Associate Degree Nursing Program. The sciences must be completed by the end of spring semester prior to Fall admission with a C or better and an overall cumulative grade point average of 2.00 or above is required.
3. A minimum grade of C or 2.00 GPA must be achieved in prerequisites which include:
   a. Chemistry 107 (Chemistry 103 is acceptable if Chemistry 107 is full). Chemistry 107 may be challenged if the student has taken two years of high school chemistry, or one year of chemistry and one year of physics and received a grade of C or better. The classes should be less than seven years old.
   b. Chemistry 108.
   c. English 103.
   d. Psychology 100.
   e. Algebra. Minimum accepted: Two years of high school algebra or testing above or completion of Math 030 with a C or better.
   f. Bacteriology 250.
4. The nursing department will determine if previous college work will be acceptable for transfer. Science courses (chemistry, bacteriology, and zoology) completed more than seven years ago must be repeated.
5. Arrangements will be made on an individual basis for students entering with previous nursing credit.
6. Advanced placement is available for Licensed Practical Nurses. Applicants must meet the same criteria and deadlines as other program applicants. Contact the Nursing Division for specific guidelines and further information.

Practical Nursing

In addition to the regular college admissions requirements, students applying for the Practical Nursing Program must complete a Nursing application and pre-admission assessment for practical nursing examination. (Current students should already have an application fee and transcripts on file. These students however, still need to submit an admission application to apply to the nursing program).

The Application for the Practical Nursing Program may be picked up at the College Admission's Office after October 15. The PN program has a selective admissions process. Listed below are the guidelines for nursing applicants. The application deadline is March 15.

ADMISSION CRITERIA:

1. A high school diploma or a GED.
2. A cumulative grade point average of 2.50 OR a 2.50 grade point average from the last 10 college credits, which includes four credits of science courses required by the Practical Nursing Program. The sciences must be completed by the end of spring semester prior to Fall admission with a C or better and an overall cumulative grade point average of 2.00 or above is required.
3. A minimum grade of C or 2.00 GPA must be achieved in prerequisites which include:
   a. Chemistry 107 (Chemistry 103 is acceptable if Chemistry 107 is full). This will be waived if the student has taken two years of high school chemistry, or one year of chemistry and one year of physics and received a grade of C or better. The classes should be less than seven years old.
   b. English 103 if high school English grades are less than C.
   c. Algebra. Minimum accepted: Two years of high school algebra or testing above or completion of Math 030 with a C or better.
4. Minimum grades of C or 2.00 in courses required in the Practical Nursing program.
5. No course may be repeated more than once to achieve a 2.00 grade point average.

The Practical Nursing department will determine if previous college work will be acceptable for transfer. Science courses completed more than seven years ago must be repeated.
Allied Health

Students applying for Allied Health programs have many options. When first applying for admission to the college, students with an interest in Allied Health will be accepted with a major of Pre-Allied Health. Once enrolled, the course "Introduction to Allied Health" is designed to help students understand their options and to choose which program is best for their individual needs and career goals. Some of the choices are briefly outlined below:

- **Certificate of Completion, Pharmacy Technician**
  (Offered every other year). Must apply for acceptance into practicum during fall semester. (Once training is completed students may opt for an AAS degree with a major in Pharmacy Technician).

- **Certificate of Completion, Mental Health Technician**
  Must apply for acceptance into field experience during spring semester. (Once training is completed students may opt to complete AAS degree with a major in Human Services).

- **Associate of Applied Science degree, Human Services**
  Upon completion of the first year, students must apply for acceptance into field experience. Applicants who have a certificate of completion in Mental Health receive priority for acceptance.

**DOCUMENTS REQUIRED TO COMPLETE ALLIED HEALTH APPLICANT FILE:**

Application packets are available (usually after August 1st) from the NIC Admissions Office. Phone (206) 769-3311 for further information.

1. Application for Admission (including current students). Needed and must be completed for formal admission process as listed for Degree Seeking Students (Matriculating).
2. $10 application fee (non-refundable, one-time fee).
3. Three Allied Health: recommendation forms, completed preferably by an employer, teacher, counselor or volunteer supervisor.
5. Transfer applicants must submit official transcripts of work-in-progress from current college. Final transcripts are required when available. The Allied Health Department will determine if previous college work will transfer.

**Pharmacy Technician Program**

Certificate or AAS


**ADMISSION REQUIREMENTS:**

1. Allied Health documents as noted above.
2. High school diploma or GED.
3. A minimum grade of a "C" (2.00) in prerequisite courses. (See program guidelines, page 46). If currently enrolled, mid-term grades will be considered until final grades are available.
4. No course may be repeated more than once to achieve a 2.00 grade point average.
5. Completion of PSB Health Occupations Aptitude Examination. (Two testing sessions will be scheduled October, 1994. Please call (206) 769-3297 for an appointment. There is a $7 testing fee).
6. Completion of ENGL 099, "Fundamentals for Writing" or equivalent with at least a "C" (2.00) grade, or recent ASSET scores (within last two years) indicating placement in ENGL 101, "English Composition."

**Mental Health Technician Program**

Certificate


**ADMISSION REQUIREMENTS:**

1. Allied Health documentation as noted above.
2. High school diploma or GED.
3. A minimum grade of a "C" (2.00) in prerequisite courses. (See program guidelines, page 47). If currently enrolled, mid-term grades will be considered until final grades are available.
4. No course may be repeated more than once to achieve a 2.00 grade point average.
5. Completion of ENGL 099, "Fundamentals for Writing" or equivalent with at least a "C" (2.00) grade, or recent ASSET scores (within last two years) indicating placement in MATH 101, "Intermediate Algebra."
6. Completion of ENGL 099, "Fundamentals for Writing" or equivalent with at least a "C" (2.00) grade, or recent ASSET scores (within last two years) indicating placement in ENGL 103, "English Composition."
7. Nurses' Aide certification or plans for completion of this requirement prior to summer session field experience.

**Human Services Program**

AAS


**ADMISSION REQUIREMENTS:**

1. Allied Health documentation as noted above.
2. High school diploma or GED.
3. A minimum grade of a "C" (2.00) in prerequisite courses. (See program guidelines, page 47). If currently enrolled, mid-term grades will be considered until final grades are available.
4. No course may be repeated more than once to achieve a 2.00 grade point average.
5. Completion of MATH 030, "Elementary Algebra" or equivalent with at least a "C" (2.00) grade, or recent ASSET scores (within last two years) indicating placement in MATH 101, "Intermediate Algebra."

continued...
International Students

North Idaho College welcomes the enrollment of qualified international students. The college encourages meaningful participation in the educational, social, and cultural activities of the local community. Therefore, the college reserves the right to limit the number of students admitted from any one foreign country to allow for a diversified student body.

Admission Procedures

International students must meet the same standards as students applying from the United States. There are additional requirements which have been established by the college and/or the United States Immigration and Naturalization Service. Any non-citizen of the U.S. who has not received immigration status is considered an international student.

Requirements

1. Submit an application for admission.
2. Submit the $10 application fee (non-refundable).
3. Academic Records: Submit original or certified copies of transcripts or documents from all secondary or post-secondary schools attended. If credentials are not in English, a certified English translation must be attached. Course syllabi for all post-secondary transfer courses should be submitted in English. This will enable the college to provide a complete evaluation of credits to determine which courses fulfill degree requirements.

International students who have taken academic work in the United States must also provide official transcripts of all work taken in the United States. The transcripts must show a minimum 2.00 grade point average for all transferable credits.

4. Evidence of English Proficiency: An international student whose native language is not English is required to supply official results of the Test of English as a Foreign Language (TOEFL). A total score of 500 or above is required for admission. To have score results submitted to NIC, please specify the NIC code number (4539) on all TOEFL registration materials. North Idaho College does not administer the TOEFL; however, the test is given worldwide. For further information write to:

TOEFL, Box 895, Princeton, New Jersey 08540 USA

5. Certificate of Health: International students must have a thorough health examination by a recognized medical agency before admission may be granted. A signed certificate of health must be sent with the application for admission.

6. Financial Declaration: International students must have sufficient financial resources to fully meet all institutional and personal expenses while studying in the United States. Students are expected to be supported by parents, an individual, a sponsoring organization, or a governmental agency. Affidavits of financial support (Financial Declaration) must be furnished with the application for admission. Students cannot rely on part-time employment since off-campus work permits are not available. The college will not bear responsibility for a foreign student’s finances. Therefore, North Idaho College requires each international student to have $10,000 (U.S.) or an equivalent sum of money adequate for a year’s study. The following is an estimate of the current annual expenses the international student and/or sponsor must meet:

Tuition and Fees* .................................................. $3,060
Room and Board* .................................................. $4,440
Books, supplies, clothing, incidentals* ........................ $2,500
Total* ........................................................................ $10,000

*Subject to change without notice.

7. Guidelines for Returning Application Materials: International students applying from abroad should submit all required admission forms and transcripts at least six (6) months before registration to allow time for evaluation and notice of acceptance. In the case of international students applying from within the United States, application materials should be submitted at least one month before registration. All forms must be sent to:

Office of Admissions
North Idaho College
1000 West Garden Avenue
Coeur d’Alene, Idaho 83814 USA

Note: It is recommended that those students who have completed more than one year of college-level work in their own country apply to a four-year institution. North Idaho College only offers a two-year curriculum.

8. Admitted Students: Academic success at North Idaho College is strongly dependent upon ability to communicate in English; therefore, upon arrival at North Idaho College each student will be examined again with an English placement test. Results achieved will determine placement level in the English program.
**Dual Enrollment Program**

The Dual Enrollment Program is suggested for juniors or seniors in high school who would like to complete courses as a dually enrolled student at North Idaho College. The Applied Technology/Vocational (ATEC) Dual Enrollment program is for seniors in high school who would like to explore options in the occupational/technical training arena. ATEC Dual Enrollment Students do not receive credit towards a North Idaho College certificate of completion for the courses in which they enroll.

**Requirements**

1. Complete application for admission. Indicate “Dual Enrollment” or “ATEC Dual Enrollment” on top of application.
2. Students shall have demonstrated successful ability to the Director of Admissions. Some indication of this ability are: related test scores, grade reports or class standing (usually those students in the top 25% of their class or subject area). Submit official transcript (in sealed envelope from high school) of work completed to date.
3. A supporting recommendation must be obtained from the appropriate high school guidance counselor with a statement indicating how the student will be able to handle the increased academic load and that the student has permission from the high school to participate.
4. Students accepted into the program will be allowed to take a maximum of two courses per semester. ATEC students will sign up for one theory class and one lab class.
5. Courses available are normally limited to those classes not already filled or reserved for NIC students and those not requiring prerequisites. ATEC programs include only the following: Auto Body Technology, Automotive Technology, Culinary Arts, Marine Technology, Machine Shop, Diesel Mechanics, and Welding. Up to two spaces will be allowed in each program area with permission of the instructor and as space allows.
6. Dual Enrollment students are required to complete the ASSET placement test prior to registration.
7. The student is responsible for paying the normal tuition and fees applicable to his/her enrollment. Please note: Financial aid is not available for those students in the Dual Enrollment program.

Dual Enrollment students should work closely with their high school counselor to secure the classes they select will be beneficial. For further information please contact:

**Office of Admissions**
North Idaho College
1000 West Garden Avenue
Coeur d’Alene, ID 83814
(208) 769-3311

**Skills Assessment & Placement**

Skills Assessment is an important part of enrollment and meets state and institutional requirements for student assessment and tracking. Since North Idaho College has an "open door" admissions policy, students are admitted with a wide range of entry skills. Entry levels in math, reading, and English skills are measured, and results are used with other information in the advising process to assist students in selecting the most appropriate courses. For further information on skills assessment, contact Student Services (208) 769-3370.

**Certificate of Residency**

North Idaho College receives the major part of its funding from Kootenai County. An additional portion comes from state funding. Idaho students who do not reside in Kootenai County must file a Certificate of Residency with their home county auditor's office. Certificate forms are available from the Admissions Office or the county auditor's office.

Some counties may require additional information or have students complete additional forms. Please check with your county early before the semester begins, so that this process can be completed on a timely basis.

The county is obligated by state code to pay the out-of-district charge. Under current Idaho State Code, "...a student in a junior 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 higher first enrollment in said junior college." Additionally, "residency may not be acquired while attending, and enrolled in, a junior 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."

(Exception: Students from the counties of Kootenai, Twin Falls or Jerome are not required to complete the Certificate of Residency. Those counties collect funds through assessed taxes to fund the community college in their district.)

continued...
Resident Status

Residents of Idaho

The NIC district comprises all of Kootenai County. 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% 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 guardians 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% of his/her support from parents or legal guardians who are not residents of the college district for enrollment 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% or more of 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.

Verification is to be made to NIC not later than 10 days prior to the first day of enrollment. If verification is not received from the home county, the student must pay the non-resident fees.

Residents of Washington State

Reciprocity

Matriculating students who are legal residents of the State of Washington may qualify for a reduction of out-of-state tuition under the terms of the reciprocity agreement between NIC and the State of Washington.

While any student may enroll at North Idaho College, only a limited number of students are awarded Washington reciprocity rates.

New students are requested to apply for admission to the college and for the reciprocity waiver by June 1 to be considered for the school term beginning with the fall semester. Students continuing for their second year must submit their reciprocity application by June 1 for the following school year. Any student, new or continuing, applying for reciprocity will be considered on a space-available basis.

Western Undergraduate Exchange (WUE)

The Western Undergraduate Exchange Program (WUE) was established to financially assist individuals interested in attending college out of their home state. The WUE tuition status is available only to matriculated (degree seeking) students on a space-available basis.

During the 1994/95 academic year the following Western states are participating in this program for two-year institutions:

- Alaska
- Montana
- Oregon
- Colorado
- Nevada
- South Dakota
- Hawaii
- New Mexico
- Utah
- Idaho
- North Dakota
- Wyoming

New students are requested to apply for admission to the college and for the reciprocity waiver by June 1 to be considered for the school term beginning with the fall semester. Students continuing for their second year must submit their application by June 1 for the following school year. Any student, new or continuing, applying for WUE will be considered on a space-available basis.

For information about either of these programs call or write:

Office of Admissions
North Idaho College
1000 West Garden Avenue
Coeur d'Alene, ID 83814
(208) 769-3311

Senior Citizens

Any individual 60 years old or older may obtain a North Idaho College Gold Card. The Gold Card allows the individual to enroll in credit classes at a 50 percent discount per credit hour. Materials, books, and special fees are full price. Noncredit classes require full fees regardless of age. The Gold Card may be picked up at the Office of Admissions in the Bonner Room, Student Union Building, 2nd floor.
Financial Information

Tuition and Fees Payment Procedures

Tuition, fees, and any special fees must be paid at the time of registration, unless financial aid has been approved. Students failing to pay amounts due NIC will be excluded from classes and their credits withheld. No student will be given a transcript of his/her record, nor will credits be issued or a degree or certificate awarded, 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 at the time of registration.

Veterans and other eligible persons receiving Veteran's 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 day.

Tuition, fees and college housing fees are established each year by the 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.

Fees and Expenses

Expenses for attending North Idaho College will vary with the habits and financial means of the individual student.

Because tuition and fees and room and board rates are established annually, it is difficult to list or predict actual cost breakdowns in this area. The rates listed are an estimated projection to be used as a guideline only. All rates quoted are subject to change without notice.

Estimated Costs Per Year*

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<tbody>
<tr>
<td>Kootenai County Resident</td>
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<tr>
<td>Tuition and Fees</td>
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<tr>
<td>Room and Board</td>
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<tr>
<td>Books and Supplies</td>
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<tr>
<td><strong>Total</strong></td>
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<tr>
<td>Out-of-District</td>
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<tr>
<td>Tuition and Fees</td>
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<tr>
<td>(with approved home county assistance)</td>
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<tr>
<td>Tuition and Fees</td>
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<td>Room and Board</td>
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<tr>
<td>Books and Supplies</td>
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<tr>
<td><strong>Total with county assistance</strong></td>
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<td><strong>Total without county assistance</strong></td>
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1 (Home county is responsible for out-of-district fees for those students who have established residency within the county.)

Out-of-State

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<tr>
<td>Tuition and Fees</td>
<td>$3,060</td>
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<tr>
<td>Room and Board</td>
<td>$3,310</td>
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<td>Books and Supplies</td>
<td>500</td>
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<td><strong>Total</strong></td>
<td><strong>$6,870</strong></td>
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2 Western Undergraduate Exchange students pay $2,710.

17-or-more credits

<p>| | |</p>
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<tr>
<td>Idaho Residents</td>
<td>$50 per credit</td>
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<tr>
<td>Out-of-State/Country</td>
<td>$180 per credit</td>
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Applied Technology Programs

<table>
<thead>
<tr>
<th>Idaho Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
</tr>
<tr>
<td>Room and Board</td>
</tr>
<tr>
<td>Books and Supplies</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

Out-of-State

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
<td>$3,060-3,753</td>
</tr>
<tr>
<td>Room and Board</td>
<td>$3,310</td>
</tr>
<tr>
<td>Books and Supplies</td>
<td>175-1,050</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$6,545-8,013</strong></td>
</tr>
</tbody>
</table>

* These costs are estimates for the 1994-1995 year based on two semesters per year and 8-16 credits per semester.

** Tuition and fees vary with the length of program. The majority of programs are between 9 and 11 months.

*** This figure varies with programs. It does not include the cost of tools required in many of the programs. Tool costs vary from program to program.

These figures do not include personal expenses and transportation. This estimate reflects increases in educational costs based on anticipated increases in the basic cost of living.
Idaho residents not living in Kootenai County must submit a Certificate of Residency. Washington residents must submit a Washington Reciprocity Form. (Both forms are available from the Admissions Office).

### Part-Time Enrollment
Students enrolling for seven semester credits or less are assessed tuition and fees on a per-credit-hour basis.

- **Kootenai County/Out-of-District** with Certificate of Residency: $50 per credit
- **Out-of-District** without Certificate of Residency: $113 per credit
- **Out of State**: $180 per credit

### Special and Incidental Fees

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td>$10</td>
</tr>
<tr>
<td>Credit by Examination Fee (per credit hour)</td>
<td>$10</td>
</tr>
<tr>
<td>GED Testing Fee</td>
<td>$10 per test</td>
</tr>
<tr>
<td>Parking Fee (per year)</td>
<td>$10</td>
</tr>
<tr>
<td>Special Course Fees (Labs, Physical Education and Music)</td>
<td>$20</td>
</tr>
<tr>
<td>Transcript Fee</td>
<td>$2</td>
</tr>
</tbody>
</table>

One official copy furnished upon request without charge. Additional copies, when requested, are $2 per copy.

### Summer Session
Consult Summer Session Schedule for tuition and fees.

### Noncredit Special Interest Classes:
Fees for noncredit classes differ for each class. A complete fee schedule is available on the course list published each semester.

### Room and Board (Dormitory per year)

<table>
<thead>
<tr>
<th>Meals per week</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>$3,180</td>
</tr>
<tr>
<td>19</td>
<td>$3,110</td>
</tr>
</tbody>
</table>

---

**Deposits**

**Associate Degree Nursing Deposit**: $75

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 on or before July 1. No refund will be given if a student withdraws after the prescribed deadline.

**Shepperd/Gridley Hall Room Reservation Deposit**: $75

This deposit is refundable upon proper notice up to thirty (30) days prior to registration day for the contracted semester. When dormitory residence has been established, the $75 is applied as a damage deposit. A student will be charged for any abnormal damage caused by his/her actions. Students are encouraged to reserve rooms in early spring because of limited residence hall facilities.

**Applied Technology Program Deposit**: $75

Upon acceptance to a specific applied technology program, students must submit a $75 course deposit by May 1. Students accepted after May 1 must submit the deposit no later than 15 days after the date on the acceptance letter. The deposit 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 on or before August 1 (one month prior to the start of the regular fall semester) or June 1 for those programs beginning in July. No refund will be given if a student withdraws after the prescribed deadline. See page 46 for those programs that require a deposit.

### Refund Policy

Full-time or part-time students who withdraw from credit classes will, on written application to the College Registrar at the time of withdrawal, receive refunds as follows: if withdrawal is made before the second day of the semester, 100 percent less $10 will be refunded; within the first week of the school term, 75 percent will be refunded; after one week and within two weeks, 50 percent will be refunded; after two weeks, no refunds will be allowed.

Short-term classes meeting less than nine weeks will have the following refund schedule: if withdrawal is made within two days following the first class meeting, 100 percent less $10 will be refunded; within days following the second class meeting, 50 percent will be refunded; after two days following the second class meeting, no refund will be allowed.

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**FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE**
Financial Aid - What is it?

Financial aid provides money to help students pay for the cost of a North Idaho College education. There are three different types of financial aid: grants or scholarships, loans, and student employment.

Grants and scholarships are considered gift aid because they do not need to be repaid. Loans, however, must be repaid when the student graduates or ceases to enroll. Student employment awards provide a part-time job that allows students to earn a portion of the money they need to attend college. Students who apply for financial aid will be considered for all three types of help. Funding for financial aid comes from federal government, state government, private sources, and North Idaho College.

Approximately 45 percent of the students attending North Idaho College receive some type of financial aid. Students who think they may need help to pay for their college costs should apply for financial aid. Generally, due to limited funding, the earlier in the year the financial aid application is completed the better the chances are for receiving the maximum financial aid for which they are eligible. Two financial aid programs, the Pell Grant and the Stafford Loan, are available all year so students who miss the Preferred Financial Aid application deadline of April 15 may still receive some type of assistance.

Students eligible for financial aid, but who have not completed the process prior to registration, will be expected to pay all required charges at the time of registration.

Eligibility For Financial Aid

North Idaho College awards financial aid on the basis of merit and financial need. Merit-based awards consider the students' skills and abilities to determine eligibility. Examples of criteria for the merit-based scholarships or grants may include academic excellence, athletic ability, or interest in a particular college major.

Eligibility for need-based financial aid is determined by the student's computed financial need. 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. 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), personal living expenses, and transportation from home. The Estimated Family Contribution 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 application documents.

There is NO income cut-off for need-based financial aid.

A needs analysis formula established by the federal government is used and takes into consideration family size, number in college, unusual medical or dental expenses, as well as income and assets.

To be eligible for need-based financial aid, in addition to demonstrating financial need, the student must:

1. Have a high school diploma or GED certificate.
2. Be accepted for admissions into North Idaho College as a matriculated (degree seeking) student.
3. Not be in default on a Federal Perkins Loan, Federal Stafford Loan (formerly Guaranteed Student Loan), Federal Supplemental Loan for Students, Federal Parental 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, or Federal State Student Incentive Grant previously used for attendance at North Idaho College or any other educational institution.
5. Be an American citizen, national, or permanent resident.
6. Certify that, if required, he 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.

Financial Aid 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 apply for financial aid for the first time as well as those who are currently receiving aid. All semesters of attendance at North Idaho College, including periods when no financial aid was received are reviewed. To meet the Satisfactory Academic Progress requirements at North Idaho College, students must:

1. Achieve a minimum 1.75 grade point average (GPA) during the first semester of enrollment. Students must earn a cumulative GPA of 2.00 or better after the first semester. If the cumulative GPA is below 2.00, but the semester GPA is 2.00 or higher, students will be allowed to receive financial aid.
2. Complete a specified number of credits per semester based on the number of credits enrolled in during that semester.

<table>
<thead>
<tr>
<th>Enrollment Status</th>
<th>Completed Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-Time (12 or more credits)</td>
<td>11</td>
</tr>
<tr>
<td>Three-Quarter Time (9 - 11 credits)</td>
<td>8</td>
</tr>
<tr>
<td>Half-Time (6 - 8 credits)</td>
<td>5</td>
</tr>
</tbody>
</table>
Financial Aid

3. Receive a degree or certificate from North Idaho College within the maximum number of semesters allowed based upon enrollment status.

<table>
<thead>
<tr>
<th>Degree/Certificate</th>
<th>Status</th>
<th>Maximum Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Degree</td>
<td>Full Time (12 or more credits)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Three Quarter Time (9 - 11 credits)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Half Time (6 - 8 credits)</td>
<td>12</td>
</tr>
<tr>
<td>Technology Certificate</td>
<td>Any</td>
<td>5</td>
</tr>
</tbody>
</table>

Financial Aid Probation

Students will be placed on financial aid probation if they do not complete the GPA requirements OR do not complete the required number of credits per semester.

Removal From Financial Aid Probation

Students placed on financial aid probation must achieve a 2.00 GPA and/or make up any deficit credits to be in good standing.

Financial Aid Eligibility Suspension

Students will not be eligible for financial aid at North Idaho College and any current financial aid award will be cancelled if they:

1. Complete less than 5 credits during any semester.
2. Are on financial aid probation and do not earn a 2.00 GPA and/or complete the required number of credits during the semester.
3. Have not completed their degree or certificate within the maximum number of semesters.

Appeal

If the student's financial aid award has been cancelled due to failure to maintain satisfactory academic progress, he/she may submit an appeal to the Scholarship and Financial Aid Committee to request reinstatement of aid eligibility. If the Appeal is approved by the Scholarship and Financial Aid Committee, he/she will be placed on Probation and asked to sign a Financial Aid Contract. The contract outlines the specific requirements the student must meet in order to maintain Satisfactory Academic Progress. Students who fail to meet the conditions of the Financial Aid Contract will not be eligible for financial aid from North Idaho College. Students will not be eligible to appeal until they complete six credits of core courses at their own expense.

Applying For Scholarships

Students who want to apply for a scholarship should complete the North Idaho College Scholarship Application and return it to the Financial Aid Office prior to April 15 for the fall semester and prior to November 15 for the spring semester. Scholarship Applications are available from the Financial Aid Office and from area high schools.

Applying For Financial Aid

To apply for all other types of financial aid, the student and his/her parent(s) (if dependent) should complete the Free Application for Federal Student Aid (FAFSA). In addition to the FAFSA, the student may need to submit a copy of his/her U.S. Income Tax return and, in some cases, copies of his/her parent(s) U.S. Income Tax return.

Financial aid application process takes approximately two months from the time the student applies to the time he or she receives a check. 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 April 15 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.

Financial Aid Information

A Financial Aid brochure which outlines in greater detail the types of financial aid, eligibility requirements, and application procedures is available from the Financial Aid office.

Other Financial Assistance Programs

Financial aid through programs sponsored by Job Training Partnership Act (JTPA), the Training Rehabilitation Act (TRA), Social Security, State Board of Vocational Rehabilitation, and Veterans Administration is available from these agencies for qualified students attending NIC.
Various services are provided by North Idaho College to help promote student success and develop an enjoyable and productive college experience. The main Student Services Office is located on the second floor of the Student Union Building. Students are encouraged to stop by and learn more about the many services provided for them.

**Advising**
769-3370

Advising can significantly help students with program planning, course and degree information, transfer review, campus directions, college procedures, and services referral. Consultation with an advisor is provided for students at their initial registration when they also receive important information about the NIC advising process. Students are then assigned to a specific advisor once the semester begins. Supplemental advising support is also available in Student Services, including access to a college catalog collection and transfer directories. Students are strongly encouraged to actively participate in advising as part of learning how to promote their own college success.

**Bookstore**
769-3364

The NIC Bookstore is located in the Student Union Building and is open weekdays, with extended hours during the first few days of each semester. Textbooks and supplies are available, as well as learning and self-study aids, research paper handbooks, dictionaries, books for pleasure reading, computers, computer software, computer supplies and accessories, snacks, personal health items, backpacks, briefcases, imprinted caps, apparel, and gift items. The Bookstore also supplies textbooks for University of Idaho and Lewis-Clark State College courses.

**Business Office**
769-3344

The Business Office is located in the Bonner Room of the SUB and is open weekdays. All payments to the school should be paid at the Business Office. All checks to students may also be picked up from the Business Office (advanced V.A. checks, however, are available through the Registrar's Office).

**Career Center**
769-7700

The NIC Career Center, located on the second floor of the Student Union Building, offers a wide variety of services to help students and prospective students with all aspects of career planning and job hunting. Career assessments are available to provide students with ideas for making meaningful career choices. The center also provides the latest information on career planning and job hunting, including information on careers related to every major offered at NIC. Names of community contacts are located in the Informational Interview notebook, which gives students an opportunity to ask career questions of someone working in that area. Assistance is also available to help students discover the hidden job market, write a resume that gets an interview, and then interview in a manner that gets the desired job. Call or stop by to begin the process of moving toward a satisfying and fulfilling career.

**Center for New Directions**
769-3445

The Center for New Directions (CND) provides activities, services, and assistance in a variety of areas. Services include personal, educational and vocational counseling, community and campus information and referrals, workshops and support groups. Special classes and opportunities for displaced homemakers, homemakers and single parent classes are offered as well. While aimed primarily at women, the CND is available to all.

**Children's Center**
769-3471

The NIC Children's Center is located in the Lakeside Center behind the gymnasium and is open weekdays from 7 a.m. to 4:45 p.m. Students with children from 2-1/2 to 5 years of age may receive child care at a very reasonable half-day or full-day rates. Child care is education-based with developmental activities provided by qualified and caring instructors. Applications can be obtained at the Children's Center and should be submitted early since space is limited.

**Computer Labs**

Central Labs Library/Computer Center 769-3280
Macintosh Lab Boswell Hall, Rm 204 769-3331

Computer labs are open Monday-Saturday; check the posted schedule for times and space available. Networked windows and Macintosh personal computers and high-quality printers are accessible for educational use by all registered students except when labs are scheduled for class instruction. A system of priority use is incorporated to seat students at peak times. Tours are available and lab staff will work with instructors to assist students working on assignments in the lab.

**Counseling**
769-3370

Counselors are available for free, confidential help with personal problems, crises, stress, depression, or any matter of concern that might interfere with a student's success and emotional well-being.
Counselors offer assistance to students who desire support and direction in order to better understand themselves and cope with the varied demands that directly or indirectly affect their college experience. Assistance may be provided through person-to-person, confidential communication with a counselor, testing, and/or referral to an appropriate community resource.

**Disabled Student Support**  
769-3370

Physically challenged students and students with learning disabilities can receive assistance from a counselor in Student Services who coordinates available support in meeting their educational needs.

**Health Insurance**  
769-3367

Student Health Insurance is mandatory at North Idaho College. Each student enrolled in eight or more credits is assessed a fee for insurance at the time of registration. Students who show proof of adequate insurance from another source, may apply for a refund.

Information about the insurance and refund process will be available at registration.

The student health insurance is managed through Associated Students of North Idaho College (ASNIC) and the insurance company, not the administration of NIC.

If there are questions about insurance coverage and/or claims, contact the ASNIC representative at 769-3367.

**Health Services**  
769-3370

A nurse practitioner is available weekdays for health consultation for students. Services include evaluation and treatment of minor injuries and acute health problems such as colds, flu, bladder infections, sexually transmitted diseases, etc. Reproductive health and general physical exams are also provided.

Health education information, counseling, and referrals about nutrition, stress reduction, relationships, sexuality, rape/rape, exercise, HIV/AIDS and other topics are also available.

Health service visits are free to all students and are not related to their health insurance coverage. Students are responsible for some laboratory charges that are not covered by insurance. Health care services that extend beyond the scope of the nurse practitioner will be referred to a physician.

After hours or emergency services can be obtained from a private physician, minor emergency clinic or hospital emergency room. The expense of off-campus health care is the responsibility of the student or their health insurance carrier.

The Health Services office is located on the second floor of the Student Union Building.

**International Student Advising**  
769-3361

The International Student Advisor is the official advisor for all international students. International students must contact this advisor for help with the following types of situations: academic advising, class scheduling and course add/drop, information regarding visa renewal, transfers to other schools, off-campus work permits and on-campus work prospects, validating student's I-20-4D, information regarding visits to neighboring countries, as well as interpretation and explanation of government laws and college regulations.

**Job Location and Development**  
769-3368

The Job Location and Development program assists students with full-time and part-time employment. Current opportunities are posted in the student employment book, located in the Career Center in the Student Union Building. For additional information contact the Financial Aid Office.

**The Learning Center**  
769-3450

The Learning Center is a friendly, caring environment for North Idaho College students and community members. Services are provided through courses, tutoring, workshops, computers and other instructional modes. Assistance is available at every level of ability including non-readers.

A variety of educational development classes are offered including reading, spelling, vocabulary, and mathematics. Enrichment classes such as Library Skills, How to Study in College, and Strategies for Success are also available. Mini-courses or workshops may be offered in reading skills, note taking, test taking, test anxiety reduction and memory training.

The Learning Center also features computer assisted instruction in reading, spelling, grammar, mathematics, and study skills. Computers are also used to identify student learning styles, explore and establish career goals, and assist with time management.

The Peer Tutoring Center provides free assistance through qualified peer tutors. NIC students may receive two hours of peer tutoring per class each week.

Vocational Special Needs is a program for students enrolling in vocational programs who need assistance in required core competency classes. An instructor is available to work individually and in small groups with vocational students during scheduled hours.

Free instruction is offered through Adult Basic Education for adults over 16 years of age who did not complete high school. Adult Basic Education students receive instruction in reading, writing, mathematics, careers and life skills. Students may also attain a GED or High School Equivalency certificate.
Learning Resources
769-3355

Learning Resources includes the library and Instructional Technology. Its services are designed to foster a comprehensive and meaningful educational experience for NIC students.

To meet the increasingly sophisticated information needs of students, Instructional Technology offers the faculty creative services and materials for instructional design, such as video and television programming and computer-enhanced instruction. It also supports faculty through telecommunications services such as the recording of satellite and off-air programs and interactive teleconferences. Instructional Technology manages and maintains the campus audiovisual systems and media duplication services.

The NIC Library gathers and disseminates information in support of the college's educational mission, its various curricula and extension programs, its administrative initiatives, as well as the information needs of the local community. The Library provides quality services to enrich classroom instruction and develop skills that allow students to become independent, self-directed, lifelong learners.

The Library houses approximately 38,000 volumes and 450 periodical titles. Videos, audio cassettes, and compact discs play an increasingly important role in supporting NIC's diverse curriculum. Enhanced computer and telecommunications capabilities include on-line database services, CD-ROM databases, a teletype terminal, and telecommunications classroom.

The Library also offers a self-service copy center which houses copy machines, a transparency machine, paper cutters, and other equipment needed to complete classroom assignments. Typewriters are available for student use in the Library's keyboarding room. Sixty-eight microcomputers are located in the second floor computer labs.

Legal Advice
769-3367 or 769-3370

The Associated Students of North Idaho College (ASNIC) retains a lawyer to provide advice to students. The advice is free, but legal counsel or official representation is the financial responsibility of the student. For information contact the ASNIC Advisor or the Dean of Students.

Lost and Found
769-3310

Lost and found items should be turned in or claimed at the Campus Safety Office located at 905 River Avenue.

Office of Campus Safety
Campus Parking & Vehicle Registration
769-3310 or (661-1899) after 5 p.m.

The Office of Campus Safety is open 7 a.m. to 5 p.m. Monday through Friday and is located at 905 River Avenue.

Campus Nightwatch Services (661-1899) actively patrols the grounds, buildings and parking lots after 5 p.m. and will respond to any emergency or problem. If the situation presents a danger to persons or property call 911 (from a campus phone) dial 9-911) for emergency assistance for fire, police or ambulance.

All matters concerning campus parking, parking permits, vehicle registration, special event set-ups, room openings, lost and found, custodial and grounds services, environmental health and safety information, emergency response, or issues dealing with campus safety, security and/or emergencies should be directed to this office.

Registrar's Office
769-3320

The Registrar's Office, located in the Corner Room of the Student Union Building, serves the students, faculty and staff of the college community. The office registers students for classes, both credit and noncredit; records changes in student schedules; processes withdrawals from classes; maintains student transcripts and files; mails out grade reports; issues diplomas; and verifies enrollment for various student loan guarantors and the Veteran's Administration.

Special Populations Coordinator
769-3468

The Special Populations Coordinator provides on-campus coordination of services to Applied Technology special populations students and JOBS clients. This additional support is available on a one-time only, as-needed basis, or as an ongoing resource for the duration of the student's program. Support services are determined by student/faculty need. The Special Populations Coordinator also serves as a liaison between faculty, students and service providers. Students are invited to phone or drop by the office located in the Applied Technology Administrative Center in the Hedlund Building.

Veterans Administration (VA)

Educational Benefits
769-3281

NIC provides veterans affairs services through the Registrar's Office. Students eligible to receive VA benefits should contact that office prior to registration to assure timely submission of their claim to the appropriate VA facility. To be eligible for benefits, students must be matriculated (working toward a degree). All VA recipients of educational benefits must follow the curriculum for their declared major as outlined in the college catalog.
It is the responsibility of the student receiving benefits to report to the Veteran's Coordinator all changes that may affect eligibility for educational benefits. Failure to report such changes may result in delayed or improper benefit payments.

As with all students, regular class attendance is expected of recipients of VA benefits. For those enrolled in college degree programs, an instructor may cancel the enrollment of a student who attends only sporadically or who has been absent for a period of three or more consecutive weeks. The termination will be effective the last day of attendance as reported by the instructor.

Veterans Administration benefit counselors are directly available to each veteran, by phone, through the Veterans Administration Regional Office in Boise. That toll-free number is 1-800-827-1000. Specific information, such as eligibility for educational benefits, advance payment procedure, overpayment or underpayment of benefits, and program changes, can be obtained through that office.

**Student Life**

**Campus Life**

Throughout the year, numerous activities and functions are available to all students on the North Idaho College campus. Concerts, plays, and intercollegiate sports are just a few regularly scheduled opportunities provided by NIC.

Athletics plays a large role in providing students with an arena for exciting entertainment throughout the year. NIC competes in cross country, volleyball, men's and women's basketball, wrestling, baseball and track. Students may attend any of the regular-season home athletic events free of charge with their student identification card.

The Associated Students of North Idaho College (ASNIC) functions as the governing body and voice of the students. The student government is made up of a six-member senate, which is presided over by the ASNIC president and vice-president. Meetings are held on a weekly basis and are open to all students and staff.

Within the structure of ASNIC are two very important programs, Student Activities and ASNIC Clubs. Student Activities sponsors special events and activities that students can enjoy during breaks away from studies. Lecture series, slide presentations, barbecues, concerts, comedy nights, dances and numerous other special events are scheduled by the ASNIC Activities Director. This organization welcomes student input concerning events to be provided.

Student clubs are another important part of the ASNIC system. The Intra-Club Council oversees more than 30 established clubs at NIC. Some of these organizations include the Engineering Club, Pub Club (publications), Sailing Club, DEC, Rodeo Club, VICA, Welding Club, International Student Relations Club, and many more. Clubs participate in many student activities and also get involved in volunteer projects in the local community.

Intramural sports are provided on a regular basis, with leagues for men, women, and co-recreational teams. Team sports such as softball, basketball, and volleyball are very popular. Racquetball, tennis, golf, ping pong, pool, and wallyball are among the many individual and team sports in which students can participate.

Informal activities and socializing are regularly available through the Subway Game Room in the basement of the Edminster Student Union. A variety of electronic games, pool, and ping pong tables are provided, as well as a big screen TV lounge, typing room, and conversation tables. The Subway is also adjacent to all offices for ASNIC, Outdoor Adventures, and Intramural Sports.

**Associated Student Body**

769-3367

The Senate of the Associated Students of North Idaho College (ASNIC) plans, directs, promotes, and distributes ASB funding for extra-curricular activities, publications, convocations, forums, social events, and campus organizations.

Members of the board are the president and vice-president of the student body, three sophomore senators elected in the spring, and three freshman senators elected in the fall. Weekly meetings are held throughout the year and are open to all students. Board members serve on various policy-making committees of the NIC College Senate.

**Student Handbook**

A student handbook is provided to all students entering NIC. If a copy of this handbook is not received during the registration process, a student should obtain a copy from Student Services. The handbook outlines student organizations and includes the Constitution of the Associated Students, the North Idaho College Conduct and Discipline Code, and a convenient calendar for use throughout the semester. All students are expected to read and comply with the rules and regulations contained in this publication.

**Extracurricular Programs**

North Idaho College attempts to provide a broad range of student activities as justified by student participation. It is part of NIC's philosophy that these programs be open to all students regardless of previous experience.

ASNIC provides funds for many clubs and organizations on campus. For more information on any of these groups, visit the recreational office or call (208) 769-3366.

**Student Identification Cards**

All students enrolled at NIC will be issued a Student Identification Card. This card is one of the most important items you will receive during the registration process. With
it you are able to access numerous areas on campus and enjoy a variety of events at a discount or free of charge.

You must present your ID card to check out books from the library, use the computer labs, check out equipment in the gym, rent equipment in the campus recreation office, or to cash checks in the Edminster Union Building.

If your card is lost or damaged contact the Recreation Office located in the basement of the Edminster Union Building. There is a $5 replacement charge for a new card.

This card should be kept with you through your duration at North Idaho College. As you continue your studies at NIC, your card will be updated each semester with a validation sticker. Student Identification Cards are the property of NIC and the use of this card is governed by college rules and regulations. This card is non-transferable and must be presented to college officials upon request.

**NIC Popcorn Forum**

The North Idaho College Popcorn Forum, sponsored by the Department of Political Science and the Associated Student Body governing board, was created in the spring of 1971 and has presented more than 200 lectures by national and international speakers over the past 24 years. The one-hour campus lectures deal with a variety of topics including: politics, UFO's, Big Foot, theology, the Bill of Rights, mysteries, women's issues, nuclear war, world travel, evolution and creation, psychology, DNA, human sexuality, and wildlife photography.

**NIC Convocations**

NIC Convocations entail various programs around a central theme planned by a committee of faculty members and students. The events include outside speakers, entertainers, movies, and exhibits. The Convocations Committee seeks outside grants to support these enriching seminars which add to NIC's curriculum.

**NIC-TV Public Forum**

Sponsored by the Learning Resources Department, the NIC-TV Public Forum television program is one of the longest running college produced TV programs in America. The "Public Forum" has been on the air since September, 1972. "Public Forum" is broadcast weekly and has produced more than 1,000 programs. It can be seen on PBS stations KSFS (Spokane), KUID (Moscow), KCDT (Coeur d'Alene), KAIL (Boise), KIPT (Twin Falls) and KISU (Pocatello).

**Sentinel**

Students, with NIC's sponsorship, publish The Sentinel, which is a bi-weekly student newspaper. Interested students are encouraged to join the staff by registering for Journalism 100, Sentinel Staff. The Sentinel has recently earned three national first-place awards: the Robert F. Kennedy Journalism Award for outstanding coverage of disadvantaged people, the "Story of the Year" from the Los Angeles Times and the Pacemaker from the Associated Collegiate Press.

**Trestle Creek Review**

A literary magazine of prose and poetry is published under the sponsorship of the NIC English Division. Interested students are encouraged to enroll in English 203-A, Workshop: Trestle Creek Review, offered Spring semester.

**History and Folklife Center**

The centrally located 1878 Fort Sherman Officers' Quarters, together with the powder keg museum and chapel, are a link to the days when Fort Sherman occupied the present site of the College. The History and Folklife Center serves students and the community in several ways:

- as a repository for publicly donated materials regarding history and folk culture of this region and of ethnic groups within the community;
- as a center where these materials may be studied firsthand;
- as a clearinghouse for information and cooperative efforts among historical, genealogical and ethnic societies, institutions, and researchers or volunteers.

**Directory Information**

North Idaho College designates the following categories of student information as public: "Directory Information." Such information may be disclosed by the institution for any purpose, at its discretion.

1. Student's name.
2. Student’s address
3. Student's telephone number
4. Dates of attendance
5. Class
6. Previous institutions attended
7. Major field of study
8. Awards or honors (including Dean's List)
9. Degree conferred (including dates)
10. Past and present participation in officially recognized sports and activities
11. Physical factors (height, weight of athletes)
12. Date and place of birth

Currently enrolled students may withhold disclosure of any category of information under the Family Educational Rights and Privacy Act of 1974, as amended. To withhold disclosure, written notification must be received in the Registrar's Office, prior to the fourth week of a semester. Forms requesting the withholding of "Directory Information" are available in the Registrar's Office. North Idaho College assumes that failure on the part of any student to specifically request the withholding of categories of "Directory Information" indicates individual approval for disclosure.
Housing

Shepperd/Gridley Hall

Shepperd/Gridley Hall houses 48 men in the Shepperd Wing and 48 women in the Gridley Wing on the NIC campus. Supervision is provided by the Director of Housing and Residential Life and a staff of student assistants (Resident Advisors). In addition to the 48 double-occupancy rooms, students share two TV lounges, a conversation lounge, four laundry rooms, two study rooms, and a recreation room. Shepperd/Gridley Hall is centrally located on the NIC campus and is surrounded by eight tennis courts, the Powder Keg Museum, the baseball field, the Edminster Student Union Building, and the soccer field. Yap-Keehn-Um Beach on Lake Coeur d'Alene and the banks of the Spokane River are a stone's throw away from the residence hall. Downtown Coeur d'Alene with its shopping, city parks, and beach, is less than a mile away.

Hall rooms are provided with beds, desks, chairs, study lamps, and closets. Storage room is also provided for storage of trunks and suitcases. Students must provide their own bedding, linens, and towels. Laundry facilities are available for resident use and include ironing boards and coin-operated washers and dryers.

Residence hall information can be obtained through the Director's office in Shepperd/Gridley Hall (769-3469) or through Auxiliary Services (769-3361).

Application

Since residence hall space is limited and in high demand, students desiring to live in campus housing are urged to submit contracts and the $75 security deposit as early as possible. (Before March for Fall Semester.) Contracts may be obtained by writing to the Auxiliary Services Secretary, North Idaho College, 1000 W. Garden Avenue, Coeur d'Alene, ID 83814-2199.

Applicants will be required to contract for at least one semester at a time. A room deposit of $75 will be required to reserve the room at any time. This will be refunded: (1) if requested by July 20 (prior to Fall Semester), by Nov. 20 (prior to Spring Semester) or, (2) at the end of the contracted residence period, except for damage charges as assessed by the Director of Housing and Residential Life. Students will be charged for abnormal damage if it occurs.

Food Service

All residents are required to take meals in the dining facility at the Edminster Student Union. Two meal plans are provided.

Plan 19 Three meals a day, Monday through Friday; two meals on Saturday and Sunday.

Plan 14 Two meals a day, Monday through Sunday.

Meal schedules are posted. Every effort is made to serve all students with special class schedules. Meal service begins on the day before classes begin each semester and ends at dinner on the final day of the semester. Meals are not served during the regularly scheduled vacations which are Thanksgiving Break, Spring Break and Spring Break.

In the establishment of food service rates, full allowance has been made for normal absences so credit is not given for occasional meals missed.

On-campus meal service is also available to students living off campus.

Room and Board Costs

As with tuition and fees, room and board costs are set on an annual basis by the College Board of Trustees. The room and board costs for the 1994-95 school year are $3,310 (19 meal/week - double room) and $3,180 (14 meal/week - double room).

A $10 activity fee is included in each semester's payment costs, in order to support special hall services and activities.

Off Campus

Students who choose to live off campus are urged to find housing prior to the day of registration. The area house rental market becomes strained due to the influx of students during the first week of classes. The Director of Housing and Residential Life maintains a list of off-campus housing. Copies are available from Auxiliary Services (769-3361), Student Services (769-3370) or the Director of Housing (769-3469).
Evening Credit Courses

Evening courses are offered on the central campus and at outreach sites. These classes carry full academic credit that may be used as lower division work toward an associate and/or baccalaureate degree, or for personal enrichment. The courses follow the same format as the regular day programs and are offered during fall and spring semesters.

Academic evening classes are open to any person eligible for admission to NIC (see Admissions Section, page 12). Regularly enrolled day students who so desire may take evening classes as part of their regular course load.

The tuition and fees for academic credit evening courses will ordinarily be the same as that for daytime credit courses. Charges may vary on the outreach campuses.

Evening course offerings are published in the Fall, Spring, and Summer Class Schedules which are available from NIC offices or at local libraries. Requests for specific information on evening academic classes should be made to the Office of Instruction by phoning (208) 769-3403.

Outreach Credit Courses

North Idaho College offers a variety of courses in outreach sites to better serve residents of North Idaho. Persons residing in Benewah, Bonner, Boundary, and Shoshone counties may obtain information on outreach offerings from their local coordinator and from area public libraries. Phone (208) 769-3400 for more information.

Summer Credit Courses

Offered on the central campus, these one-week to eight-week classes carry full academic credit that may apply to lower division work toward an associate and/or baccalaureate degree. Students may also choose a summer school class for their own enjoyment or personal enrichment. See the NIC Admissions Policy and Class Schedule for details on summer classes or phone (208) 769-3400 for information.

Workforce Training and Community Education

NIC's Workforce Training and Community Education Department offers "something for everyone." Over 4,000 students enroll annually in a wide variety of courses which offer personal and professional development opportunities. Workforce Training and Community Education courses and programs are open to anyone over the age of 16. Courses are non-credit and do not require diploma or residency restrictions. Instructors are experts in their fields with hands-on, practical information.

Workforce Training

The goals of Workforce Training are to promote economic progress in Idaho by meeting employer needs for trained workers; providing students with skills and personal capabilities required for occupational success in technical and skilled occupations; meeting student needs for specific vocational training in selected occupations; and providing access to training for all participant groups and individuals.

Workforce Training includes pre-employment training, entrepreneurship training, upgrade training for employed persons, retraining for alternative employment opportunities and displaced workers, related instruction for apprentices in carpentry, electrical, sheet metal and plumbing, and skill development for personal enrichment.

Examples of recent noncredit, open enrollment course offerings include training for nurse assistants, dental assistants, occupational-physical therapist aides, EMTs, real estate professionals, as well as courses in welding, drafting, small engine repair, machining and many computer software programs.

Customized Training

NIC offers training and development programs that can be customized to suit the specific needs of businesses and non-profit organizations. Training is offered in large groups or small work groups either on campus or at the work site. These programs consist of training possibilities from basic classes to completely customized training programs designed to bring a company into the Continuous Quality Improvement Generation.

Past offerings have included computer classes, technical skill development, interpersonal skills, sales training, new employee orientation, continuous quality improvement, customer service management leadership and frontline employee training.

Fees vary with the nature and/or length of the course. Phone (208) 769-3444 for more information.

Community Education

The Office of Community Education offers special interest, non-credit courses to residents of the community. Class participants may cultivate a hobby, develop a skill, learn about an interesting subject, or simply enjoy a new activity. The wide range of courses is a result of requests from the community and are specially designed to be practical and enjoyable learning activities.

Community Education classes are offered year-round in the categories of Art and Literature, Health, Nutrition, Personal Growth and Recreation.

The Community Education Office also coordinates the annual Elderhostel program and sponsors a variety of
CONTINUING EDUCATION

events and classes designed at the requests of students and instructors.

Student cultural exchanges are offered through International Studies. Through a sister college agreement students from Nagasaki Junior College and NTC participate in educational exchanges each year. Community Education offers year-round opportunities for travel and education throughout the world via affiliation with the Travel earn program.

Idaho Small Business Development Center (ISBDC)

The mission of the Idaho Small Business Development Center is to provide direct consulting and training services to individuals and small businesses in Idaho through a sustained and increasingly effective higher education network.

The ISBDC's purpose is to serve as a focal point for linking together the resources of higher education, the private business community and federal, state and local governments. The ISBDC also serves as a small business assistance program serving prospective and existing small businesses in Idaho focusing on areas of consulting, skill training and information research. The Center serves small business owners and managers; expanding and start-up businesses; home-based businesses; as well as manufacturing, retail, wholesale, service and value added agriculture businesses.

The ISBDC develops and presents seminars, conferences and short courses to meet the needs of the business community. For more information phone (208) 769-3444.

Continuing Education Unit

Learning activities for which regular college-level credits are not awarded may be evaluated by a system of uniform continuing education units (CEU). Such units are granted in accordance with the following guidelines set forth by the National Task Force on the Continuing Unit.

Each CEU represents 10 contact hours of participation in an organized community education experience under responsible sponsorship, capable direction, and qualified instructors. Community education, as used in this definition, includes all learning experiences in organized formats that impart noncredit education to individuals who meet participation requirements. These properties of community education may be applied equally under the system regardless of the teaching-learning format, program duration, source of sponsorship, subject matter, level, audience, or purpose.

The number of units to be awarded is determined by considering the number of contact hours of instruction, or the equivalent, included in the educational activity. Reasonable allowance may be made for activities such as required reports, laboratory assignments, field trips, and supervised study.

Learning Center/General Education Development/Adult Basic Education

The Learning Center is a friendly, caring environment for North Idaho College students and community members. Services are provided through courses, tutoring, workshops, computers and other instructional modes. Assistance is available at every level of ability including non-reading.

A variety of educational development classes are offered including reading, spelling, vocabulary, and mathematics. Enrichment classes such as Library Skills, How to Study in College, and Strategies for Success are also available. Mini-courses or workshops may be offered in reading skills, note taking, test taking, test anxiety reduction and memory training.

The Learning Center also features computer assisted instruction in reading, spelling, grammar, mathematics, and study skills. Computers are also used to identify student learning styles, explore and establish career goals, and assist with time management.

The Peer Tutoring Center provides free assistance through qualified peer tutors. NIC students may receive two hours of peer tutoring per class each week.

Vocational Special Needs is a program for students enrolling in vocational programs who need assistance in required core competency classes. An instructor is available to work individually and in small groups with vocational students during scheduled hours.

Free instruction is offered through Adult Basic Education for adults over 16 years of age who did not complete high school. Adult Basic Education students receive instruction in reading, writing, mathematics, careers and life skills.

Students may also attain a GED or High School Equivalency Certificate. A fee is charge for taking the GED test. Complete information on the ABE/GED program may be obtained by calling the Adult Basic Education Program at (208) 769-3450.
International EFL Program

The English Foreign Language (EFL) program has three different levels of English fluency, from low intermediate (Level 3) to advanced (Level 5). A TOEFL (Test of English as a Foreign Language) score is not required to enter the program, and students successfully completing Level 5 may become full-time regular academic students.

An intensive 15 hours per week is spent in the classroom where a whole language approach is used. The program is divided into five classes with equal emphasis on Reading, Writing, Grammar, Listening & Tutorial, and Conversation.

Students applying must have studied English at least two years previously and have at least a limited understanding of English sentence structure and phonetics. Applicants must demonstrate that they are serious students who wish to achieve fluency in English. A transcript from the last high school or college attended is important, and low grades will disqualify an applicant. Applying students must also provide a health certificate, financial statement, and all other completed application forms before they can be issued an I-20 student visa required by United States Immigration.

*For admissions and fee information see the Admissions section, page 16.*

For more information and applications, contact the Office of Admissions
North Idaho College
1000 West Garden Avenue
Coeur d'Alene, Idaho, 83814 USA
(208) 769-3311 FAX (208) 765-2761

Correspondence Study

Correspondence study in Idaho is coordinated and administered by the Correspondence Study Office located at the University of Idaho. The University of Idaho's correspondence study catalogs are available from NIC's Admissions Office.
**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 similar short courses is granted on the basis of one semester credit for 45 hours of scholarly activity.

**Credit Enrollment Limits**

The normal credit enrollment limit for students is 15 to 18 credit hours, provided the student is not engaged in outside employment. Registering for an excessive number of credits may result in marginal performance. Students enrolling for more than 16 credits will be assessed a per-credit overload fee. Students who wish to carry more than 19 credit hours per semester must have the written permission of the Dean of Students.

It is strongly recommended that summer school students take no more than 3-7 academic credits. Students taking more than seven academic credits will need an advising clearance through Student Services before being allowed to register.

**College Transcript**

The college transcript includes a record of all courses for which a student was enrolled at the end of the change of registration period (the first week of classes) each semester. 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.

**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 the normal two-year period. This should not be confused with the fact that for purposes of calculating tuition and fees, students enrolled for eight credits or more are charged a flat rate.

**Freshman/Sophomore Classifications**

Students with 0-25 semester credits are classified as freshmen, those with 26-64 are classified as sophomores, and those with 65 or more are unclassified.

**Course Numbering System**

- **001-099** Courses are non-transferable and do not apply toward academic associate degrees. They will count toward total credits for Certificates of Completion and may be required within some A.A.S. degrees.
- **100-199** Primarily for freshmen.
- **200-299** Primarily for sophomores.

**Independent Studies**

Students may register for Independent Study courses during the first four weeks of a regular semester or the first two weeks of a summer session. Independent studies may be either reading, or of project nature, and must be approved by the instructor, appropriate division chair, and dean. Enrollment requirements are available in the Registrar's Office.

**Credit by Examination**

1. **Challenge for Credit**

   A student enrolled at NIC may petition to challenge courses based on work done through private study and/or employment 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 which a student has previously taken for credit or audited or in which he/she is currently enrolled or has been previously enrolled. Credit will be granted provided the student earns a grade of C or better. Neither grades nor credits earned through the challenge process will be counted in any given semester to determine load or grade point average, nor will they be included in computing cumulative grade point averages. Only currently enrolled students may qualify to challenge courses. Contact the Registrar's Office for specific regulations.

2. **CLEP Exam**

   North Idaho College accepts a limited number of CLEP (College Level Exam Program) general and subject area exams. For specific information, contact the Admissions Office.
3. Advanced Placement Examinations

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

Academic Probation, Suspension and Disqualification

This policy applies to any student carrying six or more credit hours at the end of the add/drop period of an applicable semester.

Probation—Students will be placed on academic probation when their NIC cumulative grade point average falls below 1.75.

Any student who wishes to transfer to NIC who has attended another college or university and whose cumulative grade point average is below 1.75 will be admitted on probation.

A student on academic probation who attains a grade point average of 2.00 or higher during a semester, but whose cumulative NIC grade point average is still below 1.75, remains on probation. A student on academic probation will be allowed to participate in registration for both Fall and Spring semesters. If, however, the student fails to meet minimum grade requirements and is placed on academic suspension or disqualification, his/her registration will be cancelled. The student will be notified by mail prior to the beginning of the new semester if such a change in academic status is determined.

Suspension—A student on academic probation will be suspended for one semester at the end of a probationary semester if he/she does not attain an NIC cumulative grade point average of at least 1.75 or a semester grade point average of at least 2.00. A student suspended after Fall semester may not enroll in classes the following Spring semester. Anyone suspended after Spring semester may not enroll in classes the following Fall semester. A student on suspension may take classes during a Summer session. If summer grades bring the overall grade point average up to 1.75, the student may appeal the suspension to the Admissions and Academic Standards Committee.

Disqualification—A student who has been suspended and returns is on probation. During the semester of the student's return, he/she must either attain an NIC cumulative grade point average of 1.75 or better or a semester grade point average of 2.00 or better. Failure to do so will result in disqualification, which means the student will not be permitted to re-enroll. A student who has been disqualified may be reinstated only after written petition and approval by the Admissions and Academic Standards Committee. However, a student who has been disqualified may take classes during a Summer session.

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 the college with a minimum cumulative grade point average of 2.50. These courses must be completed following the disregarded semester(s).

The student may have a maximum of two consecutive semesters (summer term excluded, unless it is one of the two deleted semesters) of course work disregarded in all calculations regarding the computation 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 term(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.

This policy will not be used for individual courses, or for students already holding associate or baccalaureate degrees. Since this is already a policy of exception, no exceptions will be made to the aforesaid conditions. Students should be aware that this policy MAY NOT BE ACCEPTED at transfer institutions.

Audit

A student may enroll in any lecture class on an audit basis. The student is expected to attend classes on a regular basis, but will not participate in the class and will not
receive credit for the class. Audited courses will not fulfill graduation requirements and do not affect a student's grade point average. The 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 add/drop 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 a Summer session.

Grading Procedure

Grades Issued

1. Final grades are reported as A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, W (withdrawal according to proper procedure), I (incomplete work of passing grade), S (satisfactory—for courses numbered below 050 and other designated courses), U (unsatisfactory—for courses in which an S is given). An S grade requires the equivalent of at least C (2.00) work.

2. In the computation of grade point averages, the following scale is used: A= 4.00, A- = 3.70, B+ = 3.30, B = 3.00, B- = 2.70, C+ = 2.30, C = 2.00, C- = 1.70, D+ = 1.30, D = 1.00, D- = .70, F = 0.00. Courses in which W, S, U, or I grades have been earned are not included in the calculation.

Grade Changes

A grade issued is the prerogative of the instructor and normally may not be changed except to correct a recording error. Any question about the correctness of a grade should first be referred to the appropriate instructor and/or the Registrar's Office. If the question is not satisfactorily answered, students should consult with the division chairperson, and then the appropriate Associate Dean of instruction. In unusual cases, if the problem is not resolved through administrative channels, the Admissions and Academic Standards Committee may, but is not obligated to, review the matter further. Should this Committee review the matter and find cause to recommend a grade change, a recommendation will be forwarded to the appropriate Dean. The Dean may, but is not obligated to, review the request from the Committee and instruct the Registrar to modify the grade as recommended.

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). If a final grade of I is recorded, the instructor shall indicate in writing to the Registrar what the student must do to make up the deficiency. The instructor shall also 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. In the event of extraordinary circumstances, the student may appeal to the Admissions and Academic Standards Committee for an extension of the deadline. This appeal must be made within the aforesaid six weeks.

Withdrawals

To withdraw from a course a student must obtain a Course Withdrawal Form from the Registrar's Office and have it signed by his/her advisor and the instructor of the course. The completed form must be returned to the Registrar's Office. A student may withdraw from a course only during the first 10 weeks of the semester. A student who withdraws officially from a course by 4 p.m. of the last day for withdrawal will receive a grade of W.

Withdrawal 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 withdrawal from a class which consists of eight sessions would be at 4 p.m. on the date of the fourth class session.

Students who do not attend or stop attending a class for which they have registered and do not officially withdraw from the class, will receive a grade of F, unless the instructor for the class initiates a withdrawal for them.

To withdraw from all courses a student must obtain a withdrawal form from the Office of the Registrar, consult with the Dean of Students, secure his/her signature and the signature of those persons indicated on the form, and return the form to the Office of the Registrar. No student may withdraw from the college after the tenth week of the semester except for compelling and extraordinary reasons and only after successfully petitioning the Admissions and Academic Standards Committee.

All students who withdraw from classes should be aware of the financial aid Satisfactory Progress Policy. See page 22.

Instructor Initiated Withdrawal

An instructor may initiate the withdrawal of any student in his/her class if he/she deems that the student's absences have been excessive and if it is before the drop date for that course. Withdrawal will be initiated by the instructor through the Registrar's Office by means of a form provided by that office. Faculty members are requested to make an effort to personally contact the student prior to initiating the withdrawal. Advisors will be notified of the instructor-initiated withdrawals of their advisees.

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Student Appeals

It is the responsibility of the Admissions and Academic Standards Committee to review and make decisions on individual student appeals dealing with admissions, probation, academic dismissal, graduation, extension of incompletes, and other areas of academic concern. Decisions made by the Committee may be appealed to the Associate Dean of Academic Transfer Programs or the Associate Dean of Applied Technology. For procedural information regarding appeals to the Admissions and Academic Standards Committee, contact either the Registrar's Office or the Office of Admissions.

Repeating a Course

Students who receive a grade below C (2.00) in a course may repeat that course to raise the 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.

Physical Education Requirements

All A.A. and A.S. degrees require two semester credits of physical education unless excused for cause. These requirements are met by completing two semesters of any P.E. activity or dance class.

Participants in Intercollegiate athletics receive one credit per semester per sport. Two credits will meet the P.E. requirements for the A.A. and A.S. degrees.

Disabled students may be exempt from physical education activity course requirements upon the recommendation of a physician and the approval of the division chairperson, if alternative activity courses cannot be arranged.

All students, regardless of age, must meet all physical education requirements.

Students enrolling in designated physical education activity courses may be charged extra fees payable at registration.

Transcript Request

Upon completion of college credit courses, a student may have his/her record of credits and general credentials transferred to any other institution. A special form provided for this purpose is made out by the Registrar and sent directly to the institution indicated. The transcript includes the college courses, grades, credits, grade point average and notation of program completion. Students are urged to consult with the Office of the Registrar for further details. Each student is entitled to one free copy of his or her transcript. Additional copies will require the payment of a special fee. It should be noted that the signature of the student is required by federal law for release of the transcript.

Class Schedule Changes

Class schedule changes (add/drops) are permitted throughout registration during the first week of each semester, and the first two days of summer session. This means that students may add new classes to their schedules and drop others without transcript notation. To make the changes, a Schedule Change Form must be completed. These forms are available in the Registrar's Office and in Student Services. The completed forms must be turned into the Registrar's Office.

Examinations

In general, students missing a regularly scheduled examination will be given the opportunity to make up the examination, provided the reason for the absence is considered valid by the instructor involved.

Dean's List (Honor Roll)

To qualify for the Dean's List, students must earn a semester GPA of 3.75 or higher and receive grades of A, B, C, D, or F in 80% or more of their classes.

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.

Instructors may initiate the withdrawal of any student in their class if they deem that the student's absences have been excessive and if it is before the last day one may withdraw from a course.

Conduct

Students are expected to read and comply with the North Idaho College Student Conduct and Discipline Code which may be found in the Student Handbook. This handbook is distributed at the time of registration. If a copy of the handbook is not received during registration, the student should obtain a copy from Student Services.
**Information for Transfer Students**

North Idaho College has "articulation" agreements with all Idaho public colleges and universities which mean students who have received either NIC's Associate of Arts (A.A.) or Associate of Science (A.S.) Degree transfer with junior standing. A similar agreement exists with Eastern Washington University and Gonzaga University for graduates of NIC's A.A. degree.

Most four-year institutions require one-half of the total required bachelor degree credits to be upper division courses (300-400 level). In addition to the core requirements fulfilled by NIC's A.A. or A.S. degree, some programs may require specific lower division courses (100-200 level) within the student's major. Determination of required courses should include an early consultation with the transfer institution's catalog. To help with planning prior to the selection of a transfer institution, many suggested transfer programs are included in the Program Guidelines section of this catalog which begins on page 47.

Requirements for the A.A. and A.S. degrees are listed below. Degree selection should be determined primarily by where the student intends to transfer. Students transferring to Eastern Washington University or Gonzaga University should fulfill A.A. requirements. Students who are not sure where they may transfer should also consider the A.A., since its many core areas and use of traditional and widely accepted course options provide a strong transfer preparation. Students who know where they plan to transfer (either than E.W.U. and Gonzaga) could consider the A.S. degree. Its wide range of course options and greater number of elective credits make it very versatile in adapting to the requirements of almost all transfer programs.

Careful planning is an important factor in the efficient transfer of credits. Earning an A.S. or A.A. degree provides a rewarding structure for planning and assures fulfillment of most or all core requirements at transfer schools.

**Associate of Arts and Associate of Science Degree Goals**

Goal 1: To express ideas in clear, logical, and grammatically correct written English.

Goal 2: To express ideas clearly, correctly, logically, and persuasively in spoken English.

Goal 3: To gain an understanding of mathematics as a language in which to express, define, and answer questions about the world.

Goal 4: To understand how the biological and physical sciences explain the natural world.

Goal 5: To understand the creative processes, the aesthetic principles, and the historical traditions of one or more of the fine arts.

Goal 6: To understand how major works of literature explore the human condition and examine human values.

Goal 7: To understand how major philosophies influence human thought and behavior.

Goal 8: To understand the history and culture of Western Civilization.

Goal 9: To understand cultures other than those of the United States and/or develop communication skills in a foreign language.

Goal 10: To understand how political and/or economic organization, structures, and institutions function and influence human thought and behavior.

Goal 11: To understand how people function within society.
The Associate of Arts (A.A.) Degree

To qualify for an A.A. degree, a candidate must:
- 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
- satisfy distribution requirements listed below, with a grade of C- or better in each course.

<table>
<thead>
<tr>
<th>ENGLISH COMPOSITION REQUIREMENT</th>
<th>Complete these two courses (6 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ ENGL 103</td>
<td>English Composition* 3</td>
</tr>
<tr>
<td>___ ENGL 104</td>
<td>English Composition 3</td>
</tr>
<tr>
<td>*Students must pass the competency exam before registering for English 104</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMMUNICATION REQUIREMENT</th>
<th>Complete this course (3 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ COMG 131</td>
<td>Introduction to Speech 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CRITICAL THINKING REQUIREMENT</th>
<th>Complete this course (3 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ PHIL 120</td>
<td>Logic &amp; Critical Thinking 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATHEMATICS REQUIREMENT</th>
<th>Complete one of the following (3-5 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ MATH 115</td>
<td>Finite Mathematics 4</td>
</tr>
<tr>
<td>___ MATH 120</td>
<td>Contemporary Mathematics 3</td>
</tr>
<tr>
<td>___ MATH 135</td>
<td>Math for Elementary Teachers 3</td>
</tr>
<tr>
<td>___ MATH 155</td>
<td>Precalculus 5</td>
</tr>
<tr>
<td>___ MATH 160</td>
<td>Survey of Calculus 4</td>
</tr>
<tr>
<td>___ MATH 180</td>
<td>Analytic Geom &amp; Calc I 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPUTER SCIENCE REQUIREMENT</th>
<th>Complete one of the following (2-3 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ BUSA 100</td>
<td>Introduction to Computers 3</td>
</tr>
<tr>
<td>___ CS 100</td>
<td>Introduction to Computers 3</td>
</tr>
<tr>
<td>___ CS 102</td>
<td>Intro to Computers/ Educators 3</td>
</tr>
<tr>
<td>___ CS 125</td>
<td>Introduction to BASIC 2</td>
</tr>
<tr>
<td>___ CS 150</td>
<td>Computer Science I 3</td>
</tr>
<tr>
<td>___ CS 185</td>
<td>Intro to Numerical Computing with FORTRAN 3</td>
</tr>
<tr>
<td>___ CS 201</td>
<td>Intro to Computer Algorithms 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LABORATORY SCIENCE REQUIREMENT</th>
<th>Complete two courses from two groups (6 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ BIOL 100</td>
<td>Fundamentals of Biology 4</td>
</tr>
<tr>
<td>___ BIOL 175</td>
<td>Human Biology 4</td>
</tr>
<tr>
<td>___ BIOL 201</td>
<td>Intro to Life Sciences 4</td>
</tr>
<tr>
<td>___ BIOL 231</td>
<td>General Ecology 4</td>
</tr>
<tr>
<td>___ FORS 221</td>
<td>Forest Ecology 4</td>
</tr>
<tr>
<td>___ FORS 221</td>
<td>Forest Ecology 4</td>
</tr>
<tr>
<td>___ CHEM 107</td>
<td>Basic Concepts of Chemistry I 4</td>
</tr>
<tr>
<td>___ CHEM 111</td>
<td>Principles of Chemistry I 4</td>
</tr>
<tr>
<td>___ GEOG 100/101</td>
<td>Physical Geography 4</td>
</tr>
<tr>
<td>___ GEOG 101/102</td>
<td>Physical Geology 4</td>
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<tr>
<td>___ PHYS 101</td>
<td>Fund of Physical Science 4</td>
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<tr>
<td>___ PHYS 103/104</td>
<td>Elementary Astronomy 4</td>
</tr>
<tr>
<td>___ PHYS 113/115</td>
<td>General Physics I 4</td>
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<table>
<thead>
<tr>
<th>ARTS and HUMANITIES REQUIREMENT</th>
<th>Complete one course in each group (6 Credits)</th>
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</thead>
<tbody>
<tr>
<td>___ ART 101</td>
<td>Survey of Art I 3</td>
</tr>
<tr>
<td>___ ART 102</td>
<td>Survey of Art II 3</td>
</tr>
<tr>
<td>___ ART 103</td>
<td>Art Appreciation 3</td>
</tr>
<tr>
<td>___ CINA 126</td>
<td>Film and International Culture 3</td>
</tr>
<tr>
<td>___ HUMN 101*</td>
<td>Montage: Intro to the Humanities 3</td>
</tr>
<tr>
<td>___ MUS 125</td>
<td>Survey of Music 3</td>
</tr>
<tr>
<td>___ MUS 251</td>
<td>Introduction to Music History 3</td>
</tr>
<tr>
<td>___ THTR 101</td>
<td>Introduction to the Theatre 3</td>
</tr>
<tr>
<td>___ ENGL 111</td>
<td>Literature of Western Civilization 3</td>
</tr>
<tr>
<td>___ ENGL 112</td>
<td>Literature of Western Civilization 3</td>
</tr>
<tr>
<td>___ ENGL 175</td>
<td>Introduction to Literature 3</td>
</tr>
<tr>
<td>___ ENGL 267</td>
<td>Survey of English Literature 3</td>
</tr>
<tr>
<td>___ ENGL 268</td>
<td>Survey of English Literature 3</td>
</tr>
<tr>
<td>___ ENGL 277</td>
<td>Survey of American Literature 3</td>
</tr>
<tr>
<td>___ ENGL 278</td>
<td>Survey of American Literature 3</td>
</tr>
<tr>
<td>___ HUMN 101**</td>
<td>Montage: Introduction to the Humanities 3</td>
</tr>
</tbody>
</table>

*HUMN 101 may be used to fulfill the requirement for one group only.
## Associate of Arts Degree (continued)

### Physical Education Requirement
Complete 2 courses from any P.E. activity or dance class (2 credits)

### Cultural Diversity Requirement
Complete one of the following (3-4 Credits)

- ANTH 225 Native People of North America 3
- FLAN 207 Contemporary World Cultures 3
- FREN 201 Intermediate French 4
- FREN 202 Intermediate French 4
- GERM 221 Intermediate German 4
- GERM 222 Intermediate German 4
- SPAN 211 Intermediate Spanish 4
- SPAN 212 Intermediate Spanish 4

### Social Science Requirement
Complete one course in each group (12 Credits)

#### Group 1
- ANTH 120 Social and Cultural Anthro 3
- PSYC 100 Introduction to Psychology 3
- SOC 110 Introduction to Sociology 3

#### Group 2
- ECON 151 Principles of Economics (Macro) 3
- ECON 152 Principles of Economics (Micro) 3
- POLS 101 American Nat'l Government 3
- POLS 105 Intro to Political Science 3

#### Group 3
- HIST 101 History of Civilization 3
- HIST 102 History of Civilization 3
- HIST 111 U.S. History 3
- HIST 112 U.S. History 3

#### Group 4
- ANTH 110 Intro to Physical Anthropology 3
- ANTH 230 Intro to Arch & World Prehistory 3
- POLS 102 State & Local Government 3
- PSYC 205 Developmental Psychology 3
- PSYC 218 Research in Behavioral Science 4
- SOC 220 Marriage and Family 3
- SOC 230 Social Problems 3

### Non-core Elective Requirement
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 A.S. degree a candidate must:
• 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
• satisfy the distribution requirements listed below, with a grade of C- or better in each course.

ENGLISH COMPOSITION REQUIREMENTS
Complete these two courses (6 credits)
   ENGL 103* English Composition 3
   ENGL 104 English Composition 3
*Students must pass the competency examination before registering for English 104.

LABORATORY SCIENCE REQUIREMENT
Complete 8 credits from the following. Courses must be from two different disciplines.
   BACT 250 General Microbiology 4
   BIOL 100 Fundamentals of Biology 4
   BIOL 175 Human Biology 4
   BIOL 201 Introduction to Life Sciences 4
   BIOL 231 General Ecology and Lab 4
   BTNY 203 General Botany 4
   BTNY 341 Systematic Botany 4
   CHEM 103 Prep for College Chemistry 4
   CHEM 107 Basic Concepts of Chemistry I 4
   CHEM 111 Principles of Chemistry I 4
   CHEM 112 Principles of Chemistry II 5
   CHEM 114 Gen Chemistry 4
   ENSI 119/120 Intro to Envir Science and Lab 4
   FORS 221 Forest Ecology 4
   GEOG 100/101 Physical Geography and Lab 4
   GEOL 101/102 Physical Geology and Lab 4
   GEOL 106/107 Historical Geology and Lab 4
   PHYS 101 Fund of Physical Science 4
   PHYS 103/104 Elementary Astronomy and Lab 4
   PHYS 113/115 Gen Physics I and Lab 4
   PHYS 114/116 Gen Physics II and Lab 4
   PHYS 210/212 Engineering Physics and Lab 4
   PHYS 220/223 College Physics I and Lab 4
   PHYS 221/224 College Physics II and Lab 4
   ZOOL 107 Human Anatomy and Physiology 4
   ZOOL 108 Human Anatomy and Physiology 4
   ZOOL 202 General Zoology 4

SOCIAL SCIENCE & ARTS & HUMANITIES REQUIREMENTS
Complete 15 credits from the following two lists of courses.

Social Science: At least 6 credits, including courses from 2 different disciplines
   ANTH 110 Intro to Physical Anthropology 3
   ANTH 120 Social & Cultural Anthropology 3
   ANTH 225 Native People of North America 3
   ANTH 230 Intro to Arch & Wld Prehistory 3
   ECON 151 Principles of Economics (Macro) 3
   ECON 152 Principles of Economics (Micro) 3
   HIST 101 History of Civilization 3
   HIST 102 History of Civilization 3
   HIST 111 U.S. History 3
   HIST 112 U.S. History 3
   POLS 101 American Natl Government 3
   POLS 102 State and Local Government 3
   POLS 105 Intro to Political Science 3
   PSYC 100 Intro to Psychology 3
   PSYC 205 Developmental Psychology 3
   PSYC 210 Research in Behavioral Sciences 4
   SOC 110 Introduction to Sociology 3
   SOC 220 Marriage and Family 3
   SOC 230 Social Problems 3

Arts and Humanities: At least 6 credits including courses from 2 different disciplines
   ART 101 Survey of Art I 3
   ART 102 Survey of Art II 3
   ART 103 Art Appreciation 3
   CINA 126 Film and International Culture 3
   ENGL 111 Literature of Western Civilization 3
   ENGL 112 Literature of Western Civilization 3
   ENGL 175 Introduction to Literature 3
   ENGL 267 Survey of English Literature 3
   ENGL 268 Survey of English Literature 3
   ENGL 277 Survey of American Literature 3
   ENGL 278 Survey of American Literature 3
   FLAN 207 Contemporary World Culture 3
   HUMN 101 Montage: Intro to the Humanities 3
   MUS 125 Survey of Music 3

MUS 125 Survey of Music 3


**Associate of Science Degree (continued)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUS 127</td>
<td>Surv of American Popular Music</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 103</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 111</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>THTR 101</td>
<td>Introduction to the Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

**Non-core Elective Requirement**

Complete 24-27 credits (these should be selected to meet major requirements at an intended transfer institution).

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**PHYSICAL EDUCATION REQUIREMENT**

Complete 2 courses from any P.E. activity or dance class (2 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

**COMMUNICATION REQUIREMENT**

Complete this course (3 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>COMG 131</td>
<td>3</td>
</tr>
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</table>

**MATHEMATICS REQUIREMENT**

Complete one of the following (3-5 Credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 251</td>
<td>Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 115</td>
<td>Finite Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Contemporary Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 155</td>
<td>Precalculus</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Survey of Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 180</td>
<td>Analytic Geometry and Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Principles of Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>
The Associate of Applied Science (A.A.S.) Degree

The Associate of Applied Science Degree is designed to provide training in specialized skills that can connect with immediate employment opportunities. The A.A.S. is not intended as a preparation for transfer to bachelor degree programs although many of its credits may transfer to other institutions.

To qualify for an Associate of Applied Science Degree, a candidate must complete the requirements of an established occupational program with a grade point average of 2.00 (C) or better in all work attempted. A grade of C- or better is required in each specific course listed within the program outline. No program awarding an A.A.S. degree will be established that requires fewer than 60 credits for graduation.

In addition to the technical curricula, some occupational programs require an additional 12 credits selected from the academic courses listed below. Students may also select courses from this list when specific courses are not designated by their program curriculum.

Take 6 credits from the following:

**Communications**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 099*</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>6</td>
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<tr>
<td>ENGL 202</td>
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<tr>
<td>ENGL 272**</td>
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<td>COMG 131</td>
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<td>COMG 200</td>
<td>2</td>
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<tr>
<td>ATEC 110</td>
<td>1</td>
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</tbody>
</table>

Take 6 credits from the following:

**Economics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 151</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 100</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 110</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 111</td>
<td>3</td>
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<tr>
<td>BUSA 127</td>
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<td>BUSA 130</td>
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<tr>
<td>BUSA 202</td>
<td>3</td>
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<tr>
<td>CS 100</td>
<td>3</td>
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</table>

Human Relations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 110</td>
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</tr>
<tr>
<td>SOC 230</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>3</td>
</tr>
</tbody>
</table>

* Will count toward A.A.S. degree, but is not a transferable credit.

** Prerequisite: English 103 or permission of instructor.

Certificate of Completion

A student may qualify for a Certificate of Completion by completing a technical program or approved academic program (Certificate of Completion in Music) with a grade point average of 2.00 (C) or better. A grade of C- or better is required in each specific course listed within the program outline.
Graduation

Awards for completion of programs will be granted according to the graduation requirements listed below.

Application for Graduation
Candidates for graduation at the annual spring commencement exercises must file an Application for Graduation form with the Registrar no later than January 15 of the year in which they wish to graduate. Candidates for graduation at other times during the year should file an Application for Graduation at least one month prior to the end of the semester or summer session in which they will complete the requirements for a degree or certificate.

Final Credits Earned and Exceptions
Candidates for an associate degree or certificate of completion must earn their final 12 credits while enrolled at NIC. 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
North Idaho College students who complete requirements for an associate degree or certificate of completion may graduate under the requirements defined in any catalog in effect during enrollment for the four years previous to graduation.

Credit Limitations
A candidate may count toward an associate degree no more than:
(a) 24 credits earned by examination.
(b) 32 credits earned by correspondence or examination.

Second Associate Degree
A student meeting both A.A. and A.S. degree requirements simultaneously will be eligible to receive both degrees.

NOTE: The college reserves the right to augment, alter, or delete without notice, the content of courses or curricula as described herein. It is the student's responsibility to obtain information about any changes in course content or curriculum from the appropriate instructor or advisor during registration and not later than the first day of class.
# Program Planning Form

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
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<th>Term</th>
<th>Course</th>
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</tr>
</tbody>
</table>

*revised 7/92*
College Transfer Programs

The following curriculum programs are recommended for community college students wishing to transfer to major programs of study at four-year colleges or universities. Because specific course requirements and curriculum requirements vary at each college and university, students are encouraged to consult with their advisors so the curricula in which they enroll at NIC is compatible with those of the college or university to which they plan to transfer. Advisors can assist planning for students who are unsure of a transfer major or who want to pursue a major that is not listed in this catalog.

Transfer Credit Hours

Academic credits earned in college transfer programs at NIC are accepted at area colleges. Most four-year institutions require one-half of the total number of credits for the baccalaureate degree to be taken at the upper-division level. Generally, 64 credits, or one-half of the total number of credits required for the student's intended baccalaureate degree, may be taken at junior or community colleges. NIC students transferring to an in-state four-year institution may transfer up to 70 credits towards a baccalaureate degree.

Students attending NIC are cautioned that it is the responsibility of each student to know the requirements of the four-year college or university to which they intend to transfer and to meet those requirements.

Guide to College Transfer Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
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<tr>
<td>Art</td>
<td>49</td>
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<tr>
<td>Astronomy</td>
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<tr>
<td>Bacteriology</td>
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<tr>
<td>Biology, Botany, Zoology</td>
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</tr>
<tr>
<td>Business Administration</td>
<td>53</td>
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<tr>
<td>Business Education</td>
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<tr>
<td>Chemistry</td>
<td>54</td>
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<tr>
<td>Child Development</td>
<td>55</td>
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<tr>
<td>Communications</td>
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<tr>
<td>Computer Science</td>
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<tr>
<td>Criminal Justice</td>
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<td>Education</td>
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<td>Engineering</td>
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<td>English</td>
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<td>Foreign Language</td>
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<td>Forestry/Wildlife/Range/</td>
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<td>Wildland Recreational Management</td>
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<td>General Studies</td>
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<td>Geology</td>
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<tr>
<td>Political Science/Pre-Law</td>
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<tr>
<td>Pre-Agriculture</td>
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</tr>
<tr>
<td>Pre-Medical-Related Fields</td>
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</tr>
<tr>
<td>Pre-Physical Therapy</td>
<td>79</td>
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<tr>
<td>Pre-Social Work</td>
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<tr>
<td>Pre-Veterinary Medicine</td>
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<tr>
<td>Psychology</td>
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<td>Sociology</td>
<td>83</td>
</tr>
<tr>
<td>Theatre</td>
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</tr>
</tbody>
</table>
Applied Technology/ 
Occupational Programs

North Idaho College is dedicated to meeting the training needs of North Idaho through a number of specialized training programs. Students enrolled in these programs receive comprehensive training in both the classroom and the laboratory. They may also receive on-the-job experience through intern-practicum or co-op opportunities.

The purpose of these programs is to provide educational training for specific entry-level job skills. NIC is committed to preparing students to enter, succeed, and advance in the world of work. Reinforcing basic skills and developing job-related skills are integral components of all programs.

These career-oriented programs vary in length depending on program objectives. Some programs result in a Certificate of Completion and others result in an Associate of Applied Science Degree.

Students seeking a Certificate of Completion from NIC must earn an overall grade point average of at least a 2.00 (C) in all courses required in the program. A grade of "C-" or better is also required for each specific course listed within the program outline. Practical Nursing, however, requires a 3.00 (B) cumulative GPA.

Students seeking an Associate of Applied Science Degree from NIC must have an overall grade point average of 2.00 (C) in all courses required in the A.A.S. program. A grade of "C-" or better is also required for each specific course listed within the program outline. Students are cautioned that some of the courses offered in these degree programs may not be transferrable to other institutions.

Some programs require electives in the areas of communications, economics, and human relations (see page 42). Students should consult an advisor or Student Services for assistance in setting up their program of study.

Guide to Applied Technology/ 
Occupational Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allied Health</td>
<td></td>
</tr>
<tr>
<td>Human Services</td>
<td>47</td>
</tr>
<tr>
<td>Mental Health Technician</td>
<td>47</td>
</tr>
<tr>
<td>Pharmacy Technician</td>
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</tr>
<tr>
<td>Auto Body Technology*</td>
<td>50</td>
</tr>
<tr>
<td>Automotive Technician*</td>
<td>51</td>
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<tr>
<td>Carpentry*</td>
<td>54</td>
</tr>
<tr>
<td>Child Development</td>
<td>55</td>
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<tr>
<td>Commercial Art</td>
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<tr>
<td>Computer Applications in Business</td>
<td>58</td>
</tr>
<tr>
<td>Culinary Arts*</td>
<td>59</td>
</tr>
<tr>
<td>Diesel Technology*</td>
<td>60</td>
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<tr>
<td>Drafting Technology*</td>
<td>61</td>
</tr>
<tr>
<td>Electronics Technology*</td>
<td>62</td>
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<tr>
<td>Heating, Ventilation, Refrigeration, and Air Conditioning*</td>
<td>66</td>
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<tr>
<td>Journalism Technician</td>
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<tr>
<td>Law Enforcement</td>
<td>70</td>
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<tr>
<td>Machining Technology*</td>
<td>71</td>
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<tr>
<td>Maintenance Mechanic/Millwright*</td>
<td>72</td>
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<tr>
<td>Marine Mechanics*</td>
<td>72</td>
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<tr>
<td>Nursing (PN)*</td>
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<td>Office Information Specialist</td>
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<td>Office Systems Specialist</td>
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<td>81</td>
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<tr>
<td>Legal</td>
<td>82</td>
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<tr>
<td>Medical</td>
<td>82</td>
</tr>
<tr>
<td>Small Business Management</td>
<td>83</td>
</tr>
<tr>
<td>Welding*</td>
<td>85</td>
</tr>
</tbody>
</table>

*Limited Enrollment. Early application is encouraged. A $75 deposit is required for these programs after the student has been accepted. Please contact the Admissions Office for further information.
Allied Health

Mental Health Technician
Applied Technology/Occupational Program

The Mental Health Technician program is an 11-month certificate program designed to train students for direct care positions working with individuals who are mentally ill, emotionally ill, or developmentally disabled. Populations include children, adolescents, adults, and the elderly in hospital and community settings. The curriculum includes basic college coursework (English, psychology, sociology, interpersonal communication), specialized Mental Health Technician courses addressing human problems that result in situational or developmental crises (family abuse, rape, loss of significant others, work, health); and mental disorders, including mental retardation, eating disorders, schizophrenia, depression, manic, substance abuse, personality disorders, and anxiety disorders. Field experiences will assist the students to develop basic skill in communication and interviewing techniques, establishing helping relationships, mental status assessment, designing and implementing therapeutic patient care plans, and managing problematic behaviors (anger, manipulation, compulsiveness, dependence). Self awareness, ethical and legal issues will also be addressed.

This program has a selective admissions process with 12-16 students admitted to the certification field experience each year. Applicants for the field experience must be nursing assistants and CPR certified. Students must provide documentation showing completion of MATH 030 or its equivalent, or recent (within last two years) ASSET scores indicating placement in MATH 101, Intermediate Algebra. Courses required prior to the field experience are open to all students who meet specific course prerequisites.

Applications to the field experience are due by April 3 of each year for the Summer session which begins the first week of June. For further information, contact the Allied Health Division at (203) 769-3279.

Certificate of Completion
First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTH 101</td>
<td>Introduction to Allied Health</td>
<td>1</td>
</tr>
<tr>
<td>HSS 101</td>
<td>Introduction to Human Services</td>
<td>2</td>
</tr>
<tr>
<td>HSS 102</td>
<td>Introduction to Human Services Lab</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>COMG 101</td>
<td>Interviewing Techniques</td>
<td>2</td>
</tr>
<tr>
<td>COMG 233</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUSO 107</td>
<td>Medical Terminology/Anatomy</td>
<td>2</td>
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</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ALTH 105</td>
<td>Infection Prevention</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 211</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>COMG 236</td>
<td>Small Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>HSS 108</td>
<td>Helping Skills Lab</td>
<td>1</td>
</tr>
<tr>
<td>MLTH 106</td>
<td>Mental Health Tech 1</td>
<td>2</td>
</tr>
<tr>
<td>MLTH 107</td>
<td>Mental Health Tech Lab</td>
<td>1</td>
</tr>
<tr>
<td>MLTH 120</td>
<td>Orientation to Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 292</td>
<td>Ethics in Health Care</td>
<td>3</td>
</tr>
</tbody>
</table>

Summer Session (10 weeks)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
</tr>
<tr>
<td>MLTH 121</td>
<td>Mental Health Field Experience</td>
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</tr>
<tr>
<td>MLTH 122</td>
<td>Practicum Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL ............................................. 44

Human Services

Applied Technology/Occupational Program

The Human Services Associate of Applied Science Degree program is designed to train paraprofessional workers to assist in meeting human needs within the community. Human services worker roles include advocacy, case management, outreach, behavior change; teacher, caregiver, and assistant to specialists. Jobs might be found in group homes and halfway houses; correctional, mental retardation, and community health centers; family, child, and youth service agencies; and programs concerned with alcohol, drug abuse, family violence, and aging. Depending on the employment setting, job titles and duties vary a great deal.

The Human Services A.A.S. degree program has a selective admissions process with 12-16 students admitted to the field experience every other year. Course work requirements prior to field experience are open to all students who meet specific course prerequisites. The program is designed to enable a student with a Mental Health Certificate to complete requirements for the A.A.S. degree in one year. While the A.A.S. option does not require completion of the Mental Health Technician certificate, the certificate is strongly recommended for any student seeking employment in the direct care role. Students successfully completing the Mental Health Technician Certificate will be given priority status for the A.A.S. program acceptance.

The deadline for submitting completed application packets is April 3 of even-numbered years for admission into the Human Services field experience beginning the following fall semester. Contact the Allied Health Division at (203) 769-3279 for further information about this program.

Associate of Applied Science Degree
First Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTH 101</td>
<td>Introduction to Allied Health</td>
<td>1</td>
</tr>
</tbody>
</table>
HSS 101  Introduction to Human Services .................. 2
HSS 102  Introduction to Human Services Lab ............ 1
PSYC 100  Introduction to Psychology .................. 3
ENGL 103  English Composition .......................... 3
COMG 233  Interpersonal Communication .................. 3

**Spring Semester**

HSS 120  Orientation to Field Experience .................. 1
ALTH 105  Infection Prevention .......................... 2
HSS 108  Helping Skills Lab ................................ 1
PSYC 211  Abnormal Psychology .......................... 3
COMG 236  Small Group Dynamics .......................... 3
COMG 101  Interviewing Techniques ...................... 2
PHIL 292  Ethics in Health Care .......................... 3

**Second Year**

**Fall Semester**

HSS 220  Crisis Theory & Intervention ................... 3
HSS 221  Field Experience and Seminar I ................ 5
SOWK 240  Introduction to Social Welfare ................. 3
ENGL 104  English Composition .......................... 3
or ENGL 202  Technical Writing (3) ......................

**Spring Semester**

HSS 230  Case Management .................................. 3
HSS 231  Field Experience and Seminar II ................. 5
SOC 155  Drug Abuse: Fact, Fiction, Future .............. 3
BIOL 175  Human Biology .................................. 4
CS/BUSC 100  Introduction to Computers .................. 3

**Summer Session**

SOC 110  Introduction to Sociology ...................... 3
or SOC 230  Social Problems (3) .........................
PSYC 205  Developmental Psychology ..................... 3
TOTAL ..................................................... 66

**Pharmacy Technician**

**Applied Technology/Occupational Program**

The Pharmacy Technician program prepares graduates for positions working under the supervision of a licensed and registered pharmacist in retail, wholesale, and medical facilities. Students completing the program will have a basic understanding of anatomy, physiology, medical terminology, and the therapeutic classification and use of the top 200 drugs. Students will develop skill in pharmaceutical preparation, maintaining patient profiles or records, performing stock procedures, communication, and presentation, and computer use to enter, store, and recall patient information.

The Pharmacy Technician program has a selective admissions process with 8-12 students admitted to the pharmacy course work and practicum which begins in the spring semester of odd numbered years. Course requirements prior to the pharmacy courses are open to all students who meet specific course prerequisites. The Certificate of Completion can be obtained in an 11-month course of study. The Associate of Applied Science Degree can be obtained in two additional semesters.

The deadline for submitting completed application packets is October 25 in even-numbered years for admission to the program beginning the following spring semester. Contact the Allied Health Division at (208) 769-3279 for further information.

**Certificate of Completion**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTH 101</td>
<td>Introduction to Allied Health .........</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>ALTH 102</td>
<td>Introduction to Allied Health Lab ....</td>
<td></td>
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<tr>
<td>BIOL 175</td>
<td>Human Biology ..........................</td>
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<tr>
<td>ALTH 097</td>
<td>Math for Allied Health Workers .......</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>BUSO 107</td>
<td>Medical Terminology/Anatomy ...........</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition ...................</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 202</td>
<td>Technical Writing (3) ................</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMG 233</td>
<td>Interpersonal Communication ..........</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHIL 292</td>
<td>Ethics in Health Care ................</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHAR 110</td>
<td>Pharmacy Law ...........................</td>
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</table>

**Spring Semester**

Prerequisite to PHAR 150 and above is admission into the program.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTH 105</td>
<td>Infection Prevention ...................</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 292</td>
<td>Ethics in Health Care .................</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 150</td>
<td>OTC &amp; Prescription Drugs ..............</td>
<td>4</td>
</tr>
<tr>
<td>PHAR 170</td>
<td>Pharmacy Technology ...................</td>
<td>4</td>
</tr>
<tr>
<td>PHAR 180</td>
<td>Pharmacy Practicum I ..................</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 181</td>
<td>Practicum Seminar I ...................</td>
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</table>

**Summer Session (10 weeks)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search ................</td>
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<td>PHAR 185</td>
<td>Pharmacy Practicum II ..................</td>
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<tr>
<td>PHAR 186</td>
<td>Practicum Seminar II ...................</td>
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</table>

TOTAL ..................................................... 42

**Associate of Applied Science**

**Second Year**

**Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 203</td>
<td>Advanced Pharmacy Lab ................</td>
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</tr>
<tr>
<td>PHAR 221</td>
<td>Pharmacy Internship ...................</td>
<td>1-6</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology ............</td>
<td>3</td>
</tr>
<tr>
<td>CS/BUSC 100</td>
<td>Introduction to Computers ............</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101</td>
<td>Intermediate Algebra ..................</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>English Composition ...................</td>
<td>3</td>
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</table>
**Spring Semester**

- PHAR 222  Pharmacy Internship .................. 1-6
- COMG 236  Small Group Dynamics ................ 3
- BUSO 115  Records System Management .......... 3
- ECON 151  Principles of Economics .............. 3
- CHEM 103/107 Chemistry/Basics Concepts of Chemistry ...... 4

**TOTAL ............................................. 33**

**TOTAL CREDITS FOR AAS DEGREE .......... 75**

---

**Anthropology**

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 two-year community college will allow the student into upper division anthropology work.

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

---

**Associate of Arts Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition ...............</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication ......</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 110</td>
<td>Introduction to Physical Anthropology ....</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 120</td>
<td>Introduction to Social and Cultural Anthropology ..........</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 225</td>
<td>Native People of North America ..........</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 230</td>
<td>Introduction to Archaeology and World Prehistory ..........</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 299</td>
<td>Anthropology Independent Study .......</td>
<td>3</td>
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<td>PHIL 120</td>
<td>Logic and Critical Thinking ..........</td>
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</tr>
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<td></td>
<td>P.E. Activity/Dance ..................</td>
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<td>*Mathematics Elective (MATH 120, MATH 251, or BUSA 251 recommended) ........</td>
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<td>*Computer Science Elective ..........</td>
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<td>*Arts and Humanities Electives .......</td>
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<td>General Electives ...................</td>
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</tr>
</tbody>
</table>

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*Electives can be selected from options listed in the A.A. degree requirements on pages 38-39.

---

**Art**

Transfer Program

The Art Department is structured as a broad introduction to the nature, vocabulary, media, styles, and themes of the visual arts. Students pursuing an art major and transferring credit to a four-year institution may complete all basic art requirements during their attendance at NIC or may pursue an A.A.S. degree in commercial art (Page 56).

In addition, the department of art's curricula program is founded on three major concerns: development of the highest levels of individual artistic awareness and personal aesthetics; the provision of courses for all students in developing cultural understanding and aesthetic appreciation; and the Union Gallery as a center of emphasis and resource for the visual arts in the cultural activities of both NIC and the central Idaho panhandle region.

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

---

**Associate of Arts Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103</td>
<td>Art Appreciation ...................</td>
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<tr>
<td>ART 121</td>
<td>Design and Creative Process I ....</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Art Electives ....................</td>
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<tr>
<td>ENGL 103/104</td>
<td>English Composition ............</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication ......</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking ......</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance ..............</td>
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<tr>
<td></td>
<td>*Laboratory Science Electives ....</td>
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<td>*Mathematics Elective ...........</td>
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<td>*Arts and Humanities Electives ..</td>
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<tr>
<td><strong>TOTAL</strong></td>
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*Electives can be selected from options listed in the A.A. degree requirements on pages 38-39.

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**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103</td>
<td>Art Appreciation ...................</td>
<td>3</td>
</tr>
<tr>
<td>ART 111/112</td>
<td>Drawing I and II ..................</td>
<td>4</td>
</tr>
<tr>
<td>ART 121/122</td>
<td>Design and Creative Process ......</td>
<td>6</td>
</tr>
</tbody>
</table>

*continued...*
**Program Guidelines**

**Auto Body Technology**

**Applied Technology/Occupational Program**

The Auto Body Technology program is a 10-month program designed to prepare the student for entry-level employment as an auto body technician and/or painter.

Each day includes one hour of theory and six hours of in-shop practice. Under the instruction and supervision of a qualified instructor, the student will learn and work in conditions similar to those found in the workplace. Excellent individual instruction can occur because of the small number of students in these classes.

All phases of refinishing, including clear coats; welding, including MIG; body panel repair; estimating; panel and glass replacing; unboby and frame aligning; electrical diagnosing and repair; and many other related subjects are covered in detail. Health and safety are promoted in the shop, along with learning to do quality work.

A general education component consisting of communications, occupational relations, how to get a job, and computational skills (i.e., math for estimates, etc.) is also taught.

**Certificate of Completion**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABRR 151</td>
<td>Body &amp; Fender Theory</td>
<td>2</td>
</tr>
<tr>
<td>ABRR 151L</td>
<td>Body &amp; Fender Lab</td>
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</tr>
<tr>
<td>MATH 097</td>
<td>Computational Skills</td>
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</table>

**Second Semester**

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ABRR 152</td>
<td>Body &amp; Fender Theory</td>
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<td>ABRR 152L</td>
<td>Body &amp; Fender Lab</td>
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<tr>
<td>ENGL 095</td>
<td>Communication Skills</td>
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<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
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</tr>
<tr>
<td>ATEC 110</td>
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**Summer Session**

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</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
Automotive Technician
Applied Technology/Occupational Program

The Automotive Technician program is designed to prepare the student for entry-level employment in the automotive repair industry. Emphasis is placed on acquainting the student with the newest technologies in this field in terms of repair.

Under the supervision of qualified instructors, the student becomes familiar with the various units and assemblies found on the modern automobile. Here, he develops skills in the use and interpretation of the most up-to-date diagnostic equipment available. Each day's activities include classroom components as well as lab components where the student works on mockup units and serviceable automobiles.

Safety is taught and practiced throughout the program, as well as work quality and ethics. A high degree of individual attention is available because of the limited number of students in the program.

Due to the complexity of today's cars, the service manuals used in the industry require a high degree of reading skill and comprehension. Skill-building courses are available in those areas and others, if necessary. Successful completion of each semester is required for admission to the next.

Certificate of Completion

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ATDT 100</td>
<td>Orientation/Safety</td>
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</tr>
<tr>
<td>ATDT 110</td>
<td>Brakes Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>ATDT 120</td>
<td>Powertrain Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>ATDT 130</td>
<td>Gas Engine Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ATDT 105L</td>
<td>Auto/Diesel Lab</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 100</td>
<td>General Shop Practices</td>
<td>1</td>
</tr>
<tr>
<td>AUTO 110</td>
<td>Automotive Brakes</td>
<td>1</td>
</tr>
<tr>
<td>AUTO 120</td>
<td>Alignment Principles</td>
<td>1</td>
</tr>
<tr>
<td>AUTO 115L</td>
<td>Auto Lab</td>
<td>5</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Technical Math</td>
<td>3</td>
</tr>
<tr>
<td>ATEC 119</td>
<td>Occupation Relations/Work Ethics</td>
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Second Semester

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>ATDT 140</td>
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</tr>
<tr>
<td>ATDT 150</td>
<td>Wiring Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>ATDT 160</td>
<td>Tune-Up Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>ATDT 106L</td>
<td>Auto/Diesel Lab</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 125</td>
<td>Steering/Suspension</td>
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<tr>
<td>AUTO 116L</td>
<td>Auto Lab</td>
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</tr>
<tr>
<td>ENGL 099</td>
<td>Fundamentals for Writing</td>
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</tr>
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Summer Session

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Associate of Applied Science Degree

First Year
First Semester

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<tr>
<td>ATDT 100</td>
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<tr>
<td>ATDT 110</td>
<td>Brakes Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>ATDT 120</td>
<td>Powertrain Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ATDT 130</td>
<td>Gas Engine Fundamentals</td>
<td>4</td>
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<tr>
<td>ATDT 105L</td>
<td>Auto/Diesel Lab</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 100</td>
<td>General Shop Practices</td>
<td>1</td>
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<tr>
<td>AUTO 110</td>
<td>Automotive Brakes</td>
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</tr>
<tr>
<td>AUTO 120</td>
<td>Alignment Principles</td>
<td>1</td>
</tr>
<tr>
<td>AUTO 115L</td>
<td>Auto Lab</td>
<td>5</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Technical Math</td>
<td>3</td>
</tr>
<tr>
<td>ATEC 119</td>
<td>Occupation Relations/Work Ethics</td>
<td>2</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATDT 140</td>
<td>Electrical System Fundamentals</td>
<td>6</td>
</tr>
<tr>
<td>ATDT 150</td>
<td>Wiring Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>ATDT 160</td>
<td>Tune-Up Fundamentals</td>
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</tr>
<tr>
<td>ATDT 106L</td>
<td>Auto/Diesel Lab</td>
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<tr>
<td>AUTO 125</td>
<td>Steering/Suspension</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 116L</td>
<td>Auto Lab</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 099</td>
<td>Fundamentals for Writing</td>
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</tr>
<tr>
<td>ATEC 110</td>
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Second Year
First Semester

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<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>AUTO 210</td>
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<tr>
<td>AUTO 220</td>
<td>Advanced Tune-Up</td>
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<tr>
<td>AUTO 230</td>
<td>Carburetors</td>
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</tr>
<tr>
<td>AUTO 240</td>
<td>Emission Controls</td>
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</tr>
<tr>
<td>AUTO 250</td>
<td>Computer Controls</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 215L</td>
<td>Advanced Auto Lab</td>
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</tr>
<tr>
<td>BUSA 100</td>
<td>Intro to Computers</td>
<td>3</td>
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Second Semester

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AUTO 260</td>
<td>Computer Controlled Systems</td>
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</tr>
<tr>
<td>AUTO 270</td>
<td>Transmission/Transaxle</td>
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<tr>
<td>AUTO 280</td>
<td>HVAC</td>
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<tr>
<td>AUTO 216L</td>
<td>Advanced Auto Lab</td>
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<tr>
<td>BUSA 127</td>
<td>Introduction to Business</td>
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<tr>
<td>TOTAL</td>
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</table>
Bacteriology-Medical Technology
Transfer Program

The Bacteriology-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.

Recommended electives are: BIOL 231, General Ecology and ZOOOL 107-108, Human Anatomy and Physiology. Students planning to attend Eastern Washington University should follow the A.A. degree requirements. Students planning to transfer to another university may coordinate their program to meet that institution's requirements.

A cumulative GPA of 2.00 or better for most baccalaureate degrees is required. Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Bacteriology-Medical Technology. Course selection should be tailored to match requirements defined by intended transfer institutions.

Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACT 250</td>
<td>General Microbiology</td>
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</tr>
<tr>
<td>BIOL 201</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 231</td>
<td>General Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BTNY 203</td>
<td>General Botany</td>
<td>4</td>
</tr>
<tr>
<td>BTNY 241</td>
<td>Systematic Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Principles of Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 253</td>
<td>Quantitative Analysis</td>
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<tr>
<td>CHEM 277</td>
<td>Organic Chemistry I</td>
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<td>CHEM 278</td>
<td>Organic Chemistry I Lab</td>
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<td>CHEM 287</td>
<td>Organic Chemistry II</td>
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<td>CHEM 288</td>
<td>Organic Chemistry II Lab</td>
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<td>ENGL 103/104</td>
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<td>MATH 155</td>
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<td>MATH 180</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 113</td>
<td>General Physics I</td>
<td>3</td>
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<tr>
<td>PHYS 115</td>
<td>General Physics I Lab</td>
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<td>PHYS 114</td>
<td>General Physics II</td>
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<td>PHYS 116</td>
<td>General Physics II Lab</td>
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<td>P.E. Activity/Dance</td>
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<tr>
<td>*Arts and Humanities Electives</td>
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<tr>
<td>*Social Science Electives</td>
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<td><strong>TOTAL</strong></td>
<td><strong>70-73</strong></td>
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</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.

Biology, Botany, Zoology
Transfer Program

The biological sciences deal with the basic principles of all living things: structure, function, and ecological associations. An A.S. degree is needed to continue in a variety of fields, such as allied health professions and education, medical school, agriculture and forestry, Environmental Protection Agency, state and national agencies dealing with biology, various industries, as well as consulting agencies.

Recommended electives for this degree are: CHEM 277-278, Organic Chemistry I and lab; CHEM 287-288, Organic Chemistry II and lab; and MATH 160, Survey of Calculus, or MATH 180, Analytical Geometry and Calculus I.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work 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 institutions.

Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
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</tr>
<tr>
<td>BIOL 231</td>
<td>General Ecology</td>
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<tr>
<td>BTNY 203</td>
<td>General Botany</td>
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<td>BTNY 241</td>
<td>Systematic Botany</td>
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<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
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<td>CHEM 112</td>
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</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
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</tr>
<tr>
<td>MATH 155</td>
<td>Precalculus</td>
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<tr>
<td>PHYS 113</td>
<td>General Physics I</td>
<td>3</td>
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<tr>
<td>PHYS 115</td>
<td>General Physics I Lab</td>
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<tr>
<td>PHYS 114</td>
<td>General Physics II</td>
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<tr>
<td>PHYS 116</td>
<td>General Physics II Lab</td>
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<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
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<td>ZOOL 202</td>
<td>General Zoology</td>
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</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
**Business Administration**

Transfer Program

The study of business administration may lead to career opportunities in accounting, economics, information systems, finance, human resources management, marketing, production management, and other business-related fields of study.

For admission to a College of Business and enrollment in 300-level business courses, the typical requirement is completion of a "business core" which usually includes the following five courses: Principles of Accounting, Principles of Economics, and Principles of Statistics.

Students who intend to transfer to the College of Business at the University of Idaho should complete BUSA 121, Introduction to Spreadsheets.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Business Administration. Course selection should be tailored to meet requirements defined by intended transfer institutions.

---

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BUSA 100</td>
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</tr>
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<td>BUSA 201</td>
<td>Principles of Accounting</td>
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<td>BUSA 202</td>
<td>Managerial Accounting</td>
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</tr>
<tr>
<td>BUSA 251</td>
<td>Principles of Statistics</td>
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<tr>
<td>BUSA 265</td>
<td>Business Law</td>
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</tr>
<tr>
<td>ECON 151/152</td>
<td>Principles of Economics</td>
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<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
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<tr>
<td>ENGL 205</td>
<td>Interdisciplinary Writing</td>
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<tr>
<td>MATH 115</td>
<td>Finite Mathematics</td>
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<tr>
<td>MATH 160 or 180</td>
<td>Survey of Calculus or Analytical Geometry and Calculus</td>
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</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
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</tr>
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<tr>
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<tr>
<td>*Laboratory Science Electives</td>
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<tr>
<td>*Social Science Elective</td>
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<tr>
<td>General Elective (students should consider BUSA 117 through BUSA 124)</td>
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</tbody>
</table>

**TOTAL** 66

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*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.

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**Business Education**

Transfer Program

Business education studies at NIC 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 course work 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.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 102</td>
<td>Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>BUSA 185</td>
<td>Business Math</td>
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<tr>
<td>BUSA 201</td>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 202</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 265</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>ECON 151/152</td>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
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<tr>
<td>EDUC 201</td>
<td>Introduction to Teaching</td>
<td>3</td>
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<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
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</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
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</tr>
<tr>
<td>*Arts and Humanities Electives</td>
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<td>*Laboratory Science Electives</td>
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</tr>
<tr>
<td>General Elective (students should consider BUSA 117 through BUSA 124)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** 64

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
**Carpentry**

Applied Technology/Occupational Program

The 10-month Carpentry program is intended to provide students with entry-level skills to better enter the field of construction carpentry. Graduates can expect to understand building blueprints, the use of tools, and understand lumber's various uses.

Various aspects of carpentry connected with residential house building will be taught. Site preparation, forming and placing concrete, trade math, framing methods, rafter construction, stair layout, insulation, flooring, drywall, exterior finish along with 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 tools and must acquire good skills in this area as well as understand all safety aspects of the tools used.

The carpentry program attempts to create actual work situations, emphasizing work ethics, work habits, safety, and oral communication. These skills are necessary for the success of the student in this program. A general education component consisting of communications, occupational relations, how to get a job, managerial skills, and computational skills is also included. Classes involve construction both on and off campus.

**Certificate of Completion**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARP 151</td>
<td>Carpentry Theory</td>
<td>4</td>
</tr>
<tr>
<td>CARP 151L</td>
<td>Carpentry Lab</td>
<td>8</td>
</tr>
<tr>
<td>MATH 097</td>
<td>Computational Skills</td>
<td>1</td>
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</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARP 152</td>
<td>Carpentry Theory</td>
<td>2</td>
</tr>
<tr>
<td>CARP 152L</td>
<td>Carpentry Lab</td>
<td>10</td>
</tr>
<tr>
<td>ENGL 095</td>
<td>Communication Skills</td>
<td>1</td>
</tr>
<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
<td>1</td>
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<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
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</table>

**Summer Session**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CARP 153</td>
<td>Carpentry Theory</td>
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</tr>
<tr>
<td>CARP 153L</td>
<td>Carpentry Lab</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** 32

---

**Chemistry**

Transfer Program

This program is for students interested in pursuing a baccalaureate degree in chemistry. Chemistry is a science that deals with the composition, structure, and properties of substances and their transformations. NIC's small class sizes facilitate student interaction with qualified faculty and excellent laboratories. A solid math and science background is important preparation for a college chemistry program.

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

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 111/112</td>
<td>Principles of Chemistry I and II</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 180</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 190</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 277</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 278</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 287</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 288</td>
<td>Organic Chemistry II Lab</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 220/221</td>
<td>College Physics I and II</td>
<td>7</td>
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<tr>
<td>PHYS 223/224</td>
<td>College Physics I and II Lab</td>
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</tr>
<tr>
<td>MATH 200</td>
<td>Analytic Geometry and Calculus III</td>
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<tr>
<td>MATH 295</td>
<td>Introduction to Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 253</td>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
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<td>2</td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>*Social Science Electives</td>
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<td>6</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>72</td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
**Child Development**

**Transfer Program**

The Child Development program affords career opportunities in early childhood education including teaching at the preschool, Head Start, and child care level. Continued study to the baccalaureate level leads to career options in education (particularly K-3), special education, and other child-related fields.

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

### Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>CHD 105</td>
<td>Individual and Child Development</td>
<td>3</td>
</tr>
<tr>
<td>CHD 234</td>
<td>Infancy and Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CHD 243</td>
<td>Early Childhood Education</td>
<td>2</td>
</tr>
<tr>
<td>CHD 254</td>
<td>Child Management Theory</td>
<td>3</td>
</tr>
<tr>
<td>CHD 298</td>
<td>Practicum: Child Development</td>
<td>6</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>*Computer Science Elective</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>*Social Science Elective</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>*Mathematics Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>*Laboratory Science Elective</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>*Arts and Humanities Elective</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>*Cultural Diversity Elective</td>
<td>3-4</td>
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<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>67-71</strong></td>
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</table>

*Electives may be selected from options listed in the A.A. degree requirements on pages 38-39.

### Associate of Applied Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>CHD 105</td>
<td>Individual and Family Development</td>
<td>3</td>
</tr>
<tr>
<td>CHD 234</td>
<td>Infancy and Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CHD 243</td>
<td>Early Childhood Education</td>
<td>2</td>
</tr>
<tr>
<td>CHD 254</td>
<td>Child Management Theory</td>
<td>3</td>
</tr>
<tr>
<td>CHD 298</td>
<td>Practicum: Child Development</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 220</td>
<td>Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 190</td>
<td>Special Education Lab</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 278</td>
<td>Education of Exceptional Individual</td>
<td>3</td>
</tr>
<tr>
<td>PE 281</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>60</strong></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
Program Guidelines

Commercial Art

Occupational Program

This occupational program prepares its graduates to meet the challenges of the design profession. The curriculum aims to equip its graduates with a diverse and polished portfolio for employment possibilities or transfer to other institutions with similar programs. The broad range of media used to implement creative and aesthetic solutions includes: print advertising, packaging, and the electronic media of TV and computer graphics. This program fulfills the requirements for an A.A.S. degree.

There are no special program entry requirements.

Associate of Applied Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>ART 111/112</td>
<td>Drawing I and II</td>
<td>4</td>
</tr>
<tr>
<td>ART 121/122</td>
<td>Design and Creative Process I and II</td>
<td>6</td>
</tr>
<tr>
<td>ART 200A</td>
<td>Professional Advertising Practices</td>
<td>1</td>
</tr>
<tr>
<td>ART 200B</td>
<td>Professional Advertising Practices</td>
<td>1</td>
</tr>
<tr>
<td>ART 210/211</td>
<td>Illustration I and II</td>
<td>4</td>
</tr>
<tr>
<td>ART 212/213</td>
<td>Illustration III and IV</td>
<td>4</td>
</tr>
<tr>
<td>ART 217/218</td>
<td>Life Drawing I and II</td>
<td>6</td>
</tr>
<tr>
<td>ART 221/222</td>
<td>Graphic Design I and II</td>
<td>6</td>
</tr>
<tr>
<td>ART 231/232</td>
<td>Beginning Painting I and II</td>
<td>6</td>
</tr>
<tr>
<td>ART 243/244</td>
<td>Graphic Design III and IV</td>
<td>6</td>
</tr>
<tr>
<td>ART 253</td>
<td>Lettering</td>
<td>2</td>
</tr>
<tr>
<td>ART 261</td>
<td>Watercolor I</td>
<td>3</td>
</tr>
<tr>
<td>ART 283/284</td>
<td>Portfolio I and II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>PHITO 281</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>65</td>
</tr>
</tbody>
</table>

Communications

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 as a basic understanding of the dynamics of communication.

The department of communication offers program options or emphasis areas in Speech/General Communication, Public Relations, Visual Communication and Journalism. Each program option includes a common core of courses required of all communication majors.

Speech/General Communication

Speech is a communication area that is not limited to public speaking. Speech 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 all these areas of communication.

Public Relations

Utilizing effective communication skills to promote the image of a company or organization is the role of a public relations person. The public relations course of study is one of diversity, where the focus is on understanding communication skills, modern communication media and the essentials of the work place.

Visual Communication

The visual image as communication, especially the photographic image, plays a vital role in contemporary society. The Visual Communication area focuses on the knowledge, skills and abilities needed to create visual images as a form of communication. The course of study offered at NIC gives students the opportunity to explore the role of the visual image in modern mass communication.

Journalism

Focusing on knowledge and essential skills, this course of study prepares students for careers in journalism through options of associate degree transfer programs or the occupational Journalism Technician program. Theoretical training and laboratory workshop methods are combined with practical experience on the NIC newspaper, The Sentinel. See page 69 for details.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Communications.

Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>THTR 101</td>
<td>History of Theatre</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Core Electives:</td>
<td>*Arts and Humanities Elective (Group 2 or ...)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*Cultural Diversity Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>*Social Science Electives (Group 2, 3 &amp; 4)</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>*Mathematics Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>*Computer Science Elective</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>*Laboratory Science Electives</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
<td>2</td>
</tr>
</tbody>
</table>
Speech/General Communication Emphasis Electives:
COMG 101  Interview Techniques ......................... 2
COMG 133  Improved Listening Skills ..................... 1
COMG 134  Non-Verbal Communication .................... 2
COMG 233  Interpersonal Communication .................. 3
COMG 236  Small Group Communication .................... 3
One class from the following list:
COMG 103  Oral Interpretation .............................. 3
COMG 200  Human Potential ................................ 2
COMG 209  Argumentation and Debate ...................... 3

Public Relations Emphasis Electives:
COMG 233  Interpersonal Communication .................. 3
COMG 236  Small Group Communication .................... 3
COMJ 140  Mass Media in a Free Society ................... 3
BUS4 155  Principles of Marketing .......................... 3
PHIL 201  Ethics ........................................... 3

Visual Communication Emphasis Electives:
ART 121/122  Design and the Creative Process I and II ...... 6
COMP 281  Introduction to Photography ...................... 3
COMJ 140  Mass Media in a Free Society ................... 3
One class from the following list:
COMP 283  Intermediate Photography ....................... 3
COMP 289  Photojournalism ................................ 3

Journalism Emphasis Electives:
See page 69 for program guidelines and requirements.

Associate of Science Degree

Associate of Science Core Classes

Course  Title  Credit Hours
ENGL 103/104  English Composition .......................... 6
COMG 131  Introduction to Speech Communication .......... 3
PSYC 100  Introduction to Psychology ....................... 3
THTR 101  Introduction to the Theatre ...................... 3
PHIL 201  Ethics ........................................... 3
Core Electives
• Arts and Humanities Elective ......................... 0-3
• Social Science Elective ................................ 3-6
• Mathematics Elective ................................ 3-4
• Laboratory Science Electives ......................... 8
P.E. Activity/Dance ................................ 2

Speech/General Communication Emphasis Electives:
COMG 101  Interview Techniques ......................... 2
COMG 103  Oral Interpretation .............................. 3
COMG 133  Improved Listening Skills ..................... 1
COMG 134  Non-Verbal Communication .................... 2
COMG 200  Human Potential ................................ 2
COMG 209  Argumentation and Debate ...................... 3
COMG 233  Interpersonal Communication .................. 3
COMG 236  Small Group Communication .................... 3
PSYC 205  Developmental Psychology ..................... 3
ANTH 120  Social/Cultural Anthropology ................... 3

Public Relations Emphasis Electives
COMG 233  Interpersonal Communication .................. 3
COMG 236  Small Group Communication .................... 3
COMJ 121  News Writing ................................... 3
COMJ 140  Mass Media in a Free Society ................... 3
COMJ 204  Editing ......................................... 2
BUS4 120  Introduction to Desktop Publishing .............. 3
BUS4 155  Principles of Marketing .......................... 3
BUS4 157  Fundamentals of Advertising .................... 3
PHIL 201  Ethics ........................................... 3

Optional Coursework (not required for degree)
COMG 101  Interviewing Techniques ....................... 2
COMP 281  Introduction to Photography ..................... 3
COMP 289  Photojournalism ................................ 3

Visual Communications Emphasis Electives
ART 111/112  Drawing I and II .............................. 4
ART 121/122  Design and the Creative Process I and II ...... 6
COMP 281  Introduction to Photography ..................... 3
COMP 283  Intermediate Photography ....................... 3
COMP 289  Photojournalism ................................ 3
COMJ 140  Mass Media in a Free Society ................... 3
CINA 126  Film and International Culture ................... 3

Journalism Emphasis Electives
See page 69 for program description and requirements.
Computer Applications in Business

Applied Technology/Occupational Program

This Associate of Applied Science degree program prepares the student for entry-level employment in the computer business field in such areas as customer service and support, microcomputer applications, office automation management or computer business applications programming. Students who wish to transfer these credits to another institution are advised to consult with their advisor and the catalog of the institution they plan to attend.

Associate of Applied Science Degree

Freshman Level

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 130</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 201</td>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 117</td>
<td>Introduction to DOS</td>
<td>1</td>
</tr>
<tr>
<td>BUSA 133</td>
<td>Introduction to Windows</td>
<td>1</td>
</tr>
<tr>
<td>CSBA 100</td>
<td>Principles of Computer Systems</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 202</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 233</td>
<td>Introduction to COBOL Programming</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 233L</td>
<td>Introduction to COBOL Lab</td>
<td>2</td>
</tr>
<tr>
<td>BUSA 121</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>BUSA 122</td>
<td>Advanced Spreadsheets</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>English Composition</td>
<td>3</td>
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<tr>
<td>or ENGL 202</td>
<td>Technical Writing</td>
<td>(3)</td>
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<tr>
<td>or ENGL 272</td>
<td>Business Writing</td>
<td>(3)</td>
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<tr>
<td>MATH 115</td>
<td>Finite Mathematics</td>
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Sophomore Level

First Semester

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<th>Title</th>
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<tbody>
<tr>
<td>CSBA 111</td>
<td>Microcomputer Applications Database</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 160</td>
<td>Intro to Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 170</td>
<td>Introduction to Systems Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 235</td>
<td>Advanced COBOL Programming</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 235L</td>
<td>Advanced COBOL Lab</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 262</td>
<td>Intro to Network Administration</td>
<td>3</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
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<td>Advanced Network Administration</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 227</td>
<td>Intro to C Programming</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 293</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSBA 293L</td>
<td>Data Base Management Systems Lab</td>
<td>2</td>
</tr>
<tr>
<td>CSBA 294</td>
<td>Systems Development</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
<td>1</td>
</tr>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>68</td>
</tr>
</tbody>
</table>

Computer Science Transfer Program

This program leads to career opportunities in a wide variety of computer science areas: operating systems, expert systems, graphics, databases, software engineering, compilers, numerical analysis, etc.

This program requires a good math background. Students should complete MATH 030, MATH 101, and MATH 155, or their equivalents.

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

Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 180/190</td>
<td>Analytic Geometry and Calculus I and II</td>
<td>8</td>
</tr>
<tr>
<td>MATH 176</td>
<td>Discrete Math</td>
<td>4</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Analytic Geometry and Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 231</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>CS 150</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS 160</td>
<td>Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CS 240</td>
<td>Digital Computer Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CS 250</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 210/212</td>
<td>Engineering Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 221/224</td>
<td>College Physics II</td>
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4 credits selected from the following electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 204</td>
<td>Special Topics</td>
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</tr>
<tr>
<td>CS 191</td>
<td>Programming in C</td>
<td></td>
</tr>
<tr>
<td>CS 270</td>
<td>Computer Organization and Assembly Language</td>
<td></td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td>6</td>
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</tr>
<tr>
<td>*Social Science or Arts and Humanities Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL .............................................. 70

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
Criminal Justice
Transfer Program

This program is recommended for students interested in pursuing a career in the criminal justice field. Positions available to graduates of the program 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 course work 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.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
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</tr>
<tr>
<td>ENGL 272</td>
<td>Business Writing</td>
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<tr>
<td>BUSA 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>LAW 103</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 220</td>
<td>Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC 230</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Principles of Applied Statistics</td>
<td>4</td>
</tr>
<tr>
<td>COMG 101</td>
<td>Interviewing Techniques</td>
<td>2</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 225</td>
<td>National People of North America</td>
<td>3</td>
</tr>
<tr>
<td>PHTO 281</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Fundamentals of Physical Science</td>
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<tr>
<td>PHYS 113</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 115</td>
<td>General Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
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<td></td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
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<td><strong>TOTAL</strong></td>
<td><strong>64</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.

Culinary Arts
Applied Technology/Occupational 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 services, 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 work flow 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 will spend one hour in theory and six hours in kitchen lab per day.

**Certificate of Completion**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CULA 151</td>
<td>Stewardship and Purchasing</td>
<td>4</td>
</tr>
<tr>
<td>CULA 152</td>
<td>Breakfast Cooking and Catering Skills</td>
<td>4</td>
</tr>
<tr>
<td>CULA 153</td>
<td>Prep Station Skills</td>
<td>4</td>
</tr>
<tr>
<td>CULA 154</td>
<td>Pantry Station Skills</td>
<td>4</td>
</tr>
<tr>
<td>CULA 155</td>
<td>Stock, Soup and Sauce Preparation</td>
<td>4</td>
</tr>
<tr>
<td>CULA 156</td>
<td>Line Cook Skills</td>
<td>4</td>
</tr>
<tr>
<td>CULA 157</td>
<td>Grill Cook Skills</td>
<td>4</td>
</tr>
<tr>
<td>CULA 158</td>
<td>Bakery Skills</td>
<td>4</td>
</tr>
<tr>
<td>CULA 159</td>
<td>Grill Cook and Production Manager</td>
<td>4</td>
</tr>
<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
<td>1</td>
</tr>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 095</td>
<td>Communication Skills</td>
<td>1</td>
</tr>
<tr>
<td>MATH 097</td>
<td>Computational Skills</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>40</strong></td>
</tr>
</tbody>
</table>
# Diesel Technology

**Applied Technology Program**

The Diesel Technology program is designed to prepare the student for employment as an entry-level heavy duty mechanic. 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 explanation of the problems involved in the repair and maintenance of engines, transmissions, differentials, brakes, steering, assemblies, suspension, cooling, and fuel and air systems. Also included in the program is a course in heavy duty mechanics welding and cutting using both oxy-acetylene and electric arc.

## Certificate Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATDT 100</td>
<td>Orientation/Safety</td>
<td>1</td>
</tr>
<tr>
<td>ATDT 110</td>
<td>Brakes Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>ATDT 120</td>
<td>Powertrain Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ATDT 130</td>
<td>Gas Engine Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ATDT 105L</td>
<td>Auto/Diesel Lab</td>
<td>5</td>
</tr>
<tr>
<td>DSLT 100</td>
<td>General Shop Practices</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 110</td>
<td>Air Brake Systems</td>
<td>2</td>
</tr>
<tr>
<td>DSLT 120</td>
<td>Clutch/Differential</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 130</td>
<td>Diesel Engine Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 115L</td>
<td>Diesel Lab</td>
<td>4</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Technical Math</td>
<td>3</td>
</tr>
<tr>
<td>ATEC 119</td>
<td>Occupation Relations/Work Ethics</td>
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<td><strong>Total</strong></td>
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</table>

## Associate of Applied Science Degree

### First Year

#### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATDT 100</td>
<td>Orientation/Safety</td>
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</tr>
<tr>
<td>ATDT 110</td>
<td>Brakes Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>ATDT 120</td>
<td>Powertrain Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ATDT 130</td>
<td>Gas Engine Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ATDT 105L</td>
<td>Auto/Diesel Lab</td>
<td>5</td>
</tr>
<tr>
<td>DSLT 100</td>
<td>General Shop Practices</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 110</td>
<td>Air Brake Systems</td>
<td>2</td>
</tr>
<tr>
<td>DSLT 120</td>
<td>Clutch/Differential</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 130</td>
<td>Diesel Engine Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 115L</td>
<td>Diesel Lab</td>
<td>4</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Technical Math</td>
<td>3</td>
</tr>
<tr>
<td>ATEC 119</td>
<td>Occupation Relations/Work Ethics</td>
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#### Second Semester

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<th>Credit Hours</th>
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<tbody>
<tr>
<td>ATDT 140</td>
<td>Electrical System Fundamentals</td>
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<tr>
<td>ATDT 150</td>
<td>Wiring Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>ATDT 160</td>
<td>Tune-Up Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>ATDT 106L</td>
<td>Auto/Diesel Lab</td>
<td>5</td>
</tr>
<tr>
<td>DSLT 170</td>
<td>Engine Components</td>
<td>2</td>
</tr>
<tr>
<td>DSLT 180</td>
<td>Diesel Tune-Up Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 190</td>
<td>Manual Transmission</td>
<td>2</td>
</tr>
<tr>
<td>DSLT 116L</td>
<td>Diesel Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 099</td>
<td>Fundamentals for Writing</td>
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<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
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### Summer Session

<table>
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<tr>
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<tbody>
<tr>
<td>DSLT 195</td>
<td>Specialization Study</td>
<td>1</td>
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<tr>
<td>DSLT 117L</td>
<td>Diesel Specialization Lab</td>
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</table>

**TOTAL** | **61**

### Second Year

#### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSLT 210</td>
<td>Fuel/Induction Systems</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 220</td>
<td>Advanced Tune-Up</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 230</td>
<td>Engine Controls</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 250</td>
<td>Computer Controls</td>
<td>2</td>
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<tr>
<td>DSLT 215L</td>
<td>Advanced Diesel Lab</td>
<td>7</td>
</tr>
<tr>
<td>BUSA 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSLT 260</td>
<td>Undercarriage/Suspension</td>
<td>2</td>
</tr>
<tr>
<td>DSLT 270</td>
<td>Hydraulics</td>
<td>2</td>
</tr>
<tr>
<td>DSLT 280</td>
<td>HVAC</td>
<td>1</td>
</tr>
<tr>
<td>DSLT 216L</td>
<td>Advanced Diesel Lab</td>
<td>7</td>
</tr>
<tr>
<td>BUSA 127</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** | **67**
Drafting Technology
Applied Technology/Occupational Program

The Drafting Technology Program, which results in an Associate of Applied Science degree, is designed to prepare
the student for entry-level employment as a drafting technician. Drafting technicians do working drawings of
buildings, machine parts, or mechanical parts. They work in a variety of environments including engineering offices
and for both large and small industries.

The first year of study gives the individual an understanding
of mechanical drafting through learning to complete working
drawings accurately and neatly. The year begins with an
introduction to drafting and the drafting field, instruction in
the use of various drafting tools, and use of the hand-held
calculator. The student studies basic mathematics, geometry,
and algebra. Computer Aided Drafting (CAD) is presented
each semester; the student develops an awareness of what
drafting tasks are best performed by a microcomputer.

The second year includes an introduction to architectural
casting, gearing, calculation of ratios and speeds, selection
of materials, mathematics (algebra and trigonometry),
physics, computer-aided drafting, and elementary surveying.
Practical engineering problems are presented. Mathematics,
computer-aided drafting, and physics are used to complete
assigned projects. Actual drafting projects from outside the
college are used as available, and some emphasis is placed
on as-built drawings.

Surveying theory includes physical measurement in the
horizontal and vertical plane, computation of areas,
topographical mapping, and road profile layout. Some field
work, along with instrument use, is necessary and instruction
in operation of the level, rod, transit, theodolite, and
electronic distance meter is given.

A general education component is required. It consists
of six credits in communications (three of which are Technical
Writing), six credits in economics, and/or human relations,
and how to get a job. A background in algebra and
graphy is helpful to the student.

Associate of Applied Science Degree
Freshman Level
First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*BUSO 101A</td>
<td>Keyboarding</td>
<td>1</td>
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<tr>
<td>MATH 145</td>
<td>Advanced Technical Math I</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 101</td>
<td>Drafting Theory &amp; Lab</td>
<td>2</td>
</tr>
<tr>
<td>DRFT 109</td>
<td>CAD</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 999 or 103 or 104</td>
<td>English Composition</td>
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Second Semester

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 146</td>
<td>Advanced Technical Math II</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 102</td>
<td>Drafting Theory &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>DRFT 110</td>
<td>CAD</td>
<td>5</td>
</tr>
<tr>
<td>DRFT 174</td>
<td>Descriptive Geometry</td>
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<tr>
<td>DRFT 175</td>
<td>Quality &amp; Cost Control</td>
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<tr>
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</tbody>
</table>

Sophomore Level
First Semester

<table>
<thead>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>DRFT 201</td>
<td>Drafting Theory &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>DRFT 209</td>
<td>CAD</td>
<td>5</td>
</tr>
<tr>
<td>DRFT 235</td>
<td>Physics</td>
<td>2</td>
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<tr>
<td>DRFT 262</td>
<td>Surveying</td>
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</tr>
<tr>
<td>ENGL 202</td>
<td>Technical Writing</td>
<td>3</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRFT 202</td>
<td>Drafting Theory &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>DRFT 210</td>
<td>CAD</td>
<td>4</td>
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<tr>
<td>DRFT 236</td>
<td>Physics</td>
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<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
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</tr>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
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</tr>
<tr>
<td></td>
<td>**General Education Elective</td>
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<tr>
<td>TOTAL</td>
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</tr>
</tbody>
</table>

*Students with typing skills will not be required to complete
BUSO 101A.

**General Education Electives can be selected from the
A.A.S. degree options on page 42.
**Program Guidelines**

**Education**

**Transfer Program**

**Elementary Education**

A general elementary education program will meet the needs of students wishing to pursue teaching at the elementary level. Some areas in which they may wish to specialize are regular and special education, counseling and school psychology, and educational administration.

**Secondary Education**

Because secondary education is not an academic major, students are strongly urged to complete either the A.A. or A.S. degree for the content area in which they wish to teach (i.e., English, math, history, etc.). It is recommended they select complete EDUC 190, Special Education Laboratory; EDUC 201, Introduction to Teaching; and EDUC 275, Education of the Exceptional Individual.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements for Elementary Education. Course selection should be tailored to match requirements defined by the intended transfer institution.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
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<tr>
<td>*Mathematics Elective</td>
<td>3-4</td>
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<tr>
<td>*Laboratory Science Electives</td>
<td>8</td>
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<td>*Social Science Electives</td>
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<td>*Arts and Humanities Electives</td>
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<tr>
<td>General Electives</td>
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<td>(EDUC 190 &amp; 275 recommended)</td>
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<td><strong>TOTAL</strong></td>
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</table>

Electives may be selected from options listed in the A.A. and A.S. degree requirements on pages 38-41.

**Associate of Arts Degree**

<table>
<thead>
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<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 135/136</td>
<td>Mathematics for Elementary School Teachers</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>Introduction to Teaching</td>
<td>3</td>
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<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
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<td>2</td>
</tr>
<tr>
<td>*Laboratory Science Electives</td>
<td>8</td>
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<td>*Cultural Diversity Elective</td>
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<td>General Electives</td>
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<td>(EDUC 190 &amp; 275 recommended)</td>
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<tr>
<td><strong>TOTAL</strong></td>
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</table>

**Electronics Technology**

**Applied Technology/Occupational Program**

This two-year (four semester) program is designed to prepare the student for employment as an entry level electronics technician. Electronics technicians work as computer, field service, engineering and bench technicians.

Classes are in session six hours per day, five days per week. Students will learn the theory, application and troubleshooting of DC and AC electrical components and circuits, semiconductors (including, but not limited to: diodes, transistors, triacs, SCRs, UJTs), integrated circuits (both analog and digital), microprocessor systems and a brief introduction to TV and radio fundamentals.

Skills gained will include: component identification, reading schematics, use of industry standard test equipment (Oscilloscope, Volt/Ohm/Milliammeter, Logic Analyzer, Transistor Curve Tracer) for circuits analysis and troubleshooting, soldering techniques, and use of industry standard documentation (data books and technical literature).

Interested students should possess basic math and reading skills. Completion of the technical course requirements is awarded by certification. The addition of 12 credit hours of applicable general education classes will result in awarding of an A.A.S. degree.
Certificate of Completion
Freshman Level
First Semester

Course                        Title                             Credit Hours
MATH 145                      Advanced Technical Math I              3
ELEC 151                      Electrical Theory                                8
ELEC 151L                     Electrical Laboratory                              4
ENGL 095                      Communication Skills                                 1

Second Semester
MATH 146                      Advanced Technical Math II                        3
ELEC 152                      Electrical Theory                                8
ELEC 152L                     Electrical Laboratory                              4
AITEC 109                     Occupational Relations                              1

Sophomore Level
First Semester
ELEC 253                      Electronics Theory                                  8
ELEC 253L                     Electronics Laboratory                              5

Second Semester
ELEC 254                      Electronics Theory                                  9
ELEC 254L                     Electronics Laboratory                              4
AITEC 110                     Successful Job Search                                1

TOTAL .......................................................... 59

Associate of Applied Science Degree
First Year

Course                        Title                             Credit Hours
MATH 145                      Advanced Technical Math I              3
ELEC 151                      Electrical Theory                                8
ELEC 151L                     Electrical Laboratory                              4

Second Semester
MATH 146                      Advanced Technical Math II                        3
ELEC 152                      Electrical Theory                                8
ELEC 152L                     Electrical Laboratory                              4

Second Year
First Semester
ELEC 253                      Electronics Theory                                  8
ELEC 253L                     Electronics Laboratory                              5
ENGL 202                      Technical Writing                                  3

Second Semester
ELEC 254                      Electronics Theory                                  9
ELEC 254L                     Electronics Laboratory                              4
AITEC 110                     Successful Job Search                                1

TOTAL .......................................................... 69

Engineering
Transfer Program

The program offers the full range of engineering and related courses to satisfy freshman and sophomore requirements for students planning to transfer to institutions offering baccalaureate degrees in engineering or engineering technology. It lays a solid foundation for further studies in civil, mechanical, and electrical engineering, and provides the flexibility needed by students interested in emerging fields like robotics, bio-engineering, geological engineering, mining 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.

These curricula are designed to allow students transferring to the University of Idaho to enter their junior year with essentially the same course work as students who completed their first two years at that school. Curricula can be adjusted to meet similar requirements for other institutions.

These engineering curricula do not lead to an A.S. or A.A. degree from North Idaho College. Anyone wishing a degree should refer to the graduation requirements listed in this catalog on pages 38-41.

Engineering Core
Freshman Level

Course                        Title                             Credit Hours
PHYS 210                      Engineering Physics                           3
PHYS 212                      Engineering Physics Lab                         1
CHEM 111                      Principles of Chemistry                          4
ENGL 103/104                  English Composition                             6
ENGR 101                      Engineering Graphics                             2
CHEM 114                      General Chemistry                               4
ENGR 201                      Electric Circuits I                              4
MATH 180                      Analytic Geometry and Calculus I                     4
MATH 190                      Analytic Geometry and Calculus II                      4
CS 185                        Introduction to Numerical Computing in FORTRAN          3

or
CS 150                        Computer Science I                                4

*Arts and Humanities or
*Social Science Elective           3

TOTAL .......................................................... 36/39

continued...
### Chemical Engineering

**Sophomore Level**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CHEM 277</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHEM 278</td>
<td>Organic Chemistry I Lab</td>
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</tr>
<tr>
<td>ECON 151</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 203</td>
<td>Electrical Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 211</td>
<td>Introduction to Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 287</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 288</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 221</td>
<td>Dynamics of Rigid Bodies</td>
<td>3</td>
</tr>
<tr>
<td>MATH 295</td>
<td>Introduction to Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 221</td>
<td>Engineering Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 224</td>
<td>Engineering Physics II Lab</td>
<td>1</td>
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<td></td>
<td>*Arts and Humanities or Social Science Elective</td>
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</tbody>
</table>

*or *Arts and Humanities Electives or *Social Science Electives... 9

**CS 240** Digital Computer Fundamentals... 4

**TOTAL**... 35

### Mechanical, Agricultural Engineering

**Sophomore Level**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGR 295</td>
<td>Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 203</td>
<td>Electrical Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 211</td>
<td>Introduction to Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 221</td>
<td>Dynamics of Rigid Bodies</td>
<td>3</td>
</tr>
<tr>
<td>ECON 151/152</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 295</td>
<td>Introduction to Ordinary Differential Equations</td>
<td>6</td>
</tr>
<tr>
<td>PHYS 221</td>
<td>College Physics II</td>
<td>4</td>
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<tr>
<td>PHYS 224</td>
<td>College Physics II Lab</td>
<td>1</td>
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<td></td>
<td>*Arts and Humanities or Social Science Elective</td>
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<tr>
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<td><strong>TOTAL</strong></td>
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### Civil Engineering

**Sophomore Level**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGR 295</td>
<td>Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 203</td>
<td>Electrical Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 211</td>
<td>Introduction to Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 214</td>
<td>Surveying</td>
<td>4</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 295</td>
<td>Introduction to Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 221</td>
<td>College Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 224</td>
<td>College Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 221</td>
<td>Dynamics of Rigid Bodies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*Arts and Humanities or Social Science Elective</td>
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<td><strong>TOTAL</strong></td>
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</table>

### Mining, Geological Engineering

**Sophomore Level**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGR 295</td>
<td>Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 203</td>
<td>Electrical Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 211</td>
<td>Introduction to Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 214</td>
<td>Surveying</td>
<td>4</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 295</td>
<td>Introduction to Ordinary Differential Equations</td>
<td>3</td>
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<tr>
<td>PHYS 221</td>
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<td>PHYS 224</td>
<td>College Physics II Lab</td>
<td>1</td>
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<tr>
<td>ENGR 221</td>
<td>Dynamics of Rigid Bodies</td>
<td>3</td>
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<tr>
<td>GEOL 101</td>
<td>Physical Geology</td>
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<td>GEOL 102</td>
<td>Physical Geology Lab</td>
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<td></td>
<td>*Arts and Humanities or Social Science Elective</td>
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</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.A. and A.S. degree requirements on pages 38-41.*
**English**

Transfer Program

Through the study of literature and training in composition, students studying English learn to think logically, to analyze and organize a wide variety of data, and to write and speak clearly, accurately, and convincingly—in a word, to communicate. Mastery of the skills of communication gives students their greatest advantage in continuing their education or in entering the job market. In addition, because students who study literature must deal with writing in a number of genres, from various periods, and containing various ideas, they learn how to become reasonably knowledgeable in areas in which they have had no previous training. In other words, they learn how to keep learning throughout their lives. Students learn how to access specialized materials and how to evaluate and interpret data of various kinds by writing well-documented and convincing analyses. All of these are permanent skills which do not become obsolete with advances in science and technology.

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

### Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>HUMN 101</td>
<td>Montage: Introduction to the Humanities...</td>
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<tr>
<td></td>
<td>One Foreign Language</td>
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<td>P.E. Activity/Dance</td>
<td>2</td>
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<td>*Mathematics Elective</td>
<td>3-4</td>
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<tr>
<td></td>
<td>*Computer Science Elective</td>
<td>2-3</td>
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<td></td>
<td>*Laboratory Science Electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>*Social Science Electives</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>*Arts and Humanities Electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>General Electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>64-69</strong></td>
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</table>

*Electives can be selected from options listed in the A.A. degree requirements on pages 38-39.

Students who plan to earn a bachelor of science degree at a four-year institution may wish to take courses which would lead to an A.S. degree rather than an A.A. degree. Curriculum requirements would be coordinated with the catalog of the transfer institution.

---

**Environmental Health**

Transfer Program

This program is designed for students planning to transfer to an environmental health program at Boise State University. Refer to the BSU Catalog, Dept. of Community and Environmental Health Programs, for guidance during the first two years.

Students must spend 20 hours with environmental health agencies prior to beginning upper division (junior) courses. An internship with public health agencies is also required as part of upper division level students.

### Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BTNY 203</td>
<td>General Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Principles of Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
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</tr>
<tr>
<td>MATH 155</td>
<td>Precalculus</td>
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</tr>
<tr>
<td>PHIL 103</td>
<td>Introduction to Philosophy</td>
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</tr>
<tr>
<td>PHYS 113</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 115</td>
<td>General Physics I Lab</td>
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<tr>
<td>PHYS 114</td>
<td>General Physics II</td>
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<td>PHYS 116</td>
<td>General Physics II Lab</td>
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<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
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</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
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<tr>
<td>ZOOL 202</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
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</tr>
<tr>
<td></td>
<td>*Arts and Humanities Electives</td>
<td>6-9</td>
</tr>
<tr>
<td></td>
<td>*Social Science Electives</td>
<td>6-9</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>66-72</strong></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 38-41.
Foreign Language
Transfer Program

The study of world cultures is an integral part of a well-rounded education. Learning a foreign language provides a sense of shared humanity and offers insight into the human mind, thus helping to develop an understanding of the customs, culture, and literature of other countries, and provides a wealth of material in other languages.

The knowledge of a foreign language is much needed and in demand in various sectors: business and commerce, civil service, law, media, applied sciences, service occupations, tourism, social sciences, and engineering among others. Students wanting to major in a foreign language are urged to complete an Associate of Arts Degree.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of the baccalaureate degree requirements in Foreign Language. Course selections should be tailored to match requirements defined by intended transfer institutions.

**Associate of Arts Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
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</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>*Foreign Language (select one)</td>
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<td></td>
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<tr>
<td>*Mathematics Elective (MATH 251 recommended)</td>
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<tr>
<td>*Computer Science Electives</td>
<td>2-3</td>
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<tr>
<td>*Laboratory Science Electives</td>
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<td></td>
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<tr>
<td>*Social Science Electives</td>
<td>12</td>
<td></td>
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<tr>
<td>*Arts and Humanities Electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>General Electives</td>
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</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>64-66</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.A. degree requirements on pages 38-39.

It is strongly suggested that students majoring in foreign language take courses in at least two foreign languages since many universities require such before issuing a Bachelor of Arts in Foreign Languages.

Forestry/Wildlife/Range/Wildland Recreational Management
Transfer Program

This program provides suggested course work for the first half of baccalaureate degree requirements in natural resource management disciplines such as forestry, wildlife, range, or wildland recreation management. This program will acquaint the student with physical, biological, and social sciences as well as the humanities. This will provide a basis of general education and scientific-professional courses addressing the use of forest and range lands and related resources.

Completion of the following courses results in an associate degree and meets general core requirements in all Idaho public universities. The suggested course work normally fulfills the first half of the baccalaureate degree requirements in Forestry, Wildlife, Fisheries, Range, and Recreation Management. Course selections should be tailored to match requirements defined by intended transfer institutions.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BTNY 203</td>
<td>General Botany</td>
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<tr>
<td>BTNY 241</td>
<td>Systematic Botany</td>
<td>4</td>
</tr>
<tr>
<td>CS 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>Intro to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 111</td>
<td>Principles of Chemistry I</td>
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</tr>
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<td>ECON 151/152</td>
<td>Principles of Economics</td>
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<td>English Composition</td>
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<td>FORS 101</td>
<td>Forestry Orientation</td>
<td>1</td>
</tr>
<tr>
<td>FORS 221</td>
<td>Forest Ecology</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 101</td>
<td>Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Physical Geology Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Survey of Calculus</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 180</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Principles of Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Fundamentals of Physical Science</td>
<td>4</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 202</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>69</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
General Studies
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 course work 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.

Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
<td>2</td>
</tr>
<tr>
<td>*Mathematics Elective</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>*Computer Science Elective</td>
<td></td>
<td>2-3</td>
</tr>
<tr>
<td>*Laboratory Science Electives</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td></td>
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</tr>
<tr>
<td>*Arts and Humanities Electives</td>
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<td>6</td>
</tr>
<tr>
<td>*Cultural Diversity Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td></td>
<td>14-16</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
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</tbody>
</table>

*Electives may be selected from options listed in the A.A. degree requirements on pages 38-39.

Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
<td>2</td>
</tr>
<tr>
<td>*Mathematics Elective</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>*Laboratory Science Electives</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td></td>
<td>6-9</td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td></td>
<td>6-9</td>
</tr>
<tr>
<td>General Electives</td>
<td></td>
<td>26-27</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>64</strong></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.

Geology
Transfer Program

This program is for students interested in pursuing a baccalaureate degree. 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 environments 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 and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Geology. Course selection should be tailored to match requirements defined by intended transfer institutions.

Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 101</td>
<td>Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 102</td>
<td>Physical Geology Lab</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 106</td>
<td>Historical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 107</td>
<td>Historical Geology Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 111/112</td>
<td>Principles of Chemistry I and II</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>CS 105</td>
<td>Introduction to Numerical Computing; with FORTRAN</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 255</td>
<td>Systematic Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Principle of Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 113/115</td>
<td>General Physics I with Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 114/116</td>
<td>General Physics II with Lab</td>
<td>4</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
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<tr>
<td>MATH 180</td>
<td>Analytic Geometry and Calculus</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 100 or 201</td>
<td>Fundamentals of Biology or Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
<td>2</td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Geology Elective</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>73</strong></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
Heating, Ventilation, Refrigeration and Air Conditioning

Applied Technology/Occupational Program

This program is designed to prepare the student for entry-level employment in the field of heating, ventilation, refrigeration, and air conditioning. The program includes one hour of theory and five hours of applied hands-on lab experience each day. Graduates can expect to work in residential units and institutional heating and air conditioning systems, as well as being able to work on smaller systems and units.

Students will begin the program with studies of refrigeration theory, refrigeration cycle, heat transfer, equipment, and accessories. The electrical components studies will include basic electricity, circuitry, symbols, schematics, wiring, and motor controls.

Students will learn advanced electricity, control wiring, and wiring diagrams using domestic refrigerators. Also included is the study of enthalpy charts (Mollier diagrams) as used in the refrigeration/air conditioning industry. Gas, oil, electric furnaces, as well as heat and solar pump heating will also be studied. All types of heating controls and air flow principles are covered as well as psychrometric charts and their uses, load calculations, and duct designs.

The program also includes the study of light commercial and industrial refrigeration and air conditioning systems, types of commercial and industrial refrigeration equipment, commercial ice machines, supermarket refrigeration, and air conditioning system control and installation. Students learn to compute medium and low temperature designs for supermarkets and commercial storage buildings.

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HVAC 151</td>
<td>Domestic Refrigeration &amp; Electrical Theory</td>
<td>1</td>
</tr>
<tr>
<td>HVAC 151L</td>
<td>Domestic Refrigeration &amp; Electrical Lab</td>
<td>5</td>
</tr>
<tr>
<td>HVAC 152</td>
<td>Advanced Refrigeration &amp; Electrical Theory</td>
<td>1</td>
</tr>
<tr>
<td>HVAC 152L</td>
<td>Advanced Refrigeration &amp; Electrical Lab</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 095</td>
<td>Communication Skills</td>
<td>1</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Technical Mathematics</td>
<td>3</td>
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</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HVAC 153</td>
<td>Comfort Heating Theory</td>
<td>1</td>
</tr>
<tr>
<td>HVAC 153L</td>
<td>Comfort Heating Lab</td>
<td>5</td>
</tr>
<tr>
<td>HVAC 154</td>
<td>Advanced Air Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>HVAC 154L</td>
<td>Advanced Air Conditioning Lab</td>
<td>5</td>
</tr>
<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
<td>1</td>
</tr>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>28</strong></td>
</tr>
</tbody>
</table>

History

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 and critical thinking and problem-solving, 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 unsure of his or her career goals.

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

Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Contemporary Math</td>
<td>3</td>
</tr>
<tr>
<td>CS 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101/102</td>
<td>History of Civilization</td>
<td>6</td>
</tr>
<tr>
<td>HIST 111/112</td>
<td>United States History</td>
<td>6</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>*Social Science Electives (other than history)</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>*Lab Science Electives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*History Electives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*Cultural Diversity Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>64</strong></td>
</tr>
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</table>

Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Contemporary Math</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101/102</td>
<td>History of Civilization</td>
<td>6</td>
</tr>
<tr>
<td>HIST 111/112</td>
<td>United States History</td>
<td>6</td>
</tr>
</tbody>
</table>
P.E. Activity/Dance ........................................... 2
Foreign Language.................................................. 5
*Social Science Elective (other than history) ... 6
*Arts and Humanities Electives ...................... 6
*Lab Science Electives ........................................ 8
*History Elective ................................................ 3
General Electives ............................................... 7
TOTAL .............................................................. 64

*University of Idaho B.A. degrees in liberal arts require foreign language proficiency equivalent to two years of college-level study. If you have completed or tested out of this requirement, choose humanities or social science electives instead.

*Electives may be selected from options listed in the A.A. and A.S. degree requirements on pages 38-41.

### Journalism

**Transfer Program**

This program will prepare students for careers in journalism or communications. The focus is on knowledge and skills essential in those areas. Theoretical training and laboratory workshop methods are combined with practical experience on the NIC newspaper, *The Sentinel*.

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

#### Associate of Arts Degree

**Associate of Arts Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American National Government</td>
<td>3</td>
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</tbody>
</table>

**Core Electives:**

*Arts and Humanities Electives ..................... 6
*Cultural Diversity Elective ......................... 3-4
*Social Science Electives (Group 3 & 4) ........... 6
*Mathematics Elective .................................. 3-4
*Computer Science Elective .......................... 2-3

#### Associate of Science Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
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</tr>
</tbody>
</table>

**Core Electives:**

*Arts and Humanities Electives ..................... 3-6
*Social Science Electives ......................... 3-6
*Mathematics Elective .................................. 3-4
*Laboratory Science Electives ..................... 8
P.E. Activity/Dance ........................................... 2

#### Journalism Emphasis Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMG 101</td>
<td>Interview Techniques</td>
<td>2</td>
</tr>
<tr>
<td>COMJ 100</td>
<td>Sentinel Staff</td>
<td>1</td>
</tr>
<tr>
<td>COMJ 121</td>
<td>News Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 140</td>
<td>Mass Media in a Free Society</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 204</td>
<td>Editing</td>
<td>2</td>
</tr>
<tr>
<td>COMJ 222</td>
<td>Reporting</td>
<td>3</td>
</tr>
<tr>
<td>COMP 281</td>
<td>Introduction to Photography</td>
<td>3</td>
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</tbody>
</table>

TOTAL ..............................................................

**Optional Coursework (Not required for degree):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMJ 100</td>
<td>Sentinel Staff</td>
<td>1</td>
</tr>
<tr>
<td>COMJ 298</td>
<td>Journalism Practicum</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Associate of Science Degree**

**Associate of Science Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Core Electives:**

*Arts and Humanities Electives ..................... 3-6
*Social Science Electives ......................... 3-6
*Mathematics Elective .................................. 3-4
*Laboratory Science Electives ..................... 8
P.E. Activity/Dance ........................................... 2

#### Journalism Emphasis Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMG 101</td>
<td>Interview Techniques</td>
<td>2</td>
</tr>
<tr>
<td>COMJ 100</td>
<td>Sentinel Staff</td>
<td>1</td>
</tr>
<tr>
<td>COMJ 121</td>
<td>News Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 140</td>
<td>Mass Media in a Free Society</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 204</td>
<td>Editing</td>
<td>2</td>
</tr>
<tr>
<td>COMJ 222</td>
<td>Reporting</td>
<td>3</td>
</tr>
<tr>
<td>COMP 281</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>COMP 289</td>
<td>Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL ..............................................................

**Optional Coursework (Not required for degree):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMJ 100</td>
<td>Sentinel Staff</td>
<td>2</td>
</tr>
<tr>
<td>COMJ 298</td>
<td>Journalism Practicum</td>
<td>2</td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.A. and A.S. degree requirements on pages 38-41.
Journalism Technician
Occupational Program

The Journalism Technician Program is specifically designed to prepare the student for placement in small daily or weekly newspapers. Graduates from the program may also qualify for positions as advertising, design, and layout employees in nearly all phases of journalism or for positions as public relations personnel. The program instills competence in reporting, photography, editing, and graphics design. It also emphasizes the professional and ethical approaches to journalism.

Students must complete all of the following courses to receive an Associate of Applied Science Degree.

### Associate of Applied Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA/CS 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 100</td>
<td>Sentinel Staff</td>
<td>7</td>
</tr>
<tr>
<td>COMJ 101</td>
<td>Interviewing Techniques</td>
<td>2</td>
</tr>
<tr>
<td>COMJ 121</td>
<td>News Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 140</td>
<td>Mass Media in a Free Society</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 204</td>
<td>Editing</td>
<td>2</td>
</tr>
<tr>
<td>COMJ 222</td>
<td>Reporting</td>
<td>3</td>
</tr>
<tr>
<td>COMJ 298</td>
<td>Journalism Practicum</td>
<td>4</td>
</tr>
<tr>
<td>COMP 281</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>COMP 289</td>
<td>Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 205</td>
<td>Interdisciplinary Writing</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
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</tr>
<tr>
<td>POLS 101</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>POLS 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>63</td>
</tr>
</tbody>
</table>

Law Enforcement
Applied Technology/Occupational Program

This program prepares the student for an entry-level position as a city, county, or state law enforcement officer. Upon completion, the student fulfills the requirements for the A.A.S. degree and is eligible to challenge police officer certification in Idaho and Montana.

Applications for the Sophomore Law Enforcement block may be picked up from T. Leach, Room 239, Hedlund Building, one week after midterms each semester. Application and acceptance into the Sophomore Law Enforcement block is required before enrolling in courses numbered 200 and above. A Hepatitis B vaccination is available at the Sophomore Law Enforcement level for a fee.

This program consists of two semesters of academic courses followed by one block of technical courses and one semester of internship.

### Associate of Applied Science Degree

#### Freshman Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
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<tr>
<td>POLS 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 102</td>
<td>State &amp; Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 230</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech</td>
<td>3</td>
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<tr>
<td>LAW 103</td>
<td>Introduction to Law Enforcement</td>
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</tr>
<tr>
<td>CS 100</td>
<td>Introduction to Computers</td>
<td>3</td>
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<tr>
<td>BUS 100</td>
<td>Introduction to Computers &amp; Programming</td>
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<tr>
<td>PHIL 205</td>
<td>Logic &amp; Critical Thinking</td>
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#### Sophomore Level

##### First Semester

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>LAWE 219</td>
<td>Self Defense</td>
<td>3</td>
</tr>
<tr>
<td>LAWE 220</td>
<td>Basic Police Law</td>
<td>2</td>
</tr>
<tr>
<td>LAWE 221</td>
<td>Professional Orientation</td>
<td>1</td>
</tr>
<tr>
<td>LAWE 222</td>
<td>Police Procedures</td>
<td>2</td>
</tr>
<tr>
<td>LAWE 223</td>
<td>Patrol Procedures</td>
<td>1</td>
</tr>
<tr>
<td>LAWE 224</td>
<td>Practical Problems</td>
<td>1</td>
</tr>
<tr>
<td>LAWE 225</td>
<td>Investigations</td>
<td>3</td>
</tr>
<tr>
<td>LAWE 226</td>
<td>Enforcement Skills</td>
<td>1</td>
</tr>
<tr>
<td>LAWE 227</td>
<td>First Aid for Police</td>
<td>1</td>
</tr>
<tr>
<td>LAWE 228</td>
<td>Police Physical Fitness</td>
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#### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>LAWE 290</td>
<td>Criminal Justice Theory</td>
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<tr>
<td>LAWE 293</td>
<td>Criminal Justice Internship</td>
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TOTAL 60-63
Machining Technology
Applied Technology/Occupational Program

Machining Technology prepares the student for entry-level employment in the machining industry. There are some 250 types of machinists employed in all sections of the country. Good job opportunities exist for the future. The course consists of basic-to-advanced machine training, including computer programming for high tech computer operated machines. Machinists work in manufacturing industries, general repair shops, or machine building industry.

Students will acquire related information necessary to exercise good judgment in carrying out the machining of materials, maintenance of machines, and the assembly of machine parts required of machinists. The program teaches an appreciation for good workmanship and emphasizes safety, correct work habits, and positive work attitudes.

Coursework will include: basic machine tool operations on lathes, milling machines, grinding machine, drill presses, saws, and a computer controlled lathe and milling machine (CNC), along with bench work and the proper use of hand tools. Also included will be machine theory, shop mathematics, blueprint reading, and safety.

A general education component consisting of communications, how to get a job, and computational skills will be integrated into the program. Classes are held six hours a day, five days a week.

This course is offered as either a certificate or an Associate of Applied Science Degree. Additional academic courses listed on page 42 are required for the degree program.

The prospective student should have basic math skills, reading comprehension skills, and mechanical and spatial aptitude.

Certificate of Completion
First Year
First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACH 151</td>
<td>Machining Technology Theory</td>
<td>4</td>
</tr>
<tr>
<td>MACH 1151</td>
<td>Machining Technology Lab</td>
<td>7</td>
</tr>
<tr>
<td>MACH 171</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Technical Math</td>
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Second Semester

<table>
<thead>
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<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MACH 152</td>
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</tr>
<tr>
<td>MACH 152L</td>
<td>Machining Technology Lab</td>
<td>6</td>
</tr>
<tr>
<td>MACH 172</td>
<td>Blueprint Reading</td>
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<tr>
<td>ENGL 095</td>
<td>Communication Skills</td>
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Second Year
First Semester

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MACH 253L</td>
<td>Advanced Machining Lab</td>
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</tr>
<tr>
<td>MACH 273</td>
<td>Advanced Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>MACH 283</td>
<td>Computer Numerical Control Theory</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MACH 254L</td>
<td>Advanced Machining Lab</td>
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</tr>
<tr>
<td>MACH 274</td>
<td>Advanced Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>MACH 284</td>
<td>Computer Numerical Control Theory</td>
<td>4</td>
</tr>
<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
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</tr>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
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TOTAL .................................................. 60

Associate of Applied Science Degree
First Year
First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MACH 151</td>
<td>Machining Technology Theory</td>
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<tr>
<td>MACH 151L</td>
<td>Machining Technology Lab</td>
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</tr>
<tr>
<td>MATH 035</td>
<td>Technical Math</td>
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</tr>
<tr>
<td>MACH 171</td>
<td>Blueprint Reading</td>
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<tr>
<td>Electives</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MACH 152</td>
<td>Machining Technology Theory</td>
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</tr>
<tr>
<td>MACH 152L</td>
<td>Machining Technology Lab</td>
<td>6</td>
</tr>
<tr>
<td>MACH 172</td>
<td>Blueprint Reading</td>
<td>4</td>
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<tr>
<td>Electives</td>
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Second Year
First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACH 254L</td>
<td>Advanced Machining Lab</td>
<td>7</td>
</tr>
<tr>
<td>MACH 274</td>
<td>Advanced Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>MACH 284</td>
<td>Computer Numerical Control Theory</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 202</td>
<td>Technical Writing</td>
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</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACH 254L</td>
<td>Advanced Machining Lab</td>
<td>7</td>
</tr>
<tr>
<td>MACH 274</td>
<td>Advanced Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>MACH 284</td>
<td>Computer Numerical Control Theory</td>
<td>4</td>
</tr>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL .................................................. 71
**Maintenance Mechanic/Millwright**

Applied Technology/Occupational Program

This 11-month program is designed to prepare the student for entry-level employment as an industrial plant maintenance mechanic or millwright. Students will learn the basics of maintenance, fabrication, installation, and alignment of equipment used in modern industrial plants.

Theory classes provide technical information pertaining to welding, hydraulics, electricity, rigging, pipe fitting, mechanical devices/transmissions and conveyance systems, equipment alignment and installation, pumps, and compressors.

The laboratory portion of the program teaches the student to skillfully perform welding and fabrication as well as the maintenance of hydraulic, electro/mechanical systems. Blueprint reading and shop math are taught and used in all areas of training. A general education component consisting of communications, occupational relations, and how to get a job is also taught.

Interested students should possess basic math and reading skills and have a keen interest in mechanics.

**Certificate of Completion**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>MM 151</td>
<td>Maintenance Mechanic Theory</td>
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<tr>
<td>MM 151L</td>
<td>Maintenance Mechanic Lab</td>
<td>6</td>
</tr>
<tr>
<td>MM 155</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
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<td>MATH 035</td>
<td>Technical Math</td>
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**First Semester**

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<thead>
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<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MART 151</td>
<td>Electrical Theory/Four Cycle</td>
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<td>MART 151L</td>
<td>Marine Mechanic Lab</td>
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</table>

**Second Semester**

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>MM 062</td>
<td>Shop Math</td>
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</tr>
<tr>
<td>MM 152</td>
<td>Maintenance Mechanic Theory</td>
<td>3</td>
</tr>
<tr>
<td>MM 152L</td>
<td>Maintenance Mechanic Lab</td>
<td>6</td>
</tr>
<tr>
<td>MM 156</td>
<td>Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 095</td>
<td>Communication Skills</td>
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</tr>
<tr>
<td>ATEC 109</td>
<td>Occupational Relations</td>
<td>1</td>
</tr>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
</tr>
</tbody>
</table>

**Summer Session**

<table>
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<tr>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MM 153</td>
<td>Maintenance Mechanic Theory</td>
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</tr>
<tr>
<td>MM 153L</td>
<td>Maintenance Mechanic Lab</td>
<td>5</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>40</td>
</tr>
</tbody>
</table>

**Marine Mechanics**

Applied Technology/Occupational Program

This program is designed to provide entry-level mechanics for the pleasure boat industry. Students will learn about all phases of mechanical and rigging skills, as well as learning computer inventory skills to enable them to become a competent marine mechanic. This program begins in early August.

**Certificate of Completion**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MART 152</td>
<td>Trim/Fuel &amp; Cooling 4-cycle Systems</td>
<td>2</td>
</tr>
<tr>
<td>MART 152L</td>
<td>Marine Mechanic Lab</td>
<td>6</td>
</tr>
<tr>
<td>MART 153</td>
<td>Gears/Shift Systems (4-cycle)</td>
<td>2</td>
</tr>
<tr>
<td>MART 153L</td>
<td>Marine Mechanic Lab</td>
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</tr>
<tr>
<td>MATH 097</td>
<td>Computational Skills</td>
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**First Semester**

<table>
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<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MART 154</td>
<td>Two-Cycle/50 HP &amp; Smaller</td>
<td>2</td>
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<tr>
<td>MART 154L</td>
<td>Marine Mechanic Lab</td>
<td>6</td>
</tr>
<tr>
<td>MART 155</td>
<td>Two-Cycle/50 HP &amp; Larger</td>
<td>2</td>
</tr>
<tr>
<td>MART 155L</td>
<td>Marine Mechanic Lab</td>
<td>5</td>
</tr>
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<td>ATEC 109</td>
<td>Successful Job Search</td>
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</tr>
<tr>
<td>ATEC 110</td>
<td>Occupational Relations</td>
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<tr>
<td>ENGL 095</td>
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**Second Semester**

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</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
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<td>40</td>
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</tbody>
</table>
Mathematics
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 are also available through the college.

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

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 180, 190, 200</td>
<td>Analytic Geometry and Calculus I, II, and III</td>
<td>11</td>
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<tr>
<td>MATH 176</td>
<td>Discrete Math</td>
<td>4</td>
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<tr>
<td>MATH 231</td>
<td>Linear Algebra</td>
<td>3</td>
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<tr>
<td>MATH 295</td>
<td>Intro to Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
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<tr>
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<td>*Laboratory Science Electives</td>
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<tr>
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<td>(CHEM 111 and 114 recommended)</td>
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<td>*Laboratory Science Electives</td>
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<tr>
<td></td>
<td>(Physics recommended)</td>
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<td></td>
<td>*Computer Science Elective</td>
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<td></td>
<td>*Arts and Humanities Electives</td>
<td>9</td>
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<tr>
<td></td>
<td>*Social Science Electives</td>
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<tr>
<td></td>
<td>TOTAL</td>
<td>65-67</td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.

Music
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 would be helpful. Students interested in scholarships must audition; selection is based on performance and a combination of grades and letters of recommendation.

**Associate of Arts Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100/101</td>
<td>Individual Instruction</td>
<td>4</td>
</tr>
<tr>
<td>MUS 100/101</td>
<td>Individual Instruction: Piano</td>
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</tr>
<tr>
<td>MUS 117</td>
<td>Music Convocations (each semester)</td>
<td>0</td>
</tr>
<tr>
<td>MUS 140</td>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUS 141/142</td>
<td>Harmony and Theory</td>
<td>5</td>
</tr>
<tr>
<td>MUS 141/142</td>
<td>Harmony and Theory Lab</td>
<td>2</td>
</tr>
<tr>
<td>MUS 251</td>
<td>Introduction to Music History</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHI 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
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<td>*Mathematics Elective</td>
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<td>*Arts and Humanities Elective</td>
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<tr>
<td>*Cultural Diversity Elective</td>
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<tr>
<td>Music Performance Electives</td>
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**Associate of Science Degree**

<table>
<thead>
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<tbody>
<tr>
<td>MUS 100/101</td>
<td>Individual Instruction</td>
<td>4</td>
</tr>
<tr>
<td>MUS 100/101</td>
<td>Individual Instruction: Piano</td>
<td>4</td>
</tr>
<tr>
<td>MUS 117</td>
<td>Music Convocations (each semester)</td>
<td>0</td>
</tr>
<tr>
<td>MUS 140</td>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUS 141/142</td>
<td>Harmony and Theory</td>
<td>6</td>
</tr>
<tr>
<td>MUS 141/142</td>
<td>Harmony and Theory Lab</td>
<td>2</td>
</tr>
<tr>
<td>MUS 201/202</td>
<td>Individual Instruction</td>
<td>4</td>
</tr>
<tr>
<td>MUS 241/242</td>
<td>Harmony and Theory III and IV</td>
<td>6</td>
</tr>
</tbody>
</table>

continued...
MUS 241/242 Harmony and Theory III and IV Lab .......... 2
MUS 251 Introduction to Music History .................. 3
ENGL 103/104 English Composition ..................... 6
COMG 131 Introduction to Speech Communication ....... 3
*P.E. Activity/Dance .................................. 2
*Arts and Humanities Electives ......................... 9
*Mathematics Elective .................................. 3
*Social Science Electives ............................... 6
*Laboratory Science Electives ......................... 8
Music Performance Electives ......................... 2
TOTAL ........................................... 73

*Electives may be selected from options listed in the A.A. and A.S. degree requirements on pages 38-41.

Certificate of Completion

Suggested program for students who do not wish to earn an associate degree but want to fulfill music requirements in either Classical Performance or Vocal and/or Instrumental Music Education options. This curriculum is designed for students planning a four-year degree in music. This course sequence does not meet the requirements for any degree from North Idaho College; however, it does meet the requirements for a Certificate of Completion.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100/101</td>
<td>Individual Instruction</td>
<td>4</td>
</tr>
<tr>
<td>MUS 100/101</td>
<td>Individual Instruction: Piano</td>
<td>4</td>
</tr>
<tr>
<td>MUS 117</td>
<td>Music Convocation</td>
<td>0</td>
</tr>
<tr>
<td>MUS 140</td>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUS 141/142</td>
<td>Harmony and Theory I and II</td>
<td>6</td>
</tr>
<tr>
<td>MUS 141/142</td>
<td>Harmony and Theory I and II Lab</td>
<td>2</td>
</tr>
<tr>
<td>MUS 201/202</td>
<td>Individual Instruction</td>
<td>4</td>
</tr>
<tr>
<td>MUS 201/202</td>
<td>Individual Instruction: Piano</td>
<td>4</td>
</tr>
<tr>
<td>MUS 241/242</td>
<td>Harmony and Theory III and IV</td>
<td>6</td>
</tr>
<tr>
<td>MUS 241/242</td>
<td>Harmony and Theory III and IV Lab</td>
<td>2</td>
</tr>
<tr>
<td>MUS 251</td>
<td>Introduction to Music History</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>General Education Electives</td>
<td>13-25</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>60-72</td>
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Nursing: Practical Nursing (PN)

Applied Technology Program

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

A high school diploma or GED completion is required. Prerequisite courses in high school include English, chemistry, and algebra. Equivalent courses in these subjects are also available at North Idaho College.

This program has a selective admission process. Applications are due by March 15 of each year. Refer to the admissions section of this catalog on page 14 for details regarding specific requirements.

Graduates are eligible to take the National Council Licensure Examination P.N.. Students who pass the exam are qualified to practice as licensed practical nurses in the state of Idaho and may apply for licensure in other states without examination.

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. A general education component consisting of communications, successful job search, and computational skills is integrated into the program.

The program is offered in cooperation with Kootenai Medical Center, local extended care facilities, and the State Board for Vocational Education.

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN 101</td>
<td>Practical Nursing Theory</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>PN 101L</td>
<td>Practical Nursing Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PN 105</td>
<td>Communication Skills</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PN 097</td>
<td>Computational Skills</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring Semester</th>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN 102</td>
<td>Practical Nursing Theory</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PN 102L</td>
<td>Practical Nursing Lab</td>
<td>10</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer Session</th>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN 103</td>
<td>Practical Nursing Theory</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>PN 103L</td>
<td>Practical Nursing Lab</td>
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<td></td>
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</table>

TOTAL: 41
Nursing: Registered Nursing (RN) Transfer Program

The nursing program combines general education courses in the liberal arts and sciences with nursing theory and patient care experiences in community hospitals and health agencies. Graduates of the program are eligible to take the National Council Licensure Examination (NCLEX-RN). Upon passing the exam, students are licensed to practice as registered nurses in the State of Idaho and may apply for licensure in other states without examinations.

While students are eligible for the program following graduation from high school or successful completion of the high school level GED tests, acceptance is normally not gained until the college-level general education courses have been completed, i.e., BACT 250, ENGL 103 and 104, PSYC 100, and CHEM 105.

This program has a selective admission process. Applications are due by March 15 of each year. Refer to the admissions section of this catalog on page 14 for details regarding specific requirements. LPNs are eligible for advance placement. They must, however, meet the same criteria and deadlines as other program applicants.

Completion of the following courses does not fulfill all General Education requirements, but does meet the nursing requirements for the A.S. degree. BSN completion programs are available through the Intercollegiate Center for Nursing Education, Boise State University, Eastern Washington University, Gonzaga University, Idaho State University, Washington State University, and Lewis-Clark State College.

Associate of Science Degree

First Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOOL 107</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>NURS 119</td>
<td>Nursing Process</td>
<td>1</td>
</tr>
<tr>
<td>NURS 120</td>
<td>Conceptual Basis of Nursing Lab I</td>
<td>1</td>
</tr>
<tr>
<td>NURS 105</td>
<td>Fundamentals of Nursing I</td>
<td>6</td>
</tr>
</tbody>
</table>

Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOOL 108</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>NURS 121</td>
<td>Conceptual Basis of Nursing Lab II</td>
<td>1</td>
</tr>
<tr>
<td>NURS 106</td>
<td>Management of the Medical-Surgical Patient</td>
<td>8</td>
</tr>
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</table>

Summer Session

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 187</td>
<td>Obstetrical Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 188</td>
<td>Psych Mental Health Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>NURS 205</td>
<td>Nursing Interventions I</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>*Humanities Elective</td>
<td>3</td>
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</tbody>
</table>

Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>NURS 221</td>
<td>Issues of Nursing Practice</td>
<td>1</td>
</tr>
<tr>
<td>NURS 206</td>
<td>Nursing Interventions II</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>*Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
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<td>61</td>
</tr>
<tr>
<td>TOTAL INCLUDING PREREQUISITES</td>
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<td>75</td>
</tr>
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</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.

(Curriculum varies somewhat from the college-wide general education requirements for the Associate of Science Degree because of state and national nursing accreditation standards.)
Office Information Specialist
Occupational Program

This program outlines NIC's required course work for an Associate of Applied Science Degree in the Office Information Specialist Program. It leads to entry-level and mid-management positions in business and career opportunity in management information systems. It also provides an opportunity for small business owners to upgrade their management and computer skills. Obtaining an Associate of Science Degree is possible by adding ENGL 104, eight credits in laboratory science electives, six credits in social science electives, and six credits in arts and humanities electives.

Students must follow this curriculum exactly.

Associate of Applied Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSO 112/113</td>
<td>Speedwriting</td>
<td>6</td>
</tr>
<tr>
<td>BUSO 109/190</td>
<td>Secretarial Field Experience I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>BUSO 273/274</td>
<td>Word Processing</td>
<td>6</td>
</tr>
<tr>
<td>BUSO 295</td>
<td>Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 110/111</td>
<td>Small Business Accounting or</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 201/202</td>
<td>Principles of Accounting</td>
<td>6</td>
</tr>
<tr>
<td>BUSA 117</td>
<td>Introduction to DOS</td>
<td>1</td>
</tr>
<tr>
<td>BUSA 120</td>
<td>Desktop Publishing</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 121/122</td>
<td>Computer Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 123/124</td>
<td>Computer Databases</td>
<td>4</td>
</tr>
<tr>
<td>BUSA 127</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 130</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 185</td>
<td>Business Math</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication or PSYC 100</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>*Interdisciplinary Humanities Elective</td>
<td>3</td>
<td></td>
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<tr>
<td>*Mathematics Elective</td>
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<td>3-4</td>
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<tr>
<td>TOTAL</td>
<td></td>
<td>69-70</td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.A.S. degree requirements on pages 38-41.

Philosophy
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. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Philosophy. Course selection should be tailored to match requirements by intended transfer institutions.

Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>CS 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 103</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 111</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>*Laboratory Science Electives</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>*Mathematics Electives</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
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<td>12</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>66</td>
</tr>
</tbody>
</table>

PHIL 103, 111, and 201 will not satisfy the Arts and Humanities requirement but must be taken in addition to the 12 credits listed.

*Electives can be selected from options listed in the A.A. degree requirements on pages 38-41.
Physics/Astronomy
Transfer Program

This program is for students interested in pursuing a baccalaureate degree in physics. Physics is the science that deals with matter and energy and their interactions in selected fields, like mechanics, acoustics, and electricity, to name a few. NIC's small class sizes facilitate student interaction with qualified faculty and excellent laboratories offer state-of-the-art instrumentation. 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 and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Physics. Course selection should be tailored to match requirements defined by intended transfer institutions.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 180</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 190</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 114</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 201</td>
<td>Electric Circuits I</td>
<td>4</td>
</tr>
<tr>
<td>CS 185</td>
<td>Introduction to Numerical Computing with FORTRAN</td>
<td>3</td>
</tr>
<tr>
<td>or CS 150</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 220/221</td>
<td>College Physics I and II</td>
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</tr>
<tr>
<td>PHYS 223/224</td>
<td>College Physics I and II Lab</td>
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</tr>
<tr>
<td>MATH 200</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 295</td>
<td>Introduction to Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 211</td>
<td>Introduction to Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 221</td>
<td>Dynamics of Rigid Bodies</td>
<td>3</td>
</tr>
<tr>
<td>CS 240</td>
<td>Digital Computer Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communications</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
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<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>74/75</td>
<td></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on page 40-41.

Political Science and Pre-Law
Transfer Program

The Associate of Arts degree program leads to career opportunities in government, teaching, and law (law school). The Associate of Science degree program should be pursued by those students who wish to seek a secondary teaching degree (B.S. degree), e.g., to become a social studies teacher. Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Political Science and Pre-Law. Course selection should be tailored to match requirements defined by intended transfer institutions.

**Associate of Arts Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>POLS 105</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>ECON 151</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101 or 102</td>
<td>History of Civilization</td>
<td>3</td>
</tr>
<tr>
<td>MATH 115</td>
<td>Finite Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>16</td>
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<tr>
<td>*Computer Science Elective</td>
<td>2-3</td>
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</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td>9</td>
<td></td>
</tr>
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<td>*Laboratory Science Electives</td>
<td>8</td>
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<tr>
<td>TOTAL</td>
<td>71-72</td>
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</table>

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Contemporary Math</td>
<td>3</td>
</tr>
<tr>
<td>POLS 105</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American National Government</td>
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<tr>
<td>POLS 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201</td>
<td>Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 292</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>CS 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*Laboratory Science Electives</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td>6</td>
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</tr>
<tr>
<td>General Electives</td>
<td>7</td>
<td></td>
</tr>
<tr>
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<td>65</td>
<td></td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.A. and A.S. degree requirements on pages 38-41.
Pre-Agriculture
Transfer Program

This program is designed for students interested in a broad education with an emphasis on agriculture. Career opportunities may be found in the areas of farm and ranch management, marketing, soil and water management, farm equipment design and manufacturing, food processing, extension program services, and governmental agencies.

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

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACT 250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 231</td>
<td>General Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BTNY 203</td>
<td>General Botany</td>
<td>4</td>
</tr>
<tr>
<td>BTNY 241</td>
<td>Systematic Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Principles of Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>ECON 151/152</td>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 115</td>
<td>Finite Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 202</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td><em>Social Science Elective</em></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><em>Arts and Humanities Electives</em></td>
<td></td>
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</tr>
<tr>
<td>Business Elective (100-level or higher)</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>65</strong></td>
</tr>
</tbody>
</table>

*Electives can be selected from options listed in the A.S. degree requirements on page 40-41.

Pre-Medical Related Fields
Transfer Program

Several options within the pre-medical field are available for students completing this general program option, some of which are as follows:

- Pre-Dental Hygiene
- Pre-Optometry
- Radiologic Technology
- Radiographic Science
- Sports Medicine
- Pre-Medical/Pre-Dental Studies
- Pre-Pharmacy
- Respiratory Therapy
- Speech Pathology and Audiology

Most professional school admission requirements will be satisfied with a baccalaureate degree in biology or chemistry with substantial course work in the other disciplines. Professional schools are extremely competitive. It is very important to contact the pre-professional advisor at the transfer institution of the student's choice.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in the Pre-Medical Related Field options. Course selection should be tailored to match requirements defined by intended transfer institutions.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACT 250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 207</td>
<td>Concepts in Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 114</td>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>*CHEM 277</td>
<td>Organic Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>*CHEM 278</td>
<td>Organic Chemistry II Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>*CHEM 287</td>
<td>Organic Chemistry II</td>
<td>(3)</td>
</tr>
<tr>
<td>*CHEM 288</td>
<td>Organic Chemistry II Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 155</td>
<td>Precalculus</td>
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</tr>
<tr>
<td>MATH 180</td>
<td>Analytic Geometry and Calculus</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 113</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 115</td>
<td>General Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 114</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 116</td>
<td>General Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 107/108</td>
<td>Human Anatomy and Physiology</td>
<td>8</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
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<td>2</td>
</tr>
<tr>
<td><strong>Arts and Humanities Electives</strong></td>
<td></td>
<td>6-9</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>67-70</td>
</tr>
</tbody>
</table>

*See requirements for specific transfer institutions.
**Electives can be selected from options listed in the A.S. degree requirements on pages 40-41.
Pre-Physical Therapy
Transfer Program

This program is designed for students planning to transfer to a major in physical therapy.

Typically, an overall GPA of 2.75 or better, a 3.00 GPA in all prerequisite work (i.e., biology, zoology, chemistry, physics, and psychology for transfer), and 150 hours (minimum) of work/observation under direction of licensed physical therapist is required for entry in physical therapy programs (may vary with transfer institution).

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

Associate of Science Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BACT 250</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 211</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Principles of Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 155</td>
<td>Precalculus</td>
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<tr>
<td>MATH 180</td>
<td>Analytic Geometry and Calculus I</td>
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<td>PHYS 113</td>
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<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>ZCOLE 107/108</td>
<td>Human Anatomy and Physiology</td>
<td>8</td>
</tr>
<tr>
<td>P.F. Activity/Dance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Arts &amp; Humanities Electives</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td>3-6</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL .......................................................... 65-71

*Electives can be selected from options listed in the A.S. degree requirements on pages 38-39.

Pre-Social Work
Transfer Program

This program is for students planning to transfer to a bachelor's degree program in Social Work (BSW). Among the career opportunities in Social Work are social services at federal, state and local levels; health care social work in such agencies as nursing homes, hospitals and outpatient care facilities; mental health facilities; children and youth services; aging services; court services; juvenile detention; family services; pre-placement 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 education core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Social Work. Course selection should be tailored to match requirements defined by the intended transfer institution. Students planning to attend Eastern Washington University should consider the Associate of Arts degree program, while students planning to attend Lewis-Clark State College should pursue the Associate of Science degree program.

Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 115</td>
<td>Finite Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic &amp; Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>CS 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>1</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
<td>1</td>
</tr>
<tr>
<td>SOC 230</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 240</td>
<td>Introduction to Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 241</td>
<td>Social Work Generalist Practice</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech &amp; Communication</td>
<td>1</td>
</tr>
<tr>
<td>P.F. Activity/Dance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Arts &amp; Humanities Electives</td>
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<tr>
<td>*Laboratory Science Electives</td>
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</table>

TOTAL .......................................................... 68-70

* (Intermediate foreign Language strongly recommended - preferably Spanish)

* Electives can be selected from options listed in the A.A. degree requirement on page 38-39.
Recommended General Electives:

<table>
<thead>
<tr>
<th>Course</th>
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<td>Human Biology</td>
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<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 205</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 211</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 223</td>
<td>Stress Management</td>
<td>3</td>
</tr>
<tr>
<td>SOC 155</td>
<td>Drug Abuse</td>
<td>3</td>
</tr>
<tr>
<td>SOC 283</td>
<td>Death and Dying</td>
<td>3</td>
</tr>
</tbody>
</table>

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 175</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 113</td>
<td>Finite Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 240</td>
<td>Introduction to Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 241</td>
<td>Social Work Generalist Practice</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Foreign Language-Intermediate</td>
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<td>Laboratory Science Electives</td>
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<tr>
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<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>64</strong></td>
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</tbody>
</table>

* (Intermediate Foreign Language strongly recommended - preferably Spanish)

*Electives can be selected from options listed in the A.S. degree requirements on pages 40-41.

Pre-Veterinary Medicine

Transfer Program

The states of Idaho and Washington have an agreement which guarantees a certain number of places in the Washington State University School of Veterinary Medicine to qualified Idaho residents. Normally, students must maintain a 3.20 overall grade point average in their academic studies prior to admission to the program. Candidates with the greater depth and breadth of academic background are given preference by WSU.

Either the Graduate Record Examination (GRE) or the Veterinary Aptitude Test (VAT) should be taken in October prior to the year in which the student hopes to enter the WSU School of Veterinary Medicine. While students may enter the program following completion of an associate degree program, acceptance is normally not gained until a baccalaureate program is completed.

Students are to acquire and record at least 300 hours of significant exposure to veterinary medicine while employed or by working on a voluntary basis for a graduate veterinarian. The 300 hours must be completed by November 1 of the application year.

Completion of the following courses results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Pre-Veterinary Medicine. Course selection should match requirements of intended transfer institutions.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201</td>
<td>Introduction to Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Principles of Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 277</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 278</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MATH 115, 155, or 180</td>
<td>Finite Math, Precalculus, or Analytic Geometry and Calculus I</td>
<td>4-5</td>
</tr>
<tr>
<td>PHYS 113</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 115</td>
<td>General Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 114</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 116</td>
<td>General Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 202</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>General Electives</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>65-69</strong></td>
</tr>
</tbody>
</table>

*Electives can be selected from options listed in the A.S. degree requirements on pages 40-41.
Psychology
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 (masters 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 results in an associate degree and meets the general core requirements at all Idaho public universities. The suggested course work normally fulfills the first half of baccalaureate degree requirements in Psychology. Course selection should be tailored to match requirements defined by intended transfer institutions.

Associate of Arts Degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 205</td>
<td>Developmental Psychology</td>
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</tr>
<tr>
<td>PSYC 218</td>
<td>Introduction to Research in the Behavioral Sciences</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>*Mathematics Elective</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>*Computer Science Elective</td>
<td></td>
<td>2-3</td>
</tr>
<tr>
<td>*Laboratory Science Electives</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>*Social Science Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>*Arts and Humanities Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>*Cultural Diversity Elective</td>
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<tr>
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</tbody>
</table>

*Electives can be selected from options listed in the A.A. degree requirements on pages 36-37.

Secretarial Studies
Applied Technology/Occupational Program
The Secretarial Studies Program provides required course work for an Associate of Applied Science Degree in Secretarial Studies. It leads to career opportunities as administrative, legal, and medical secretaries. Students may also transfer to a business education curriculum.

Secretarial Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSO 101A*</td>
<td>Basic Keyboarding</td>
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</tr>
<tr>
<td>BUSO 101B*</td>
<td>Basic Keyboarding</td>
<td>1</td>
</tr>
<tr>
<td>BUSO 115</td>
<td>Records System Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSO 273</td>
<td>Word Processing/Machine Transcription</td>
<td>3</td>
</tr>
<tr>
<td>BUSO 274</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>BUSO 295</td>
<td>Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 110</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 111</td>
<td>Small Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 201**</td>
<td>Principles of Accounting</td>
<td>(3)</td>
</tr>
<tr>
<td>BUSA 185</td>
<td>Business Mathematics</td>
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<tr>
<td></td>
<td>Microcomputer Elective</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
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</tr>
</tbody>
</table>

*A placement examination is required before this course. Additional course requirements are likely to expand the time required to complete the Secretarial program.

**Enrollment in BUSA 201 is intended for students with strong accounting aptitude or mathematical ability who wish to expand their secretarial credit options.

NOTE: BUSA 110, 111, 121, 185, and 201 require mathematical ability. Students with weak mathematical skills may wish to take MATH 020, 030, or 101 before attempting these courses. Consult with your faculty advisor or counselor.

Administrative Secretarial Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUSO 112/113</td>
<td>Speedwriting</td>
<td>6</td>
</tr>
<tr>
<td>BUSO 189</td>
<td>Secretarial Field Experience</td>
<td>4</td>
</tr>
<tr>
<td>BUSO 190</td>
<td>Secretarial Field Experience II</td>
<td>4</td>
</tr>
<tr>
<td>BUSA</td>
<td>Microcomputer Elective</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 117</td>
<td>Introduction to DOS</td>
<td>1</td>
</tr>
<tr>
<td>BUSA 121</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>BUSA 123</td>
<td>Introduction to Databases</td>
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</table>
**Program Guidelines**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BUSA 127</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 130</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>PROGRAM TOTAL</strong></td>
<td></td>
<td><strong>67</strong></td>
</tr>
</tbody>
</table>

*A placement examination is required before this course. Additional course requirements are likely to expand the time required to complete the Secretarial program.

**Legal Secretarial Studies**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103*</td>
<td>English Composition</td>
<td>3</td>
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<td>ENGL 272</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Comm.</td>
<td>3</td>
</tr>
<tr>
<td>BUSO 112/113</td>
<td>Speedwriting</td>
<td>6</td>
</tr>
<tr>
<td>BUSO 191</td>
<td>Legal Field Experience I</td>
<td>4</td>
</tr>
<tr>
<td>BUSO 192</td>
<td>Legal Field Experience II</td>
<td>4</td>
</tr>
<tr>
<td>BUSO 205</td>
<td>Legal Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BUSO 206</td>
<td>Legal Transcription</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 265</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>or POLS 102</td>
<td>State and Local Government</td>
<td>(3)</td>
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<tr>
<td><strong>PROGRAM TOTAL</strong></td>
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</tbody>
</table>

*A placement examination is required before this course. Additional course requirements are likely to expand the time required to complete the Secretarial program.

**Medical Secretarial Studies**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 103*</td>
<td>English Composition</td>
<td>3</td>
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<tr>
<td>ENGL 272</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Comm.</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 100</td>
<td>Fundamentals of Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL 175</td>
<td>Human Biology</td>
<td>(4)</td>
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<tr>
<td>BUSO 107</td>
<td>Medical Terminology/Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>BUSO 108</td>
<td>Medical Terminology/Physiology</td>
<td>2</td>
</tr>
<tr>
<td>BUSO 187</td>
<td>Medical Field Experience I</td>
<td>4</td>
</tr>
<tr>
<td>BUSO 188</td>
<td>Medical Field Experience II</td>
<td>4</td>
</tr>
<tr>
<td>BUSO 209</td>
<td>Medical Transcription</td>
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</tr>
<tr>
<td>BUSO 210</td>
<td>Advanced Medical Transcription</td>
<td>2</td>
</tr>
<tr>
<td>BUSO 294</td>
<td>Medical Office Procedures</td>
<td>1</td>
</tr>
<tr>
<td>PE 208</td>
<td>First Aid</td>
<td>3</td>
</tr>
<tr>
<td>BUSA</td>
<td>Microcomputer Electives</td>
<td>4</td>
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<tr>
<td><strong>PROGRAM TOTAL</strong></td>
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</table>

*A placement examination is required before this course. Additional course requirements are likely to expand the time required to complete the Secretarial program.

**Office Systems Specialist Certificate of Completion**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BUSA 121</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>BUSO 186</td>
<td>OSS Field Experience</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 099*</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 101*</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>or COMG 131</td>
<td>Intro to Speech Comm.</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>38</strong></td>
</tr>
</tbody>
</table>

*A placement examination is required before this course. Additional course requirements are likely to expand the time required to complete the Secretarial program.

**NOTE:** BUSA 110, 111, 121, 105, and 201 require mathematical ability. Students with weak mathematical skills may wish to take Math 020, 030, or 101 before attempting these courses. Consult with your faculty advisor or counselor.
Small Business Management  
Occupational Program  
The Small Business Management Program leads to entry-level and mid-management positions in sales, management, marketing, and retailing and includes required course work for an Associate of Applied Science Degree (A.A.S) in Small Business Management. This course work provides an opportunity for small business owners to upgrade their management skills. A minimum of 60 credits is required for an A.A.S. degree.

Students may transfer to a business administration curriculum with minimal credit loss. Obtaining an Associate of Science Degree (A.S.) is possible by adding ENGL 104, eight credits of laboratory science electives, three to four credits of a mathematics elective, and six credits of arts and humanities electives. A minimum of 64 credits is required for an A.S. degree. See pages 40 and 41 for a list of options to fulfill elective requirements. Students must complete all of the following courses to receive an A.A.S. degree.

Associate of Applied Science Degree  
Course           Title                                      Credit Hours
BUSA 100       Introduction to Computers/Programming       3
BUSA 110/111   Small Business Accounting                 6
or BUSA 201    Principles of Accounting                   3
BUSA 127       Introduction to Business                   3
BUSA 130       Principles of Management                   3
BUSA 155       Principles of Marketing                    3
BUSA 158       Principles of Salesmanship                 3
BUSA 185       Business Mathematics                     3
BUSA 226       Personnel Management                      3
BUSA 257       Small Business Management                  3
BUSA 265       Business Law                               3
ECON 151/152   Principles of Economics                   6
ENGL 103       English Composition                        3
ENGL 272       Business Writing                           3
PSYC 100       Introduction to Psychology                 3
or COMG 200    Human Potential                            3
COMG 131       Introduction to Speech Communication       3
P.E. Activity/Dance                                     2
*Business Elective                                      8
General Electives                                       3-6
TOTAL                                      64

Students must complete BUSA 101 or have satisfactorily completed one year of high school typing. Students who utilize BUSA 201 to meet the accounting course requirement must take an additional three (3) credit elective to meet the 60 credit hours required for an A.A.S. degree.

*Electives may be selected from options listed in the A.A.S. degree requirements on pages 38-39.

Sociology  
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 course work normally fulfills the first half of baccalaureate degree requirements in Sociology. Course selection should be tailored to match requirements defined by intended transfer institutions.

Associate of Arts Degree  
Course           Title                                      Credit Hours
ENGL 103/104    English Composition                      6
COMG 131        Introduction to Speech Communication       3
MATH 120        Contemporary Math                         3
PHIL 120        Logic and Critical Thinking                3
PSYC 100        Introduction to Psychology                 3
PSYC 205        Developmental Psychology                  3
SOC 110         Introduction to Sociology                  3
SOC 220         Marriage and Family                       3
SOC 230         Social Problems                           3
CS 100          Introduction to Computers                  3
PSYC 210        Introduction to Research in the Behavioral Sciences 4
P.E. Activity/Dance                                     2
*Cultural Diversity Elective                            3-4
*Social Science Electives                                9
*Arts and Humanities Electives                          6
*Laboratory Science Electives                            8
TOTAL                                      65-65

*Electives may be selected from options listed in the A.A.A degree requirements on pages 38-39.
Theatre
Transfer Program

This program is designed for students who wish to pursue a professional career in theatre, providing the necessary background in acting, technical theatre, and performance. Students will also gain skills which prepare them for fields outside of the theatre. Theatre emphasizes communication, literary, physical, technical, and business-related skills.

There are no program prerequisites. Previous experience in high school or community theatre programs would, of course, be helpful. Students interested in scholarships must audition, and selection is based on performance and a combination of grades and letters of recommendation. The program requires evenings and some weekends, as well as extensive amounts of reading and speaking.

**Associate of Arts Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 101</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 102</td>
<td>Stage Makeup</td>
<td>2</td>
</tr>
<tr>
<td>THTR 103</td>
<td>Introduction to Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THTR 105/106</td>
<td>Basics of Performance</td>
<td>4</td>
</tr>
<tr>
<td>THTR 163</td>
<td>Basics of Scene Design</td>
<td>2</td>
</tr>
<tr>
<td>THTR 190</td>
<td>Theatre Practice</td>
<td>4</td>
</tr>
<tr>
<td>THTR 263</td>
<td>Technical Production</td>
<td>2</td>
</tr>
<tr>
<td>THTR 271</td>
<td>Play Analysis</td>
<td>2</td>
</tr>
<tr>
<td>THTR 272</td>
<td>Intermediate Acting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 273</td>
<td>Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMG 103</td>
<td>Oral Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 120</td>
<td>Logic and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>P.E. Activity/Dance</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>*Arts and Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*Cultural Diversity Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>*Computer Science Elective</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>*Mathematics Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>*Laboratory Science Electives</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>*Social Science Electives</td>
<td>12</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>76-79</td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.A. degree requirements on pages 38-39.

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 101</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 102</td>
<td>Stage Makeup</td>
<td>2</td>
</tr>
<tr>
<td>THTR 103</td>
<td>Introduction to Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THTR 105/106</td>
<td>Basics of Performance</td>
<td>4</td>
</tr>
<tr>
<td>THTR 163</td>
<td>Basics of Scene Design</td>
<td>2</td>
</tr>
<tr>
<td>THTR 190</td>
<td>Theatre Practice</td>
<td>4</td>
</tr>
<tr>
<td>THTR 263</td>
<td>Technical Production</td>
<td>2</td>
</tr>
<tr>
<td>THTR 271</td>
<td>Play Analysis</td>
<td>2</td>
</tr>
<tr>
<td>THTR 272</td>
<td>Intermediate Acting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 273</td>
<td>Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103/104</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>COMG 131</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>P.E. Activity/Dance</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>*Arts and Humanities Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*Cultural Diversity Elective</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>*Computer Science Elective</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>*Mathematics Elective</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>*Laboratory Science Electives</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>*Social Science Electives</td>
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</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>67-68</td>
</tr>
</tbody>
</table>

*Electives may be selected from options listed in the A.S. degree requirements on pages 40-41.
**Welding Technology**

**Applied Technology Program**

The Welding Technology Program offers the student three options. The one-year Certificate program is nine months in length with an optional four-week summer session. This one-year program is designed to provide entry-level skills for structural steel, fabrication and construction industry.

The second year Certificate program is nine months in length and requires individuals entering it to have successfully completed the first year or pass competency exams to prove the ability to succeed in the program. The second year program is designed to provide entry-level skills for the pipe welding industry.

The third option is for students wishing to obtain an Associate of Applied Science Degree and requires 12 credits of general education courses.

As a final option the Welding Technology Program offers night classes for individuals who desire skill upgrading for industry or welding certification. These courses do not lead to a certificate or degree.

**Certificate of Completion**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 035</td>
<td>Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 097</td>
<td>Computational Skills</td>
<td>(1)</td>
</tr>
<tr>
<td>ATEC 119</td>
<td>Occupational Relations/Work Ethics</td>
<td>2</td>
</tr>
<tr>
<td>WELD 130</td>
<td>Welding Blueprint I</td>
<td>3</td>
</tr>
<tr>
<td>WELD 161</td>
<td>Oxyacetylene Cng/Basic SMAW</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 161L</td>
<td>Oxyacetylene Cng/Basic SMAWLab</td>
<td>4</td>
</tr>
<tr>
<td>WELD 162</td>
<td>Advanced SMAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 162L</td>
<td>Advanced SMAW Lab</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ENGL 095</td>
<td>Communication Skills</td>
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<tr>
<td>or ENGL 099</td>
<td>Fundamentals for Writing</td>
<td>(3)</td>
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<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
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<tr>
<td>WELD 132</td>
<td>Pattern Layout/Parallel Dev.</td>
<td>3</td>
</tr>
<tr>
<td>WELD 163</td>
<td>GMAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 163L</td>
<td>GMAW Lab</td>
<td></td>
</tr>
<tr>
<td>WELD 164</td>
<td>GTAW &amp; OAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 164L</td>
<td>GTAW &amp; OAW Lab</td>
<td>4</td>
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**Summer Session (optional)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>WELD 165</td>
<td>Introduction to Pipe Welding Theory</td>
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<tr>
<td>WELD 165L</td>
<td>Introduction to Pipe Welding Lab</td>
<td>3</td>
</tr>
</tbody>
</table>

**Pipe Welding Certificate of Completion**

(Prerequisite: Successful completion of Basic Certificate Program)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>CS100/USA100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>WELD 235</td>
<td>Blueprint II - Pipe Drawings</td>
<td>2</td>
</tr>
<tr>
<td>WELD 241</td>
<td>Materials Preparation</td>
<td>1</td>
</tr>
<tr>
<td>WELD 242</td>
<td>Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>WELD 265</td>
<td>Pipe Welding I - SMAW Theory</td>
<td>2</td>
</tr>
<tr>
<td>WELD 265L</td>
<td>Pipe Welding I - SMAW Lab</td>
<td>5</td>
</tr>
<tr>
<td>WELD 266</td>
<td>Pipe Welding II - SMAW &amp; GTAW</td>
<td>1</td>
</tr>
<tr>
<td>WELD 266L</td>
<td>Pipe Welding II - SMAW &amp; GTAW Lab</td>
<td>2</td>
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</table>

**Second Semester**

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>WELD 221</td>
<td>Automated Processes</td>
<td>3</td>
</tr>
<tr>
<td>WELD 236</td>
<td>Fabrication Tech-Layout and Fitting</td>
<td>3</td>
</tr>
<tr>
<td>WELD 243</td>
<td>Welding Quality and Inspection</td>
<td>2</td>
</tr>
<tr>
<td>WELD 267</td>
<td>Pipe Welding III - GTAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 267L</td>
<td>Pipe Welding III - GTAW Lab</td>
<td>3</td>
</tr>
<tr>
<td>WELD 268</td>
<td>Pipe Welding IV - Certification Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 268L</td>
<td>Pipe Welding IV - Certification Lab</td>
<td>3</td>
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**TOTAL (with optional session)**: 36

**Associate of Applied Science Degree**

**First Year**

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>ATEC 119</td>
<td>Occupational Relations/Work Ethics</td>
<td>2</td>
</tr>
<tr>
<td>ATEC 130</td>
<td>Introduction to Blueprint Reading</td>
<td>1</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Technical Math</td>
<td>3</td>
</tr>
<tr>
<td>WELD 130</td>
<td>Welding Blueprint I</td>
<td>3</td>
</tr>
<tr>
<td>WELD 161</td>
<td>Oxyacetylene Cng/Basic SMAW</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 161L</td>
<td>Oxyacetylene Cng/Basic SMAWLab</td>
<td>4</td>
</tr>
<tr>
<td>WELD 162</td>
<td>Advanced SMAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 162L</td>
<td>Advanced SMAW Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEC 110</td>
<td>Successful Job Search</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 099</td>
<td>Fundamentals for Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 103</td>
<td>English Composition</td>
<td>(0)</td>
</tr>
<tr>
<td>WELD 132</td>
<td>Pattern Layout/Parallel Dev.</td>
<td>3</td>
</tr>
<tr>
<td>WELD 163</td>
<td>GMAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 163L</td>
<td>GMAW Lab</td>
<td>4</td>
</tr>
<tr>
<td>WELD 164</td>
<td>GTAW &amp; OAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 164L</td>
<td>GTAW &amp; OAW Lab</td>
<td>4</td>
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</table>

**Summer Session (optional)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>WELD 165</td>
<td>Introduction to Pipe Welding Theory</td>
<td>1</td>
</tr>
<tr>
<td>WELD 165L</td>
<td>Introduction to Pipe Welding Lab</td>
<td>3</td>
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</table>

continued...
**Second Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 202</td>
<td>+Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>WELD 225</td>
<td>Blueprint II - Pipe Drawings</td>
<td>2</td>
</tr>
<tr>
<td>WELD 241</td>
<td>Materials Preparation</td>
<td>1</td>
</tr>
<tr>
<td>WELD 242</td>
<td>Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>WELD 265</td>
<td>Pipe Welding I - SMAW Theory</td>
<td>2</td>
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<tr>
<td>WELD 265L</td>
<td>Pipe Welding I - SMAW Lab</td>
<td>5</td>
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<tr>
<td>WELD 266</td>
<td>Pipe Welding II - SMAW &amp; GTAW</td>
<td>1</td>
</tr>
<tr>
<td>WELD 266L</td>
<td>Pipe Welding II - SMAW &amp; GTAW Lab</td>
<td>2</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEC 220</td>
<td>Industrial Safety</td>
<td>2</td>
</tr>
<tr>
<td>CS100/BUA100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>WELD 221</td>
<td>Automated Processes</td>
<td>3</td>
</tr>
<tr>
<td>WELD 236</td>
<td>Fabrication Tech-Layout and Fitting</td>
<td>3</td>
</tr>
<tr>
<td>WELD 243</td>
<td>Welding Quality and Inspection</td>
<td>2</td>
</tr>
<tr>
<td>WELD 267</td>
<td>Pipe Welding III - GTAW Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 267L</td>
<td>Pipe Welding III - GTAW Lab</td>
<td>3</td>
</tr>
<tr>
<td>WELD 268</td>
<td>Pipe Welding IV - Certification Theory</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD 268L</td>
<td>Pipe Welding IV - Certification Lab</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>81</td>
</tr>
</tbody>
</table>

TOTAL (with optional session) .......... 85

* Students may take any math course(s) numbered above 101 to meet the requirements for the degree program.

+ Students may take ENGL 099 or ENGL 103 for 3 of the 6 required credits in Communications. ENGL 202, Technical Writing, is the recommended course for the remaining 3 credits that are needed to fulfill the Communications requirement for the A.A.S. degree, but it is not required.

# Electives may be selected from options listed in the A.A.S. degree requirements on page 42.

**Evening Certificate Program**

Four hours each evening for four nights a week.

Courses offered in the evening are comparable to those offered during the day, but are not as comprehensive. Daytime instruction is 35 hours per week, while night instruction is 16 hours per week.

Students enrolled in this program are not eligible for financial aid or veteran's benefits.
Course Information

Courses numbered 000 to 099 are non-transferable and do not apply toward the Associate of Arts and Associate of Science degrees. They may be required within some Associate of Applied Science degrees.

203 Workshop

Credits arranged.

NIC courses of a short duration conducted by qualified faculty or other authorities in a particular field. Six credits maximum may be applied toward graduation. Prerequisite: permission of the instructor.

204 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.

299 Independent Study

Credits arranged.

Individual study of either reading or project nature. Offered on demand only. Six credits maximum may be applied toward graduation. Consult the Registrar’s Office for Independent Study Guidelines. Enrollment is accepted the first four weeks of each semester or first two weeks of summer session. Prerequisite: Sophomore standing, 3.00 GPA and permission of the instructor.

Allied Health

ALTH 097 Math for Allied Health Workers
1 Credit Offered Fall Semester
(Same as MAT 109)

Instruction in fractions, decimals, percents, ratios and proportions, measurement, and formulas with emphasis on practical application to specific programs.

ALTH 101 Introduction to Allied Health
1 Credit Offered Fall Semester
(Formerly PHAR 100)

This course provides an overview of traditional health care delivery systems and current social, economic, and political influences. It introduces students to health occupation roles and addresses consumer health needs, trends, and issues. This course is required for students planning to enroll in the Pharmacy and Mental Health Technician programs.

ALTH 102 Introduction to Allied Health Lab
1 Credit Offered Fall Semester
(Formerly PHAR 100; same as HSS 102)

This weekly three-hour lab course provides the student an opportunity to explore and develop some skills that may be of interest. It assists the student to develop beginning observation, recording, and reporting skills based on their selected field exploration areas. Students will conduct health care provider interviews and participate in on-the-job shadowing experiences. This is a required course for students interested in applying for the Pharmacy Technician program. All students who have a sincere interest in exploring health care options are welcome. Concurrent enrollment in ALTH 101 is required.

ALTH 105 Infection Prevention
2 Credits Offered Fall Semester
(Formerly MHL 105)

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 for these diseases will also be discussed.

Anthropology

ANTH 110 Introduction to Physical Anthropology
3 Credits Offered Fall Semester

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 the human abilities to live in all of earth’s environments.

An interesting course for students curious about the development of human life on earth and why people appear to differ greatly. Satisfies a social science course requirement for the A.A. and A.S. degrees. Prior completion of other courses is not required.

ANTH 120 Introduction to Social and Cultural Anthropology
3 Credits Offered Each Semester

ANTH 120 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 is desirable for students seeking a broad understanding of how human beings live, and how human customs vary throughout the world. Satisfies a social science course requirement for the A.A. and A.S. degrees. Prior completion of other courses is not required.

continued...
ANTH 225  Native People of North America  
3 Credits  Offered Each Semester  
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 the Native Americans and their relationship with the environment, as well as those students wishing to satisfy the Cultural Diversity requirement for the A.A. degree or three Social Science credits toward an A.S. degree. Prior completion of other courses is not required.

ANTH 230  Introduction to Archaeology and World Prehistory  
3 Credits  Offered Spring Semester  
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. Prior completion of other courses is not required.

ANTH 299  Independent Study: Readings in the History of Anthropology  
3 Credits  Offered Each Semester  
This course is an individual study in which the student completes reading from a list of books relating to the development of modern anthropological thinking. A document based on those readings will be prepared by the student.

This course is intended for anthropology majors wishing to transfer to B.A.-granting institutions. ANTH 110, ANTH 120, ANTH 230, and ENGL 104 must be completed prior to enrollment in this course.

Applied Technology

ATEC 109  Occupational Relations  
1 Credit  Offered Either Semester  
Instruction in practical application of on-the-job interpersonal relations as it applies to you as an employee, supervisor or consumer.

ATEC 110  Successful Job Search  
1 Credit  Offered Either Semester  
This course serves as an introduction to the fundamental techniques necessary to gain entry-level employment. Its underlying assumption is that it is better to teach someone how to find his or her own job, than to find one for that person. Techniques include identifying skills, resumes, interviewing, and conducting a successful job search.

ATEC 119  Occupational Relations/Work Ethics  
2 Credits  Offered Fall Semester  
Instruction in practical application of on-the-job interpersonal relations as it applies to you as an employee, supervisor or consumer. A variety of work ethics topics will be covered that will help employers define you as a "good" employee; such as punctuality, staying on task, being a team player, cleanliness/neatness in the work area, thoroughness, pride in workmanship and flexibility.

ATEC 220  Industrial Safety  
2 Credits  Offered Fall/Spring Semester  
A practical and theoretical hands-on study of how and why accidents occur and how to prevent them. OSHA requirements, Right to Know, Hazard Communication Standard and Material Safety Data Sheets will be covered. Stress management and employee responsibility, attitude, philosophy and commitment in the interest of accident prevention and loss control.

Art

ART 101  Survey of Art I  
3 Credits  Offered Fall Semester  
This course offers an historical overview of the development of Western 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, and 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.

ART 102  Survey of Art II  
3 Credits  Offered Spring Semester  
Survey of Art II offers an 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.

The course creates a higher understanding of the parallels and interconnections of visual art and the societies that made it. It enables students to thoughtfully view creative expression in its communicative function as seen in relation to contemporary society and culture. Satisfies an arts and humanities course requirement for A.A. and A.S. degrees.

ART 212 offers instruction in basic airbrush techniques through simple two-dimensional illustrations. The course ART
ART 103  Art Appreciation  3 Credits  Offered Each Semester

ART 103 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. Prior completion of other courses is not required.

ART 111  Drawing I  2 Credits  Offered Each Semester

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 commercial art 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. Prior completion of other courses is not required.

ART 112  Drawing II  2 Credits  Offered Spring Semester

Drawing II, ART 112, is a continuation of Drawing I, ART 111, with an emphasis on personal artistic expression and imagery. In this course 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 also fundamental for the commercial art program, for transfer programs in fine arts and architecture, and for personal enjoyment. Prior completion of ART 111 is required.

ART 121  Design and the Creative Process I  3 Credits  Offered Fall Semester

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 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. A required course in the commercial art program and for some transfer programs. Prior completion of other courses is not required.

ART 122  Design and the Creative Process II  3 Credits  Offered Spring Semester

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 commercial art program and for some transfer programs. Prior completion of other courses, including ART 121, is not required.

ART 200A  Professional Advertising Practices  1 Credit  Offered Fall Semester

ART 200A offers exploration of the real-life world of the commercial artist. Lecture, textbook study, field trips, and guest lecturers will help provide a working knowledge of pricing and bidding a job, camera ready copy, halftones, duotones, color separations, varnishing, proofs, negatives, paper, ink density, bindery, and other various printing methods.

This course helps prepare the sophomore commercial art student for future employment opportunities. ART 200 is a required course in the commercial art program. Restricted to sophomores only.

ART 200B  Professional Advertising Practices  1 Credit  Offered Spring Semester

ART 200B offers continued exploration of the real-life world of the commercial artist. This course emphasizes employment opportunities in art-related fields, including preparation for employment interviews by incorporating mock interviews and videotaping.

The course helps the graduating commercial art student prepare for employment opportunities. Restricted to sophomores only.

ART 210  Illustration I  2 Credits  Offered Fall Semester

ART 210 offers an introduction to illustration for the commercial artist with emphasis on developing an ability to rapidly visualize and illustrate objects, environment, and people. Skill instruction will include using 1-2-3 point perspective, creating objects out of simple forms, and using shading, shadows, and textures.

This is a required course in the commercial art program. Prior completion of other courses is not necessary.

ART 211  Illustration II  2 Credits  Offered Spring Semester

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.

ART 211 is a required course in the commercial art program. Prior completion of ART 210 is necessary.

continued...
ART 212 Illustration III
2 Credits Offered Fall Semester

Art 212 offers instruction in basic airbrush techniques through simple two-dimensional illustrations. The course emphasizes the creation of strong and effective visual concepts for illustrations needed in various publications.

This course provides important skills for potential illustrators, artists, and designers. It is a required course in the commercial art program. Prior completion of ART 210 and 211 or permission of the instructor is necessary for enrollment.

ART 213 Illustration IV
2 Credits Offered Spring Semester

Illustration IV is a continuation of instruction in general illustration using a wide range of techniques.

This course helps the graduating commercial art student establish a strong portfolio for employment opportunities in illustration. ART 213 is a required course in the commercial art program. Prior completion of ART 210, 211, and 212 or permission of the instructor is necessary for enrollment.

ART 217 Life Drawing I
3 Credits Offered Fall Semester

Life Drawing I offers an exploration of various media to develop an artistic understanding of the human form. Emphasis will include both an anatomical analysis and an 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. This course is a required course in the commercial art program. Prior completion of ART 111 and 112 or permission of the instructor is necessary for enrollment.

ART 218 Life Drawing II
3 Credits Offered Spring Semester

Life Drawing II offers 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 for it best teaches the artist to see. The course equally accommodates the gestural artist and the technical illustrator. It is a required course in the commercial art program. Prior completion of ART 217 or permission of the instructor is necessary for enrollment.

ART 221 Graphic Design I
3 Credits Offered Fall Semester

This course offers instruction in the principles of design, layout, and problem solving as they apply to print communication. Students explore typography, photography, and illustration used in publications to develop concepts with roughs and comprehensives. Students are introduced to computer graphics and work on assigned projects.

This is a required course in the commercial art program. Prior completion of other courses is not necessary.

ART 222 Graphic Design II
3 Credits Offered Spring Semester

This course is a continuation of ART 221. It is designed to give the student more hands-on experiences in developing skills with tools, materials, and professional methods for creating the total graphic concept. The student will learn to incorporate research, illustrations, and graphics necessary to complete the "mechanical," a prerequisite for reproduction. Continued emphasis is placed on computer graphics and assigned projects.

This course is helpful in building visual literacy, expanding conceptual and technical skills and improving creative problem solving. It is a required course in the Commercial Art program. Prior completion of ART 221 or permission of the instructor is required.

ART 231 Beginning Painting I
3 Credits Offered Fall Semester

Beginning Painting I develops competence with oil paint medium through specific assignments designed to emphasize composition and the fundamentals of painting and color. Particular 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. This course is a required course in the commercial art program. Class supplies are to be purchased by the student. Prior completion of other courses is not necessary.

ART 232 Beginning Painting II
3 Credits Offered Spring Semester

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. It is a required course in the commercial art program. Class supplies are to be purchased by the student. Prior completion of other courses, including ART 231, is not necessary.

ART 241 Sculpture I
3 Credits Offered Fall Semester

Sculpture provides an introduction to ideas and materials designed to facilitate the student's response to three-dimensional forms. Emphasis will be 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 commercial art program. Prior completion of other courses is not required.
ART 242  
Sculpture II  
3 Credits  
Offered Spring Semester

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 commercial art program. Prior completion of ART 241 is required.

ART 243  
Graphic Design III  
3 Credits  
Offered Fall Semester

Graphic Design III offers instruction in the use of computer technology for the graphic designer. Students gain hands-on exposure to a variety of computer hardware, including a review of hardware options for creating an electronic design station. This course introduces the student to various computer and software applications (word processing, paint, draw, and page design programs) to design ads, illustrations, and other print communications.

ART 243 develops the creative use of computer technology for graphic design applications. It is a required course in the commercial art program. Prior completion of ART 221 and 222 is necessary for enrollment.

ART 244  
Graphic Design IV  
3 Credits  
Offered Spring Semester

ART 244 offers exploration in the challenges of corporate design. This involves advertising theory and a system of creative strategy development, including market analysis, identifying target market, and creating an advertising plan. Students will create appropriate print ads and packaging decisions necessary to bring a product to the market place.

This course helps to gain a hands-on understanding of the design aspects of advertising and product marketing. It is a required course in the commercial art program. Prior completion of ART 243 is necessary for enrollment.

ART 245  
Intermediate Painting I  
3 Credits  
Offered Fall Semester

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.

Intermediate Painting I promotes an appreciation for the complexity of the medium and the range of possibilities associated with it. Intended for the Intermediate student who has a firm understanding of the properties and fundamentals of this studio discipline, the course is a recommended elective for the commercial art program. Class supplies are to be purchased by the student. Prior completion of ART 231 & 232 is required.

ART 246  
Intermediate Painting II  
3 Credits  
Offered Spring Semester

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 commercial art program. Prior completion of ART 245 is required.

ART 251  
Printmaking I  
3 Credits  
Offered Fall Semester

Printmaking explores the relief printing processes of wood and lino blocks, silkscreen methods, and handmade paper processes. Emphasis is on methods, techniques, exploration of materials, and individual development. An additional focus will be on the historic influence and importance of each media and its relationship to other artistic expressions.

ART 251 is a recommended elective for the commercial art program. Prior completion of other courses is not required.

ART 252  
Printmaking II  
3 Credits  
Offered Spring Semester

Printmaking II provides an introduction to engraving, collagraphic, and mixed media processes. Emphasis is on exploration of materials, methods, and creative expression. Additional focus will be on the historical influence and importance of each media and its relationship to other artistic expressions.

ART 252 is a recommended elective for the commercial art program. Prior completion of other courses is not required.

ART 253  
Letterform Design  
2 Credits  
Offered Fall Semester

ART 253 offers instruction in basic 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 commercial art and illustration fields.

Letterform Design provides a fundamental knowledge of hand lettering. This is a required course in the commercial art program. Prior completion of other courses is not necessary.

ART 261  
Ceramics I  
3 Credits  
Offered Both Semesters

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 of the creative potential of clay.

This course helps develop sensitivity of design and aesthetics for the clay objects we use 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 commercial art program and a fundamental course for transfer art majors or minors. Prior completion of other courses is not required.

continued...
**COURSE DESCRIPTIONS**

**ART 262**  
Ceramics II  
3 Credits  
Offered Both Semesters  
ART 262 is a continuation of Ceramics I. 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 commercial art program. Prior completion of ART 261 is required. The course may be repeated for a total of 12 credits.

**ART 281**  
Watercolor I  
3 Credits  
Offered Fall Semester  
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, exploration, exposure to materials, and technical approaches. Individual instruction and group critiques are utilized. ART 281 helps to develop an appreciation for complexities and the potential for creative expression. Class supplies are to be purchased by the student. Prior completion of other courses is not required.

**ART 282**  
Watercolor II  
3 Credits  
Offered Spring Semester  
ART 282 offers additional instruction in watercolor designed to increase student awareness, knowledge, and understanding of the potential of the medium. 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. Prior completion of other courses is not required.

**ART 283**  
Portfolio I  
2 Credits  
Offered Fall Semester  
Portfolio I is an intensive course designed to assist committed, self-motivated students in preparing a portfolio that effectively communicates their abilities. Portfolios are assessed for their strengths and weaknesses, and appropriate presentational methods are recommended. This course helps art students with the important development of an individualized and professionally competitive portfolio. Required course in the commercial art program. Restricted to sophomores.

**ART 284**  
Portfolio II  
2 Credits  
Offered Spring Semester  
ART 284 is a continuation of ART 283. This is a required course in the commercial art program. Restricted to sophomores.

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**Auto Body Technology**

Note: Course enrollment requires prior acceptance into the Auto Body Technology Program.

**ABRR 151**  
Auto Body Technology Theory I  
2 Credits  
Offered Fall Semester  
Auto Body Technology Theory I offers classroom instruction in all phases of automobile refinishing including base coat and clear coat systems, oxy-acetylene and gas metal arc welding, and basic body panel repair. Health and safety rules are also taught.

**ABRR 151L**  
Auto Body Technology Lab I  
10 Credits  
Offered Fall Semester  
This lab features hands-on shop experience in all phases of auto refinishing, oxy-acetylene and gas metal arc welding, and basic body panel repair techniques. Mock-up vehicles as well as actual customer work will be experienced. Health and safety practices are promoted.

**ABRR 152**  
Auto Body Technology Theory II  
2 Credits  
Offered Spring Semester  
Auto Body Technology Theory II presents classroom instruction in fiberglass and plastic parts repair, automobile construction and panel identification, estimating, hardware and fastener identification, body panel replacement, uni-body and frame alignment, steering and suspension components, glass replacement, cooling and air-conditioning components, and electrical systems.

**ABRR 152L**  
Auto Body Technology Lab II  
10 Credits  
Offered Spring Semester  
This lab offers hands-on shop experience in fiberglass and plastic parts, repair, estimating, replacements of hardware and body panels, alignment of uni-body vehicles and frames, replacement and steering and suspension parts, replacement of auto glass, restoring cooling and air conditioning systems, and diagnosing and repairing electrical problems. Health and safety practices along with quality work is promoted.

**ABRR 153**  
Auto Body Technology Theory III  
1 Credit  
Offered Summer Session  
ABRR 153 presents instruction in wreck rebuilding and meeting production shop schedules.

**ABRR 153L**  
Auto Body Technology Lab III  
2 Credits  
Offered Summer Session  
This course provides hands-on shop experience in wreck rebuilding and meeting production shop time schedules. Quality work is promoted.
Auto/Diesel Technology

NOTE: Course enrollment requires prior acceptance into either the Automotive Technology program or the Diesel Technology program.

ATDT 100 Orientation/Safety
1 Credit
Offered Fall Semester

This course will introduce the student to several student services on campus such as Student Health Services, the Library and the Learning Center. Students will also be given instruction about the industry including wages, job opportunities and the nature of the work. The course will also teach students how to study successfully including study habits, test taking and logic and critical thinking skills. About half of the course will be devoted to safety and hazardous materials issues as they relate to working safely in the shop. The course will be taught using lectures, guest speakers, tours and demonstrations.

ATDT 105L Auto/Diesel Lab
3 Credits
Offered Fall Semester

This course will give students hands-on exposure in a shop setting to those subjects covered in ATDT 100, 110, 120 and 130 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, or using tools or equipment, or handling asbestos-containing materials.

ATDT 106L Auto/Diesel Lab
3 Credits
Offered Spring Semester

This course will give students hands-on exposure in a shop setting to those subjects covered in ATDT 140, 150 and 160 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, or using tools or equipment, or handling asbestos-containing materials.

ATDT 110 Brakes Fundamentals
1 Credit
Offered Fall Semester

At the completion of this course the student will understand the basic principles of hydraulics and friction as well as be familiar with general drum and disc brake construction and operation. The student will be able to use pressure bleeding systems and will have some, though limited, exposure to brake lathes.

ATDT 120 PowerTrain Fundamentals
4 Credits
Offered Fall Semester

This course will teach students the operation, construction and repair of clutch systems, drive lines and universal joints, differential repair and adjustment as well as the construction, service and repair of axles and their related bearings and seals.

ATDT 130 Gas Engine Fundamentals
4 Credits
Offered Fall Semester

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.

ATDT 140 Electrical System Fundamentals
6 Credits
Offered Spring Semester

This course will cover basic electrical theory, including types of circuits and components, as well as batteries, starters, and charging systems. Basic troubleshooting procedures and test equipment will also be covered.

ATDT 150 Wiring Fundamentals
2 Credits
Offered Spring Semester

This course will cover wiring schematics and diagrams, along with how 25 of the most common systems are wired on cars.

ATDT 160 Tune-Up Fundamentals
2 Credits
Offered Spring Semester

This course will cover basic ignition systems, basic combustion theory, and general tune-up procedures such as setting timing, adjusting mixture screws and setting idle speed.

Automotive Technician

Note: Course enrollment requires prior acceptance into the Automotive Technician Program.

AUTO 100 General Shop Practice
1 Credit
Offered Fall Semester

This course will give the student instruction in a variety of shop practices and minor repairs. These will include drilling and tapping holes, cutting threads, drilling out broken bolts, installing Heli-colls, creating double flares on tubing, and soldering, as well as proper care of floors and equipment.

AUTO 110 Automotive Brakes
1 Credit
Offered Fall Semester

This course will give the automotive student specialized instruction on automotive and light truck disc and drum brake systems, brake boosters, as well as metering, proportioning and combination valves.

AUTO 115L Auto Lab
4 Credits
Offered Fall Semester

This course will give the students hands-on exposure in a shop setting to those subjects covered in ATDT 120 and 130 as well as AUTO 100, 110, 120 theory classes. The instruction will utilize a variety of mock-ups, training aids, continued...
components and live work. The student will be able to explain and demonstrate proper safety precautions when lifting and supporting a vehicle, or using tools or equipment, or handling asbestos-containing materials.

**AUTO 116L**  
3 Credits  
**Auto Lab**  
Offered Spring Semester

This course will give the students hands-on exposure in a shop setting to those subjects covered in ATDT 160 and AUTO 125 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, or using tools or equipment, or handling asbestos-containing materials.

**AUTO 117L**  
2 Credits  
**Auto Lab**  
Offered Summer Session

This course will give the student additional exposure to lab experiences related to the area of special interest selected by the student in AUTO 195. It may consist of work with mock-ups, components, live work, or in some cases School to Work arrangements with local shops. Prior successful completion of the first year of the Automotive A.A.S. program is required, or instructor permission.

**AUTO 120**  
1 Credit  
**Alignment Principles**  
Offered Fall Semester

This course will introduce basic steering and suspension components, and give in-depth instruction in various measurements that make up the steering geometry of a vehicle. The course will consist of both lecture and demonstration using the Hunter D-111 computerized four wheel alignment machine.

**AUTO 125**  
2 Credits  
**Steering/Suspension**  
Offered Spring Semester

Students will learn the various types of steering and suspension systems used on today’s cars and light trucks, as well as how to diagnose, service, remove and replace various components. Students will also learn how the various components work together to control the steering geometry angles.

**AUTO 195**  
1 Credit  
**Specialization Study**  
Offered Summer Session

Students will select an area of special interest in which they wish to pursue additional study. The instructor will assist the student by providing instruction through one or more of the following: classroom instruction, videos, slides, library research projects or short field trips. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

**AUTO 210**  
2 Credits  
**Advanced Electrical**  
Offered Fall Semester

Students will be exposed to a variety of accessory electrical circuits, such as windshield wipers, power windows, door locks, seats, and cruise control systems as well as more in-depth instruction into troubleshooting procedures and theories.

**AUTO 215L**  
3 Credits  
**Advanced Auto Lab**  
Offered Fall Semester

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." Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

**AUTO 220**  
2 Credits  
**Advanced Tune-Up**  
Offered Fall Semester

Students will learn more about various ignition systems used on today’s cars including Hall Effect and distributorless ignition systems. Students will learn to use electronic engine analyzers, as well as reading scope patterns. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

**AUTO 230**  
2 Credits  
**Carburetors**  
Offered Fall Semester

Students will learn about the various circuits in carburetors and how they relate to drivability of the vehicle. Instruction will be given in overhaul, adjustment, and various repair procedures. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

**AUTO 240**  
2 Credits  
**Emission Controls**  
Offered Fall Semester

Students will learn about how automobile emissions contribute to air pollution and the current methods of controlling these emissions. Various systems, testing and servicing will be covered. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

**AUTO 250**  
2 Credits  
**Computer Controls**  
Offered Fall Semester

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. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

**AUTO 260**  
4 Credits  
**Computer Controlled Systems**  
Offered Spring Semester

Students will receive instruction on various systems on the automobile that are computer controlled such as fuel injection and anti-lock brakes, as well as some introduction to digital dash, keyless entry and active suspension systems. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.
AUTO 270 Trans/Transaxle
4 Credits Offered Spring Semester

This course will cover the general theory of manual and automatic transmission and transaxle operation. Students will learn appropriate testing, disassembly and repair procedures. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

AUTO 280 HVAC
2 Credits Offered Spring Semester

Students will receive instruction in heating and air conditioning theory, as well as the use of equipment related to the evaporating, recycling, and recharging of air conditioning systems. The course will cover both R-12 and R-134a refrigerant handling. Prior successful completion of the first year of the Automotive A.A.S. degree program is required, or instructor permission.

Bacteriology

BACT 250 General Microbiology/Bacteriology
4 Credits Offered Each Semester

Introductory survey of microorganisms. Emphasis will be on bacteria as examples of all microorganisms, 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. BACT 250 satisfies a laboratory science course requirement for the A.S. degree. The course includes classroom lectures and separate lab sessions. Previous completion of other courses is not required. However, completion of BIOL 100 or BIOL 201 and CHEM 103 or CHEM 107 is recommended.

Biology

BIOL 100 Fundamentals of Biology
4 Credits Offered Each Semester

This introductory course provides a general overview of evolution, the five kingdoms, ecology, 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 201, and upon completion of BIOL 100, BIOL 201 cannot be taken for credit. This course may not be accepted as fulfilling biology course requirements by some medical programs. It includes classroom lectures and separate lab sessions. The course satisfies a laboratory science course requirement for the A.S. and A.A. degrees. Prior completion of other courses is not required.

BIOL 111 Living with the Environment
3 Credits Offered Fall Semester

This course is a study of the environment that includes population dynamics, ecological principles, use and misuse of resources, worldwide environmental problems, and man in relation to land, air, and water resources.

Living with the Environment helps enhance an understanding of current environmental issues and the application of environmental principles to everyday decisions. This course does not include a lab experience, but satisfies a science course requirement for the A.S. degree. Prior completion of other courses is not required.

BIOL 175 Human Biology
4 Credits Offered Fall Semester

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. It is not intended to be a preparation or alternative for Zoology 107 and 108, Human Anatomy and Physiology. Upon completion of Zoology 107 and 108, students cannot take BIOL 175 for credit. Upon completion of BIOL 175, a student must petition the Division of Natural Sciences for permission to take Zoology 107 and 108.Credits may be restricted depending upon the student's educational objectives. 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 the class. BIOL 175 includes three hours of lecture and three hours of lab per week. This course satisfies laboratory science course requirements for the A.S., A.A. and A.A.S. degrees. Prior completion of other courses is not required.

BIOL 201 Introduction to Life Sciences
4 Credits Offered Each Semester

BIOL 201 is an introduction to the fundamental principles which govern living organisms, including molecular biology, cell biology, homeostasis, reproduction, genetics, and evolution.

The course provides an important foundation for more advanced coursework in the life sciences and medical related programs. Introduction to Life Sciences includes classroom lectures and separate lab sessions. The course cannot be taken for credit after completion of BIOL 100. It satisfies a laboratory science course requirement for the A.S. and A.A. degrees. Prior completion of one year of high school biology and chemistry is recommended.

BIOL 207 Concepts in Human Nutrition
3 Credits Offered Each Semester

BIOL 207 offers instruction in basic nutrition concepts, current nutritional controversies, and in food selection for individual needs. Topics covered will 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 continued...
examine through a self-evaluation of personal diet studies. Concepts in Human Nutrition provides important basic knowledge in making personal dietary decisions. This course satisfies a science course requirement for the A.S. degree. Prior completion of other courses is not required.

BIOL 231 General Ecology (Same as FORS 221) 4 Credits Offered Spring Semester

This introductory course shows the relationships between the living and non-living components of the environment. The course 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 and botany disciplines. This is not an environmental science course. Permission of the instructor or prior completion of BIOL 100 or 201 is required. The course includes one 3-hour lab per week.

BIOL 299 Independent Study Credits arranged Offered Each Semester

BIOL 299 is individual study culminating in a project or product that will become property of the Division of Life Sciences. Individual study will be based on a mutual agreement between the student and instructor and must be outlined on a form available from the Registrar.

Individual study allows for an in-depth study of areas of biology that are of personal interest. Prior completion of 26 college credits with a 3.00 GPA is required, in addition to the approval of the instructor, the division chair, and the Dean of Academic Affairs. A maximum of three credits is allowed per semester and only six credits can apply toward graduation requirements.

Independent study cannot be used to fulfill associate degree core requirements.

Botany

BTNY 203 General Botany 4 Credits Offered Spring Semester

BOT 203 is an introduction to the plant kingdom starting with the bluegreen algae and cyanobacteria and progressing in an evolutionary fashion up through the gymnosperms and angiosperms. Where 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 who are interested in the plant kingdom. It satisfies a laboratory science course requirement for the A.S. degree. The course includes classroom lectures and separate lab sessions. Prior completion of BIOL 100 or 201 is preferred but not required.

BTNY 241 Systematic Botany 4 Credits Offered Spring Semester

BOT 241 offers instruction in plant identification focusing on local gymnosperms and spring angiosperms using a recognized botanical key. The course includes field trips and plant collection.

Systematic Botany is designed for individuals pursuing a degree in biology, botany, or forestry, and for those with an interest in the identification of local plants. The course includes classroom lectures and separate lab sessions. It satisfies a laboratory science course requirement for the A.S. degree. Prior completion of BIOL 100 or 201 may be beneficial but is not required.

Business Administration

BUSA 080 Survey of Microcomputers 1 Credit Offered Either Semester

For the first-time user of IBM and PC compatible microcomputers, this hands-on course introduces basic operating skills, identification of hardware components, computer purchasing guidelines, file management, and an exposure to software packages, such as word processing, spreadsheets, and data base. This course is intended for students who desire an initial exposure to the hardware and software of a personal computer system.

BUSA 100 Introduction to Computers 3 Credits Offered Each Semester

BUSA 100 is the study of computer systems and applications. It introduces students to computer hardware, and a hands-on exploration of application and system software for microcomputers and includes the history, terminology, industry trends and social impact of computers. This course is appropriate for students from any discipline wishing to gain basic computer literacy with computers and several popular software packages.

This course is required for Business Administration, Business Education, Office Technologies, Secretarial Studies and Small Business Management degree programs. It meets the computer science requirement for the A.A. degree. This course cannot be taken for credit after completion of CS 100. Prior completion of other courses is not required.

BUSA 107 Survey of the Macintosh Computer 1 Credit Offered Either Semester

This course is a beginning level course using the Macintosh to learn the basics of the Macintosh operating system, initializing disks, using the mouse, and keyboard. The class includes basic word processing using WordPerfect, an introduction to a basic drawing program using SuperPaint, and basic database use with Hypercard. Prior completion of other courses is not required, although some keyboarding proficiency is assumed. This course is a microcomputer elective in the Business and Office Technology programs.

BUSA 110 Small Business Accounting 3 Credits Offered Each Semester

BUS 110 provides an introduction to accounting procedures for individual proprietorship businesses. Emphasis is on the accounting cycle, double-entry accounting system, special journals, and systems and procedures for handling accounting problems associated
with small businesses.

This course is required for students in the Small Business Management and all Business and Office Technology programs and is helpful to others who want to upgrade business skills for improved employability. It is not a preparation for BUS 201. Prior completion or concurrent enrollment in BUSA 121 is required.

**BUSA 111**  
Small Business Accounting  
3 Credits  
Offered Each Semester

BUSA 111 is a continuation of BUS 110 with an introduction to accounting procedures for a merchandizing business. Emphasis will include asset valuation, inventory valuation, and financial statement analysis for small businesses. This course is required for students in the Small Business Management and all Business and Office Technology programs, and others who want to upgrade business skills for improved employability. Prior completion of BUS 110 is required.

**BUSA 117**  
Introduction to DOS  
1 Credit  
Offered Each Semester

BUSA 117 provides an introduction to the major microcomputer operating system, MS-DOS on IBM-compatible microcomputers. It includes file management, creating and using directories and subdirectories, batch files, menu development, creating and editing files, and managing hard disk systems. Hands-on computer use is involved.

This is an important course for anyone who wants to learn how to use the disk operating system on IBM-type microcomputers. It is a required course in the Executive Secretarial Studies and the Office Information Specialist programs and is a microcomputer elective course for all other Business and Office Technology programs. Prior completion of other courses is not required.

**BUSA 118**  
Introduction to Word Processing  
1 Credit  
Offered Either Semester

BUSA 118 provides an introduction to word processing fundamentals using the word processing package, WordPerfect, on IBM-compatible computers. A hands-on class with business-oriented examples, it includes creating, storing, retrieving, editing and printing documents.

This is a valuable course for those who want to learn how to use word processing software. It does not fulfill the word processing requirement for the Business and Office Technology programs. Prior completion of other courses is not required, although some keyboarding proficiency is assumed.

**BUSA 118B**  
Intro to Word Processing-Microsoft Word  
1 Credit  
Offered Either Semester

This course provides an introduction to word processing fundamentals using the word processing package, Microsoft Word for Windows, on IBM compatible computers. A hands-on class with business-oriented examples, it includes creating, storing, retrieving, and printing documents.

This is a valuable course for those who want to learn how to use word processing software. This course is a microcomputer elective for the Business and Office Technology programs. It does not fulfill the word processing requirement for the Business and Office Technology programs. Prior completion of other courses is not required, although some keyboarding proficiency is assumed.

**BUSA 119**  
Intermediate Word Processing  
1 Credit  
Offered Either Semester

BUSA 119 is an extension of BUSA 118. It utilizes WordPerfect software on IBM compatible computers and provides additional word processing functions, including cutting and pasting text, merging text, and utilizing columns.

This course does not fulfill the word processing requirement for Business and Office Technology programs. Prior completion of BUSA 118 is required.

**BUSA 120**  
Introduction to Desktop Publishing  
3 Credits  
Offered Either Semester

BUSA 120 provides an introduction to desktop publishing fundamentals with primary emphasis on PageMaker software for IBM compatible microcomputers. This course incorporates both theory and hands-on activities using business-oriented examples. The instruction includes designing and creating page layout, using and importing word processing text, using various typefaces and fonts, and importing and creating artwork and graphic images.

This is a microcomputer elective course in the Business and Office Technology programs. Prior completion of BUSA 118 or BUSA 273, or permission of the instructor is required.

**BUSA 121**  
Introduction to Spreadsheets  
1 Credit  
Offered Either Semester

BUSA 121 is an introduction to spreadsheet fundamentals using one of the software packages (Lotus 1-2-3 or Quattro Pro) on IBM compatible microcomputers. It includes basic spreadsheet construction and layout, commands, files, graphics, and printing, and involves hands-on computer use. This course is required for the Office Systems Specialist, Executive Secretarial, and the Office Information Specialist programs and is a microcomputer elective course in all other Business and Office Technology programs. Prior completion of other courses is not required; however, some computer knowledge and basic math skills are recommended.

**BUSA 122**  
Advanced Spreadsheets  
2 Credits  
Offered Either Semester

BUSA 122 provides advanced instruction using Lotus 1-2-3 or similar software on IBM compatible microcomputers. It includes spreadsheet programming, macros, using templates, creating graphic applications, and involves hands-on computer use with business-oriented examples.

This course is required for the Computer Science Business Applications and Office Information Specialist program and is a microcomputer elective for the other Business and Office Technology programs.
BUSA 123 Introduction to Database
1 Credit Offered Either Semester

BUSA 123 provides an introduction to database fundamentals. It involves hands-on computer experience using either the software program, dBase or Paradox, on IBM compatible microcomputers. Database design and theory, file structure, sorting, editing, report generating at the query-level of dBase, and printing records are included.

This course provides skills in the computer management of data for any application. It is a required course for the Executive Secretarial and Office Information Specialist programs and serves as a microcomputer elective for the other Business and Office Technology programs. Prior completion of other courses is not required; however, some computer knowledge is recommended.

BUSA 124 Advanced Database Management
3 Credits Offered Either Semester

BUSA 124 provides instruction in database programming using dBase on IBM compatible microcomputers. It emphasizes designing, documenting, and writing database programs. It also includes command file programming, file handling, designing menus, and debugging programs. Hands-on computer use is involved.

This is a required course in the Office Information Specialist program and is a microcomputer elective in the other Business and Office Technology programs. Prior completion of BUSA 123 is required.

BUSA 127 Introduction to Business
3 Credits Offered Each Semester

BUSA 127 presents a survey of organization, functions, and activities of business. Emphasis is placed on the terminology necessary to understand business principles and practices. It also includes an exploration of the areas of management, marketing, finance, and personnel.

This course is useful for those who are considering a career in business and those who want an overview of what the study of business encompasses. It is required in the Office Information Specialist, Executive Secretarial, and Small Business Management programs. Prior completion of other courses is not necessary.

BUSA 128A Advanced Word Processing-Desktop Publishing Features
1 Credit Offered Either Semester

BUSA 128A is an advanced course using WordPerfect on IBM compatible computers. It includes graphic lines and boxes, graphic images (xpg), fonts, viewing your document, design and layout, comparing documents, creating master documents, math features, and macros. This is a hands-on class with business oriented examples. The course is important for those who want to utilize the desktop publishing features with WordPerfect. This course is a microcomputer elective for the Business and Office Technology programs. Prior completion of BUSA 118 and 119 or BUSO 273 is required.

BUSA 130 Principles of Management
3 Credits Offered Each Semester

BUSA 130 presents an introduction to the theories of the functional and behavioral approaches to management. Emphasis is placed on the functions of planning, organizing, directing, staffing, controlling, coordinating, and delegating. It also involves applications to the operational and administrative activities of management, including communication, motivation, leadership, decision making, and innovation.

This course is helpful in upgrading management skills. It is required in the Office Information Specialist, Executive Secretarial, and Small Business Management programs. Prior completion of other courses is not required.

BUSA 133 Introduction to Microsoft Windows
1 Credit Offered Either Semester

This course provides an introduction to Microsoft Windows fundamentals on IBM compatible computers. The course includes utilizing and controlling Windows, help, Write, Paintbrush, sharing data between applications with Clipboard, printing using Print Manager, installing Windows, and working with the Control Panel. This course is useful for anyone who wants to learn how to use Microsoft Windows software. Prior completion of other courses is not required, although some keyboarding proficiency is assumed.

BUSA 155 Principles of Marketing
3 Credits Offered Each Semester

BUSA 155 provides an introduction to the basic problems and practices in marketing. It includes the areas of decision making relating to product, promotion, pricing, distribution, and target markets, all within a time schedule for an individual business.

This course helps to create an awareness of the operational and administrative activities of a marketing manager; it also helps in upgrading marketing skills. This is a required course in the Small Business Management program. Prior completion of other courses is not required.

BUSA 156 Principles of Retailing
3 Credits Offered Fall Semester

This course teaches students how to apply business strategies to retail merchandising and service businesses. It involves the study of pricing, markdowns, inventory control, warehousing, and promotion to determine the proper marketing mix.

BUSA 156 satisfies the business elective course requirement for the Small Business Management program. Prior completion of BUSA 127 or 135 is recommended.

BUSA 157 Fundamentals of Advertising
3 Credits Offered Spring Semester

BUSA 157 presents an overview of the principles and procedures in advertising. It examines the importance of advertising, alternative media, measurement of effectiveness,
and cost, with emphasis on small business budgets. Development of an advertising campaign is also included.

This course satisfies a business elective course requirement for the Small Business Management program. Prior completion of other courses is not required.

**BUSA 158**
Principles of Salesmanship  
3 Credits  
Offered Spring Semester

BUSA 158 presents an introduction to the fundamentals of selling and sales management. It explores current selling techniques and principles, and involves the preparation of a sales demonstration.

This course is helpful in developing sales skills. It is a required course in the Small Business Management program. Prior completion of other courses is not required.

**BUSA 181**
Survey of Hospitality  
3 Credits  
Offered Either Semester

BUSA 181 presents an introduction to the historical development, organizational structure, and scope of the hospitality industry (hotels, motels, restaurant management, catering, convention management, tourism, and beverage management). BUSA 181 satisfies a business elective course requirement for the Small Business Management program. Prior completion of other courses is not required.

**BUSA 185**
Business Mathematics  
3 Credits  
Offered Each Semester

BUSA 185 provides instruction in the basic operations necessary to solve business problems including the areas of decimals, fractions, percentages, interest, discount, markup, installment buying, stocks and bonds, insurance, and taxes. The touch method of operating an electronic calculator to solve business work examples is developed.

This course is required in the Business Education, Small Business Management, and all Business and Office Technology programs. Prerequisite for Business Math is completing the ASSET Test with a scaled score of 38 or higher on the numerical skills test or 20 or higher on the elementary algebra test or successful completion of Math 020 or higher. Concurrent enrollment in Math 030 is recommended.

**BUSA 201**
Principles of Accounting  
3 Credits  
Offered Each Semester

BUSA 201 is an introduction to contemporary financial accounting, it emphasizes basic terminology and concepts, the theoretical framework of double-entry accounting, and description and derivation of the primary financial statements prepared by accountants.

This course is required in the Business Education and Business Administration programs. It fulfills the accounting course requirement for the Small Business Management and all Business and Office Technology programs. Prior completion of other courses is not required.

**BUSA 202**
Managerial Accounting  
3 Credits  
Offered Each Semester

BUSA 202 is a continuation of BUSA 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 required in the Business Education and Business Administration programs. Prior completion of BUSA 201 is required.

**BUSA 209 (formerly BUSA 204)**
Computer Accounting  
1 Credit  
Offered Each Semester

BUSA 204 applies accounting theory and principles in practical situations involving hands-on computer use.

This course serves as a business elective for the Small Business Management and Business Administration programs. Prior completion of BUSA 201 or permission of the instructor is required.

**BUSA 226**
Personnel Management  
3 Credits  
Offered Fall Semester

This course provides an introduction to employee management. Job analysis, job design, job description, skills inventory, recruitment, selection process, performance appraisal, motivation, compensation, and employee development are examined.

BUSA 226 helps students develop important management skills. It is a required course in the Small Business Management program. Prior completion of other courses is not required.

**BUSA 251**
Principles of Statistics  
3 Credits  
Offered Each Semester

BUSA 251 presents an introduction to the techniques used to describe and analyze data. It emphasizes recognizing types of problems and their solutions, and provides an overview of averages, deviations, probability, sampling, hypothesis testing, analysis of variance, and regression analysis.

This course is a required course in the Business Administration program. Prior completion of MATH 115 or 155 is required.

**BUSA 257**
Small Business Management  
3 Credits  
Offered Spring Semester

BUSA 257 applies management and marketing concepts to planning and managing a small business. Students will make presentations illustrating the steps in planning and creating a new small business. Field trips to area small businesses will be utilized. Input from many different retail and service small business managers is provided.

This course is required in the Small Business Management program. Prior completion of BUSA 130 and BUSA 110 or 201 is required.

continued...
BUS 265 Business Law
3 Credits
Offered Each Semester

BUS 265 provides an introduction to the areas of law
including contracts and torts, which apply most closely
to businesses.

This course is a required course in the Business
Administration, Business Education, Small Business
Management, and Legal Secretarial Studies programs. Prior
completion of other courses is not required.

Business and Office Technology

BUS 101A Basic Keyboarding
1 Credit
Offered Each Semester

BUS 101A provides introductory development of basic
keyboarding skills. It proceeds from basic alphabetic
keyboarding through numeric and symbolic keyboarding.
Emphasis is placed on developing skills for personal use.
This is a required course in the Business and Office
Technology programs. This is an important course for those
who want to learn to type; it is especially useful for
microcomputer word processing. Prior completion of other
courses is not required. (This is an eight-week course).

BUS 101B Basic Keyboarding Applications
1 Credit
Offered Each Semester

BUS 101B is a continuation of BUS 101A. Emphasis
is placed on skills for personal use. Areas of concentration
include correspondence, simple tables, formatted reports,
and printed forms. This is a required course in the Business
and Office Technology programs. Prior completion of
BUS 101A is required. (This is an eight-week course).

BUS 107 Medical Terminology/Anatomy
2 Credits
Offered Each Semester

This course is an introduction to terminology used in
the medical field with an emphasis on anatomy, diagnostic
and surgical procedures, and reports. It is required for students
in the Medical Secretarial Studies program and is helpful for
any medical paraprofessional or legal secretary.

BUS 108 Medical Terminology/Physiology
2 Credits
Offered Each Semester

This advanced medical terminology course emphasizes
realistic situations and procedures used in the medical
community. It is required for students in the Medical
Secretarial Studies program and is helpful for any medical
paraprofessional or legal secretary. Prior completion or
concurrent enrollment in BUS 107 is required.

BUS 112 Speedwriting Theory and Dictation
3 Credits
Offered Fall Semester

BUS 112 is an introductory course in speedwriting.
Emphasis is placed on learning the correct outlines and
theory while developing speed in taking and transcribing
dictation. This course is required for all students in the
Office Information Specialist, Executive Secretarial Studies
and Legal Secretarial Studies programs. It is a valuable aid
for students who want to take notes more efficiently. Prior
completion of, or concurrent enrollment in BUS 101A is
required.

BUS 113 Speedwriting Dictation and Transcription
3 Credits
Offered Spring Semester

This course is a continuation of BUS 112 with emphasis
on developing skills in taking and transcribing dictation. It
involves daily skill-building practice for speed and accuracy
and for producing legible copy.

BUS 113 is required for all students in the Office
Information Specialist, Executive Secretarial and Legal
Secretarial programs. Prior completion of BUS 112 or
one year of high school speedwriting is required.

BUS 115 Records Systems Management
3 Credits
Offered Each Semester

This course offers instruction in various systems of record
management. General areas covered include principles of
record creation, retention, transfer, and disposal. Topics
also include organization and management of stored records,
records facilities, personnel and retention programs, and
safety and security of information. Technologies of
micrographics, optical disk, and barcoding are included.
Use of manual, mechanical, and automated means of
storing and retrieving information are covered. This course
is required for Business and Office Technology programs.
Prior or concurrent enrollment in BUS 101B is required.

BUS 186 Office System Specialist Field Experience
2 Credits
Offered Each Semester

OSS Field Experience provides supervised training in
secretarial skills through on-the-job experience.

This course allows a practical application of secretarial
skills learned in the Office System Specialist program
coursework. It involves approximately six hours per week
of in-office work. It is a required program in the Office System
Specialist program and is graded on a satisfactory/
unsatisfactory basis. Prior completion of BUS 273 and
prior completion or concurrent enrollment in BUS 274
and BUS 295 are required.

BUS 187 Medical Field Experience I
4 Credits
Offered Fall Semester

Medical Field Experience I provides supervised training in
secretarial skills through on-the-job experience in a
medical-related office.

This course provides a practical application of secretarial
skills as a part of the learning process. It involves
approximately 11 hours per week of in-office work. It is a
required course in the Medical Secretarial Studies program
and is graded on a satisfactory/unsatisfactory basis. Prior
completion of BUS 207, 209, 273 and 295 is required.
BUS 207, 209 and 295 may be taken concurrently with
BUS 187.
BUSO 188  Medical Field Experience II
4 Credits  Offered Spring Semester

Buso 188 is a continuation of Buso 187. It is a required course in the Medical Secretarial Studies program and is graded on a satisfactory/unsatisfactory basis. Prior completion of Buso 187 is required.

BUSO 189  Secretarial Field Experience I
4 Credits  Offered Fall Semester

Secretarial Field Experience I provides supervised training in secretarial skills through on-the-job experience in a business office.

This course provides practical application of secretarial skills as a part of the learning process. It involves approximately 11 hours per week of in-office work. It is a required course in the Executive Secretarial Studies and Office Information Specialist programs and is graded on a satisfactory/unsatisfactory basis. Prior completion of BUSO 273 and 295 or permission of instructor is required. BUSO 295 may be taken concurrently with BUSO 189.

BUSO 190  Secretarial Field Experience II
4 Credits  Offered Spring Semester

Secretarial Field Experience II is a continuation of BUSO 189 and provides supervised training in secretarial skills through on-the-job experience in a business office.

This course provides practical application of secretarial skills as a part of the learning process. It involves approximately 11 hours per week of in-office work. It is a required course in the Executive Secretarial Studies and Office Information Specialist programs and is graded on a satisfactory/unsatisfactory basis. Prior completion of BUSO 189 is required.

BUSO 191  Legal Field Experience I
4 Credits  Offered Fall Semester

Legal Field Experience provides supervised training in secretarial skills through on-the-job experience in a legal-related office. The course provides practical application of secretarial skills as a part of the learning process. It involves approximately 11 hours per week of in-office work. It is a required course in the Legal Secretarial Studies program and is graded on a satisfactory/unsatisfactory basis. Prior completion of BUSO 112, 205, 273, and 295 is required. BUSO 205 and 295 may be taken concurrently with BUSO 191.

BUSO 192  Legal Field Experience II
4 Credits  Offered Spring Semester

BUSO 192 is a continuation of BUSO 191. It is a required course in the Legal Secretarial Studies program and is graded on a satisfactory/unsatisfactory basis. Prior completion of BUSO 191 is required.

BUSO 205  Legal Terminology and Transcription
3 Credits  Offered Fall Semester

This course provides an introduction to the pronunciation and usage of legal terminology. It includes typing legal documents from transcription and provides instruction in office procedures within the legal field.

BUSO 205 is a required course in the Legal Secretarial Studies program. Prior completion or concurrent enrollment in BUSO 273 is required.

BUSO 206  Legal Secretarial Procedures
3 Credits  Offered Spring Semester

BUSO 206 is a continuation of BUSO 205. It is required for the Legal Secretarial Studies program. Prior completion of BUSO 205 is required.

BUSO 209  Medical Transcription
2 Credits  Offered Each Semester

This course provides an introduction to transcribing taped dictation, covers basic reports used in the medical field, and reinforces knowledge of medical terminology and procedures. It is required for students in the Medical Secretarial Studies program. Prior completion of BUSO 273 is required.

BUSO 210  Advanced Medical Transcription
2 Credits  Offered Each Semester

The Advanced Medical Transcription course emphasizes realistic dictation situations used in the medical community. It is required for students in the Medical Secretarial Studies program. Prior completion of BUSO 209 is required.

BUSO 273  Word Processing and Machine Transcription
3 Credits  Offered Each Semester

This course provides an introduction to word processing fundamentals using microcomputers and the software package, WordPerfect. It includes instruction in creating, storing, retrieving, editing, and printing documents and utilizes spelling, vocabulary, punctuation, and proofreading skills. Machine transcription skills on the microcomputer are also developed.

BUSO 273 is a required course in the Business and Office Technology programs. Prior completion of BUSO 102 is required.

BUSO 274  Word Processing Applications
3 Credits  Offered Each Semester

BUSO 274 is a continuation of BUSO 273. It emphasizes advanced word processing and machine transcription skills. It is a required course in the Business and Office Technology programs. Prior completion of BUSO 273 is required.

BUSO 294  Medical Office Procedures
1 Credit  Offered Each Semester

This course emphasizes the procedures utilized in the medical office setting. Included are diagnostic and procedure coding, insurance billing, appointment scheduling, patient continued...
file creation and maintenance and medical telephone communication. The course also covers medical forms and reports, medical laws and ethics, and terminology for procedures, surgery and prescription drugs. Students must have taken or be concurrently enrolled in BUSO 207.

BUSO 295  
Office Procedures  
3 Credits  
Offered Each Semester

BUSO 295 is a capstone course designed to give students a practical insight in the nature of current office procedures. Topics will include: interpersonal skills in written and oral communication; supervision and public contact; interpersonal skills; job search; mail processing; professional appearance; reference material; reprographics; scheduling; telephone techniques; time management; and written/verbal communications.

This course is required for all Business and Office Technology programs. Prior completion of BUSO 273 or concurrent enrollment is required.

Carpentry

Note: Course enrollment requires prior acceptance into the Carpentry Program.

CARP 151  
Carpentry Theory I  
4 Credits  
Offered Fall Semester

A look at the trade and its applications as a career is initially covered. All aspects of construction safety are taught. Hand and power tools are covered as well as all types of building materials. Much emphasis is given to blueprint reading, house design, building codes, and site development. Concrete and framework, as well as floor, wall, and roof framing are taught.

CARP 151L  
Carpentry Laboratory I  
8 Credits  
Offered Fall Semester

Students will spend time at an actual work-like situation. Students will use many hand, electric, portable, and stationary tools, and must acquire good skills in this area as well as understand all safety aspects of the tools used. Actual job situations will correspond with time spent in the classroom.

CARP 152  
Carpentry Theory II  
2 Credits  
Offered Spring Semester

Stair layout, insulation, roofing, and drywall techniques along with interior and exterior finishing are covered during this session. All aspects of safety are continuously covered.

CARP 152L  
Carpentry Laboratory II  
10 Credits  
Offered Spring Semester

On the same project as the first semester, the students will have the opportunity to sharpen their skills and put them into practice, as well as learn additional tasks. Stair layout, insulation, roofing, drywall techniques, and interior and exterior finishing will be covered. More emphasis will be placed on teamwork, work ethics, and work habits.

CARP 153  
Carpentry Theory III  
1 Credit  
Offered Summer Session

The summer session provides an opportunity to review any required material not covered in the first two semesters. This session allows additional time for students needing extra help.

CARP 153L  
Carpentry Laboratory III  
3 Credits  
Offered Summer Session

The summer lab session is spent completing a project, if necessary, as well as an opportunity for students to fine tune their skills. Students may exit early provided they: 1) Have completed their required competency tasks, 2) Maintained a "C" grade, 3) Received instructor permission, and 4) I have a job which meets required criteria.

Chemistry

CHEM 103  
Preparation of College Chemistry  
4 Credits  
Offered Each Semester

An introduction to problem-solving and techniques needed for college-level chemistry. It is designed as a preparation for CHEM 111 and for students without sufficient background in chemistry. This course satisfies a laboratory science course requirement for the A.S. degree. Prior completion of high school algebra or its equivalent is required.

CHEM 107  
Basic Concepts of Chemistry I  
4 Credits  
Offered Each Semester

CHEM 107 is a survey of the basic concepts of inorganic chemistry and is designed primarily for health science degrees or to meet general core requirements.

The course satisfies a laboratory science course requirement for the A.S. and A.A. degrees. It is not intended as a preparation for CHEM 111. Only six credits can be earned by students taking both CHEM 103 and CHEM 107. Includes classroom lectures and separate laboratory sessions. Prior completion of high school algebra or its equivalent is required.

CHEM 108  
Basic Concepts of Chemistry II  
4 Credits  
Offered Each Semester

This course is a continuation of CHEM 107 and surveys basic concepts of organic and bio-chemistry. It is designed primarily for health science degrees or to meet general core requirements. The course satisfies a laboratory science requirement for the A.S. degree. Includes classroom lectures and separate laboratory sessions. Prior completion of CHEM 107, 111, or other chemistry background and a satisfactory score on the CHEM 107 equivalency examination is required.

CHEM 111  
Principles of Chemistry I  
4 Credits  
Offered Each Semester

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 interesting applications will be examined. Includes classroom lectures and separate lab sessions.

It is a required course for many transfer degree programs in the sciences and engineering. The course satisfies a laboratory science requirement for the A.S. and A.A. degrees. Prior completion of one year of recent high school chemistry or CHEM 101, or CHEM 107, or a satisfactory score on the chemistry placement test (given at the first lab session) is required.

CHEM 112  Principles of Chemistry II 5 Credits  Offered Each Semester

A continuation of CHEM 111. Laboratory work involves small-scale qualitative analysis. The course includes classroom lectures and two weekly lab sessions.

It is a required course for many transfer degree programs in chemistry, life sciences, pharmacy, and most health science areas. Satisfies a laboratory science course requirement for the A.S. degree. Prior completion of CHEM 111 (grade of "C" or better is strongly recommended) and a working knowledge of logarithms is required (completion of MATH 155 is recommended).

CHEM 114  General Chemistry 4 Credits  Offered Each Semester

A continuation of CHEM 111. Laboratory work involves brief small-scale qualitative analysis. This course includes classroom lectures and one weekly lab session.

CHEM 114 is intended for transfer programs that do not require any further chemistry courses. It satisfies a laboratory science course requirement for the A.S. degree. Prior completion of CHEM 111 (grade of "C" or better is strongly recommended) and a working knowledge of logarithms is required (completion of MATH 155 is recommended).

CHEM 253  Quantitative Analysis 3 Credits  Offered Spring Semester When Demand Warrants

This course offers instruction in the theory and practice of gravimetric and volumetric analysis with some instrumental analysis. It helps improve problem solving skills in quantitative chemistry. Concurrent enrollment in CHEM 253L is required. Prior completion of CHEM 112 or 114 with a "C" or better, or permission of the instructor is also required.

CHEM 253L  Quantitative Analysis Laboratory 2 Credits  Offered Spring Semester When Demand Warrants

This laboratory accompanies CHEM 253. Class meets twice each week for three hours. Concurrent enrollment in CHEM 253 is required.

CHEM 277  Organic Chemistry I 3 Credits  Offered Fall Semester

CHEM 277 is a comprehensive study of the principles and theories of organic chemistry, emphasizing properties, preparations, and reactions. Required for transfer degree programs in chemistry, medicine, dentistry, pharmacy, engineering, and related fields. Prior completion of CHEM 112 or 114 with a grade of "C" or better is required. Carries no credit after completion of CHEM 275.

CHEM 278  Organic Chemistry I Laboratory 1 Credit  Offered Fall Semester

CHEM 278 is an introduction to the techniques of the organic laboratory including application of chromatography and spectrometry, reaction mechanisms, and synthesis. Prior completion or concurrent enrollment in CHEM 275 or 277 is required.

CHEM 287  Organic Chemistry II 3 Credits  Offered Spring Semester

This is a continuation of CHEM 277 with an introduction to biological molecules. Prior completion of CHEM 277 with a grade of "C" or better, or permission of the instructor is required.

CHEM 288  Organic Chemistry II Laboratory 1-2 Credits  Offered Spring Semester

Laboratory work to accompany CHEM 287. The second credit option includes qualitative organic chemistry which is intended for chemistry majors and others who can benefit from additional laboratory work. Prior completion or concurrent enrollment in CHEM 287 is required.

Child Development

CHD 105  Individual and Family Development (same as PSYC 105) 3 Credits  Offered Fall Semester

CHD 105 is an introductory overview of human development from conception to adolescence including social issues and trends affecting modern families and children's development. It is a required course for the Child Development Program. Prior completion of other courses is not required.

CHD 234  Infancy & Early Childhood (same as PSYC 234) 3 Credits  Offered Spring Semester

CHD 234 offers an in-depth look at the development of early childhood from birth through eight years. The course investigates factors that determine physical, cognitive, social, and creative development and includes discussions of current trends and issues affecting young children. It is a required course for the Child Development Program. Prior completion of other courses is not required.

CHD 243  Early Childhood Education (same as EDUC 243) 2 Credits  Offered Fall Semester

This course introduces the basic goals of early childhood education, birth through eight years. Included is an examination of young children's characteristics, areas of continued...
growth and development, developmentally appropriate curriculum, behavior guidance, and the role of the teacher and aide. It is a required course for the Child Development Program. Prior completion of other courses is not required.

CHD 254  Child Management Theory  
(3 Credits)  
Offered Spring Semester

Techniques for understanding and effectively guiding children's behavior and managing classroom situations are examined and practiced in this course. Included are setting expectations, redirecting behavior, conflict resolution, group skills, verbal guidance, effective use of praise, and setting individual goals. It is a required course for the Child Development Program. Permission of instructor or prior completion of one of the following courses is required: CHD/PSYC 105, PSYC 205, CHD/PSYC 234, CHD/EDUC 243.

CHD 298  Practicum: Child Development  
(1-4 Credits)  
Offered Each Semester

This course offers a supervised experience in the NIC Children's Center and early childhood field settings in the community to apply skills acquired in child development courses with young children. Students focus on early childhood teaching skills, including planning and preparing materials, working directly with individuals and groups of children, behavior guidance, and goal setting. It is a required course for the Child Development Program. Permission of the instructor or prior completion of one of the following courses is required: CHD/PSYC 105, PSYC 205, CHD/PSYC 234, CHD/EDUC 243, CHD/PSYC 254.

Communications

COMG 101  Interview Techniques (Same as JOUR 101)  
(2 Credits)  
Offered Each Semester

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. Prior completion of other courses is not required.

COMG 103  Oral Interpretation  
(3 Credits)  
Offered Either Semester

Making literature come alive through effective reading and interpreting is the goal of this course. Students will learn to select, analyze, and perform a variety of literary pieces including stories, plays, poems, and famous orations. COMG 103 is a useful elective for elementary education, performing arts, literature, and communication majors, as well as for parents. Prior completion of other courses is not required.

COMG 109  Intercollegiate Forensics  
(1 Credit)  
Offered Each Semester

Speech 109 involves study and practice in the principles of argumentation and debate designed to prepare students for competition in intercollegiate speech and forensic tournaments. The college's speech and debate team is selected from this course. It provides experience and skill development in oral communications relevant to a number of career areas, including media, law, public relations, journalism, and business. It may be repeated for a total of four credits. Prior completion of other courses is not required.

COMG 131  Introduction to Speech Communication  
(3 Credits)  
Offered Each Semester

This course introduces students to what communication is and how it affects human interaction. Emphasis is on public speaking with attention to audience analysis, organizational, and delivery skills.

The controlled and supportive classroom environment is an ideal setting for students to practice and perfect those communication skills of effective speaking and critical listening valued in all professions, the community, and personal relations. This course is a requirement for both the A.A. and A.S. degrees. Strong college-level reading and writing skills are recommended.

COMG 133  Improving Listening Skills  
(1 Credit)  
Offered Either Semester

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. Prior completion of other courses is not required.

COMG 134  Nonverbal Communication
2 Credits  Offered Either Semester

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 students' own nonverbal communication style. Prior completion of other courses is not required. Strong college-level reading and writing skills are recommended.

COMG 200  Seminar: Human Potential
2 Credits  Offered Each Semester

This seminar features a structured small group with interactive experiences designed to assist students in becoming more self-directed, self-motivated, self-confident, and empathetic towards others.

It is an elective that helps to uncover insights into personal values, motivations, successes, achievements, and satisfactions. Short and long-term goal setting is learned and practiced, making the course a useful one for success in college, determining career choices, establishing close relationships, and tapping into unique potential as humans. Students of all majors, academic backgrounds, and experience are welcomed. Prior completion of other courses is not required.

COMG 209  Argumentation
3 Credits  Offered Either Semester

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. Prior completion of COMG 131 or permission of Instructor is required. Strong college-level reading and writing skills are recommended.

COMG 233  Interpersonal Communication
3 Credits  Offered Either Semester

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 and living where relationships must be developed and maintained. Prior completion of other courses is not required.

COMG 236  Small Group Communication
3 Credits  Offered Either Semester

This course is designed to present the fundamentals of small group communication in such a way that the student actually experiences the small group process and evaluates his/her own and other's behaviors for success. The course will combine theory and practical application.

Computer Science

CS 100  Introduction to Computers and Computer Science
3 Credits  Offered Each Semester

CS 100 is intended as an introduction to computers for non-computer science majors. No prior experience with computers is necessary. Topics include an historical perspective, word processing, and the computer language QBASIC. Problem solving and algorithm development are the focus of the course. The course involves substantial use of microcomputers and the possible use of a minicomputer. Prior completion of MATH 030 or its equivalent is required.

CS 102  Introduction to Computers & Computer Science for Educators
3 Credits  Offered Spring Semester

CS 102 is a survey of computer systems and their applications intended for education majors. Topics include the historical and continuing evolution of computer hardware and educational software, terminology, the uses of computers in classroom management, their impact on society, and structured programming techniques. Hands-on lab exercises will be required in using a word processing software package and in program design and implementation with BASIC or a similar language. Students should expect to devote considerable time outside class to complete lab assignments. No previous computer background is assumed. Prior completion of MATH 030 or its equivalent is required. Students may not receive duplicate credit for CS 100, BUSA 100 and CS 102.

CS 125  Introduction to QBASIC Programming
2 Credits  Offered Either Semester on Demand

This course is an introduction to the QBASIC programming language. It is intended for engineering students who may need a fundamental knowledge of QBASIC or students interested in programming their home computers. Prior completion of MATH 101 is required.

CS 150  Computer Science I
4 Credits  Offered Each Semester

CS 150 offers an introduction to the field of computer science using PASCAL. Central themes of the class include an introduction to computer organization, algorithmic problem solving and structured program design, and societal and professional context in which computer science exists. Fundamental data types including arrays and records will be explored and concepts such as complexity, invariants, and abstract data types will be introduced. Concurrent

continued...
enrollment in CS 150L is required. Prerequisites: Two years of high school algebra or MATH 115 or MATH 155. CS 150 is recommended for students without computer experience.

**CS 150L**  
Computer Science I Lab  
0 Credit  
Offered Each Semester

CS 150L is a computer laboratory experience included as an integral part of CS 150. Students will have hands-on experience with Turbo PASCAL to become comfortable with the Turbo PASCAL user interface and tools while studying classical computer science problems in an instructor guided laboratory experience. Concurrent enrollment in CS 150 is required.

**CS 160**  
Computer Science II  
3 Credits  
Offered Spring Semester

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. A large group project will be completed. Standard algorithms for numeric and text processing, searching, and sorting will be covered. The exploration of recursion is continued. Students must be concurrently enrolled in a college level mathematics class such as MATH 160 or 176. Prerequisite: CS 150 and CS 150L.

**CS 185**  
Introduction to Numerical Computing with FORTRAN  
3 Credits  
Offered Each Semester

This course is an introduction to numerical computing using FORTRAN. Students will be introduced to techniques of computer programming and the elements of the FORTRAN language. Practical applications will include the techniques of solving equations in one variable, polynomial approximation, numerical differentiation, numerical integration and matrix manipulations. The course is intended for engineering and science majors. Prior completion of MATH 180 is required.

**CS 191**  
Programming in C  
3 Credits  
Offered Spring Semester

This course provides an introduction to structured programming using the language C. Features of the UNIX operating system may be discussed. This course is suitable for those students aspiring to major in computer science, but the course will also serve science and engineering majors as well as people from the community. Prior programming experience in a structured language is required. This requirement is best met with a course in Pascal, but Pascal is not required.

**CS 201**  
Introduction to Computer Algorithms  
4 Credits  
Offered Fall Semester

This course is a continuation of MATH 176 and CS 150. It emphasizes searching, sorting, partitioning algorithms, graphs and trees, verifying program integrity, and abstract models of computation. The course involves assigned program writing. It provides a bridge between the introductory programming course and advanced courses in computer science. Prior completion of MATH 155 and MATH 176 or permission of the instructor is required.

**CS 240**  
Digital Computer Fundamentals  
4 Credits  
Offered Spring Semester

Digital logic concepts, logic design, Karnaugh maps, combinational and sequential networks, state tables, state machines, and program logic arrays are covered in this course. Laboratory activities use basic lab equipment, logic analyzers, and digital oscilloscopes. Math 155 or permission of instructor is required for enrollment in this class.

**CS 250 (Formerly CS 213)**  
Data Structures  
3 Credits  
Offered Fall Semester with sufficient demand

Standard data structures are examined using PASCAL and/or C. Stacks, queues, linked lists, trees, and graphs are presented and explored through manipulation methods specific to each. Other topics include a continued development of skills in the analysis of algorithms, dynamic memory use, and the use of external files. Prior completion of CS 160 and MATH 176 is required.

**CS 270**  
Computer Organization and Assembly Language  
3 Credits  
Offered Spring Semester with sufficient demand

Students will study computer organization, assembly language, the use of assemblers, addressing methods, and structured assembly programming methods. Prior completion of CS 150 and CS 240 is required.

## Computer Applications in Business

Note: Course enrollment requires prior acceptance into the Computer Applications in Business Program.

**CSBA 100**  
Principles of Computer Systems  
3 Credits  
Offered Fall Semester

This course is a comprehensive and applied introduction to microcomputers, minicomputers, and mainframe computers. Topics covered include hardware devices, application and operating system software (DOS and MPE), data file structures, file processing concepts, file storage devices, systems analysis and design, management information systems, concepts of computer applications, and management of computer resources. Prior completion of other courses is not required.

**CSBA 103**  
Intro to COBOL Programming  
3 Credits  
Offered Spring Semester

This course serves as an introduction to the fundamentals of application programming using the COBOL language on mainframe computer systems. It emphasizes structured design techniques in writing programs for general business
reports, input editing of data, multiple-level control break processing, and single-level table processing.

Prior completion of CSBA 100 is required.

**CSBA 103L**
**Intro to COBOL Laboratory**
3 Credits  Offered Spring Semester

This course offers applied exercises on projects using the COBOL language where the student develops a variety of introductory-level application programs. Concurrent enrollment in CSBA 103 is required.

**CSBA 111**
**Microcomputer Applications - Database**
3 Credits  Offered Fall Semester

This course is a comprehensive and applied introduction to database fundamentals using database software on IBM compatible microcomputers. Topics will include the fundamentals of database design, file creation, file inquiry and access, report design, and file management from both a theoretical and applications perspective.

Prior completion of CSBA 100 is required.

**CSBA 160**
**Introduction to Data Communications**
3 Credits  Offered Fall Semester

This is an introductory course in networking and networking technologies focusing on the basic concepts of data communications, networking and connectivity. The course also provides the data communications framework for subsequent classes by introducing the industry-specific language/terminology and protocols.

**CSBA 170**
**Introduction to Systems Analysis**
3 Credits  Offered Fall Semester

CSBA 170 introduces the theory and concepts relating to the methods and techniques used in conducting a systems design project, beginning with the feasibility study and ending with systems implementation. The principles of systems design, file design, file organization, documentation standards, project management, and selection of hardware and software are applied in laboratory exercises. Prior completion of other courses is not required.

**CSBA 227**
**Introduction to C Programming**
3 Credits  Offered Spring Semester

This course provides an introduction to C Programming on DOS-based personal computers using structured programming design techniques. Prior completion of CSBA 103 is required.

**CSBA 235**
**Advanced COBOL Programming**
3 Credits  Offered Spring Semester

CSBA 235 offers advanced concepts of application programming using the COBOL language. It emphasizes writing programs that create, access, and update sequential and indexed-sequential data files in an interactive environment. Also included are the concepts of creating and accessing subprograms and use of system libraries and utilities.

Prior completion of CSBA 233 or permission of instructor is necessary.

**CSBA 235L**
**Advanced COBOL Laboratory**
3 Credits  Offered Spring Semester

This course offers applied exercises and projects using the COBOL language where the student develops a variety of advanced-level application programs. Concurrent enrollment in CSBA 235 is required.

**CSBA 262**
**Introduction to Network Administration**
3 Credits  Offered Fall Semester

This course teaches the fundamental skills needed to manage a NetWare 3.11 network effectively. Beginning with a discussion of networking and NetWare basics, this course teaches software basics as well as how to set up users, directories and security. NetWare utilities are taught through hands-on training, worksheets and team projects. The course also covers how to create login scripts and menus, select network applications and follow archiving procedures. Prior completion of CSBA 160 is required.

**CSBA 264**
**Advanced Network Administration**
3 Credits  Offered Spring Semester

This course teaches the skills needed to monitor and maintain a NetWare 3.11 network. Course topics include high-level system management features of NetWare; how to analyze and improve network performance; advanced printing setup, including how to customize printing and how to prevent problems using recommended backup strategies. Lab activities are included to provide hands-on practice. Prior completion of CSBA 262 is required.

**CSBA 293**
**Data Base Management Systems**
3 Credits  Offered Spring Semester

This course is an applied study of data base management systems within microcomputer, minicomputer, and mainframe computer environments. Concepts of data base design, schema development, use of a query language, and file management utilities are utilized in application case studies.

Prior completion of CSBA 235 or permission of instructor is required.

**CSBA 293L**
**Data Base Management Systems Lab**
2 Credits  Offered Spring Semester

The following areas are covered in this course: development of database applications involving database dictionary definition, screen development, file management, and report generation utilizing Powerhouse. Concurrent enrollment in CSBA 293 is required.

**CSBA 294**
**Systems Development**
2 Credits  Offered Spring Semester

This course is an applied study using a fourth-generation language, such as Powerhouse, to develop a data base system. Prior completion of CSBA 293 is required.

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COURSE DESCRIPTIONS

CSBA 298  Introduction to Data Communications
2 Credits  Offered Fall Semester

This course presents an applied study of data communication hardware and software, including setting up and using a local area network (LAN) for microcomputers and techniques in accessing data from a mainframe computer system. Prior completion of CSBA 100 is required.

Culinary Arts

Note: Course enrollment requires prior acceptance into the Culinary Arts Program.

CULA 151  Stewardship and Purchasing
4 Credits  Offered Each Semester

This course includes both theory and practice with emphasis on practical application. Sanitation topics include correct sanitation skills with tableware, equipment, and facilities. Storeroom topics include ordering and receiving goods and checking invoices. Emphasis is placed on storing and dating goods. Prior completion of other courses is not required.

CULA 152  Breakfast Cooking and Catering Skills
4 Credits  Offered Each Semester

This course involves breakfast cooking skills with emphasis on eggs, their properties, and how to prepare them skillfully in an industrial setting; fundamentals of front of the house activities including on-site busing; and catering with stress on special needs of logistics, sanitation, rental requirements, and safety. Prior completion of other courses is not required.

CULA 153  Prep Station Skills
4 Credits  Offered Each Semester

This course presents instruction in knife skills and the identification and preparation of vegetables, fruits, and meats. Correct methods of trimming, filleting, and portioning will be emphasized. Breading and batters will also be included. Bread making and flavors will also be included. Prior completion of other courses is not required.

CULA 154  Pantry Station Skills
4 Credits  Offered Each Semester

Students are involved in the production process for preparation of a variety of salads and dressings, hors d'oeuvres and quiches, and quality set-ups for sandwiches. Presentation is stressed. Prior completion of other courses is not required.

CULA 155  Stock, Soup, and Sauce Preparation
4 Credits  Offered Each Semester

This course features the preparation of stocks and their use as the base for sauces and soups. Emphasis is on mother sauces, small sauces, clear soups, vegetable soups, cream soups, purees, chowders, and ethnic soups. Thickening agents, temperature control, and seasoning of food will also be stressed. Prior completion of other courses is not required.

CULA 156  Line Cook Skills
4 Credits  Offered Each Semester

Students will practice the different skills involved in being a line cook. Included are broiling, roasting, braising, grilling, stewing, poaching, steaming, and broiling. Preparation of hot specials is also included. Prior completion of CULA 151, 152, 153 and 154 is required.

CULA 157  Grill Cook Specials
4 Credits  Offered Each Semester

Grill Cook Skills students will practice mise en place, making hot sandwiches, deep frying, pan frying, and grilling. The use of leftovers in food preparation is included. Prior completion of CULA 151, 152, 153 and 154 is required.

CULA 158  Bakery Skills
4 Credits  Offered Each Semester

This course involves the theory and application of baking basics: vocabulary, weights and measures, and applied mathematical skills. Emphasis is placed on hands-on baking production. Prior completion of CULA 151, 152, 153 and 154 is required.

CULA 159  Grill Cook and Production Manager
4 Credits  Offered Each Semester

Students are presented with additional management responsibilities in assisting with set-up, answering questions, checking stock, and clean-up. This is a capstone course. Upon completion of this course, the student should understand the entire scope of running a kitchen. Prior completion of CULA 151, 152, 153 and 154 is required.

Dance

DANC 105  Aerobic Dance/Fitness
1 Credit  Offered Each Semester

This course combines cardiovascular conditioning, toning, and flexibility exercises along with a fat burning intensity level. DANC 105 is offered in two levels: Nice and Easy, involving low impact with moderate intensity for the beginner; and Intermediate, involving muscle strengthening and a higher level of intensity. It satisfies a P.E./dance requirement for the A.S. and A.A. degrees. May be repeated for a total of four credits.

DANC 113  Jazz Dance: Beginning I
1 Credit  Offered Each Semester

DANC 113 is an introduction to the movements and styles particular to 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 a P.E./dance requirement for the A.S. and A.A.
degrees. May be repeated for a total of four credits. Prior dance experience is not required.

DANC 114 Jazz Dance II
1 Credit
Offered Spring Semester

Jazz Dance II is a continuation of DANC 113, exploring movements and styles particular to today's jazz dancer. It emphasizes essays, combination steps, and explores theatrical, lyrical, and "funk" styles set 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 a P.E./dance requirement for the A.S. and A.A. degrees and may be repeated for a total of four credits. DANC 113 or some knowledge of jazz dance is recommended prior to this course.

DANC 115 Modern Dance: Beginning I
1 Credit
Offered Each Semester

DANC 115 is a discovery of dance movement through the physical and mental discipline techniques of Graham and Cunningham. 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. Satisfies a P.E./dance requirement for the A.S. and A.A. degrees. Prior dance experience is not required. May be repeated for a total of four credits.

DANC 117 Ballet: Beginning I
1 Credit
Offered Each Semester

This course concentrates on basic technique, body alignment, and the development of step combinations. It includes related terminology and history of the art form.

DANC 117 helps gain more flexibility, muscle strength, and control, and mental discipline over the body. It also promotes the aesthetic understanding and appreciation of classical ballet. This course satisfies a P.E./dance requirement for the A.S. and A.A. degrees. May be repeated for a total of two credits. Prior dance experience is not required.

DANC 118 Ballet: Beginning II
1 Credit
Offered Each Semester

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. It further enhances an appreciation of the art form as technique improves. This course satisfies a P.E./dance requirement for the A.S. and A.A. degrees. It may be repeated for a total of two credits. Prior completion of DANC 117 or its equivalent is required.

Developmental Education

DEED 010 Reading Fundamentals
2 Credits
Offered Each Semester

An open-entry, open-exit course, DEED 010 is designed for instruction in basic reading skills that include word attack, word structure, sentence sense, paragraph patterns, and main ideas. This is an important skill-building course that can influence college success but does not fulfill degree requirements. Enrollment is recommended based on placement test results. Graded either satisfactory or unsatisfactory.

DEED 013 Reading Comprehension
2 Credits
Offered Each Semester

DEED 013 is an open-entry, open-exit course designed to enhance basic reading skills with an emphasis on the comprehension of expressed and implied main ideas. The course also focuses on understanding basic patterns of organization and supporting details. This is an important skill-building course that can influence college success but does not fulfill degree requirements. Enrollment is recommended based on placement test results. Graded either satisfactory or unsatisfactory.

DEED 017 Spelling I
1 Credit
Offered Each Semester

DEED 017 is an open-entry, open-exit course which offers effective strategies and tools to help overcome personal spelling problems. It includes the study of common letter patterns, basic rules, and successful techniques designed to improve overall spelling performance. Spelling I is helpful for any student whose poor spelling is interfering with efforts toward success. This is an important skill-building course that can influence college success but will not fulfill degree requirements.

DEED 023 Vocabulary I
1 Credit
Offered Each Semester

Vocabulary I is an open-entry, open-exit individualized program emphasizing practical ways to increase personal and academic vocabulary. It includes a focus on words that are important for adults to understand in today's world. The level of vocabulary study is determined by preliminary test scores on the first day of class. This is an important skill-building course that can influence college success but will not fulfill degree requirements.

DEED 040 Reading in the Social Sciences
1 Credit
Offered Each Semester

This is an open-entry, open-exit course designed to improve reading skills related to the social sciences. Actual reading situations are used to enhance performance in social sciences courses.

This is an important skill-building course that can influence college success but does not fulfill degree requirements. Planned or concurrent enrollment in social science courses is recommended.

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DEED 041  Reading in the Sciences and Mathematics
1 Credit  Offered Each Semester

This is an open-entry, open-exit course designed to improve reading skills related to the sciences and mathematics. Actual reading situations are used to enhance performance in science and math courses.

This is an important skill-building course that can influence college success but does not fulfill degree requirements. Planned or concurrent enrollment in science or math courses is recommended.

DEED 042  Reading in the Humanities
1 Credit  Offered Each Semester

DEED 042 is an open-entry, open-exit course designed to improve reading skills related to the humanities. Actual reading situations are used to enhance performance in humanities courses.

This is an important skill-building course that can influence college success but does not fulfill degree requirements. Planned or concurrent enrollment in humanities courses is recommended.

DEED 043  Reading in Applied Technology
1 Credit  Offered Each Semester

This course is an open-entry, open-exit course designed to improve reading skills for technical materials. This course emphasizes learning for critical and efficient reading, including reading for information, following directions, critical reading, checking information, drawing conclusions, vocabulary, and understanding graphics in technical materials.

DEED 100  Strategies for Success
1 Credit  Offered Either Semester

This course offers instruction in academic and life management skills, and an introduction to college resources. It is designed to promote student success in college through an emphasis on knowing and using successful study techniques and resources, managing self, budgeting time and money, caring for one's health, establishing and maintaining relationships, setting goals, and planning a career. This provides both academic and personal benefits.

DEED 104  Rapid Reading
2 Credits  Offered Either Semester

This course is designed for the skilled reader who would like to increase reading rate and flexibility while maintaining comprehension. Reading techniques are applied to reading lessons and outside reading materials.

DEED 105  How to Study in College
2 Credits  Offered Either Semester

How to Study in College provides instruction in practical study techniques essential for academic success. This course emphasizes managing time, taking notes, reading textbooks efficiently, and preparing for and taking exams.

NOTE: Other skill-building courses that are part of the DEED program are Library Skills (L/IIS 120) and Basic Mathematics (MATH 020).

Diesel Technology

Note: Course enrollment requires prior acceptance into the Diesel Technology Program.

DSLT 100  General Shop Practice
1 Credit  Offered Fall Semester

This course will give the student instruction in a variety of shop practices and minor repairs. These will include drilling and tapping holes, cutting threads, drilling out broken bolts, installing Heli-coils, creating double flares on tubing, and soldering, as well as other skills of floors and equipment.

DSLT 110  Air Brake Systems
2 Credits  Offered Fall Semester

At the completion of this course the student will understand the basic principles of air systems and air brakes used on trucks and heavy equipment. Proper identification of components and repairs will be covered as well as troubleshooting procedures. The student will also learn and understand the importance and responsibilities involved with air systems and brakes.

DSLT 115L  Diesel Lab
2 Credits  Offered Fall Semester

This course will give the student hands-on exposure in a shop setting to those subjects covered in DSLT 100, 110, 120 and 130 theory classes. The instruction will utilize a variety of mock-ups, training aids, components and live customer work. The student will be able to explain and demonstrate proper safety precautions when lifting and supporting a vehicle or component, when using tools or equipment, and when handling cleaning agents or other hazardous materials.

DSLT 116L  Diesel Lab
2 Credits  Offered Spring Semester

This course will give the students hands-on exposure in a shop setting to those subjects covered in DSLT 170, 180, and 190 theory classes. The instruction will utilize a variety of mock-ups, training aids, components and live customer work. The student will be able to explain and demonstrate proper safety procedures and precautions in the lab which include lifting and supporting vehicles or components, using tools or equipment, and proper handling of cleaning agents or hazardous materials.

DSLT 117L  Diesel Lab
2 Credits  Offered Summer Session

This course will give the student additional exposure to lab experiences related to the area of special interest selected by the student in DSLT 195. It may consist of work...
with mock-ups, components, live work, or in some cases School to Work arrangements with local shops. Prior successful completion of the first year of the Automotive A.A.S. program is required, or instructor permission.

**DSLT 120**
Clutch/Differentials
1 Credit
Offered Fall Semester

This course will teach students the operation, construction and repair of heavy-duty clutch systems, drivelines, universal joints, single and two-speed differential repair and adjustment, bearings and seals.

**DSLT 130**
Diesel Engine Fundamentals
1 Credit
Offered Fall Semester

This course will teach students the basics on how to identify, repair, or replace diesel engines. The student will learn two-stroke and four-stroke internal combustion engine theory as well as engine performance factors. Students will also learn proper disassembly, measuring and machining procedures.

**DSLT 170**
Engine Components
2 Credits
Offered Spring Semester

At the completion of this course the student will understand the operation and basic principles of the various components and their respective systems on a diesel engine. The student will also learn how to identify, troubleshoot, repair or replace components as necessary on diesel engines.

**DSLT 180**
Diesel Tune-Up Fundamentals
1 Credit
Offered Spring Semester

This course will teach students the proper tune-up procedures for Caterpillar, Cummins, Detroit and various other diesel engines. The student will also learn proper use of diagnostic tools, repair manuals, and troubleshooting procedures associated with diesel engine tune-ups. In addition, students will learn basic engine testing and use of dynamometers.

**DSLT 190**
Manual Transmissions
2 Credits
Offered Spring Semester

This course will teach students the basic power flow and construction of various manual transmissions related to the truck and heavy equipment field. The student will also learn how to identify, troubleshoot, overhaul, or replace transmissions and related components as necessary.

**DSLT 195**
Specialization Study
1 Credit
Offered Summer Session

During this course of study each student will select an area of special interest in which they wish to pursue additional study. The instructor will assist the student by providing instruction through one or more of the following: classroom instruction, videos, slides, library research projects or short field trips. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**DSLT 210**
Fuel/Induction Systems
1 Credit
Offered Fall Semester

This course will teach students the operation, construction, and repair techniques associated with diesel fuel systems and induction systems. Fuels, fuel additives, and troubleshooting procedures will also be studied. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**DSLT 215L**
Advanced Diesel Lab
5 Credits
Offered Fall Semester

This course will give the students hands-on exposure in a shop setting to those subjects covered in DSLT 210, 220, 230 and 250 theory classes. The instruction will utilize a variety of mock-ups, training aids, components and live customer work. The student will be able to explain and demonstrate proper safety precautions when lifting and supporting a vehicle or using tools or equipment.

**DSLT 216L**
Advanced Diesel Lab
5 Credits
Offered Spring Semester

This course will give the students hands-on exposure in a shop setting to those subjects covered in DSLT 260, 270 and 280 theory classes. The instruction will utilize a variety of mock-ups, training aids, components and live customer work. The student will also be able to explain and demonstrate proper safety precautions when lifting and supporting a vehicle or using tools or equipment.

**DSLT 220**
Advanced Tune-Up
1 Credit
Offered Fall Semester

This course will teach the student how to test, troubleshoot, adjust, repair, or replace components associated with proper tune up procedures for Caterpillar, Cummins, Detroit and other common diesel engines. Exhaust emissions regulations and other environmental issues pertaining to diesel engines will be discussed. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**DSLT 230**
Engine Controls
1 Credit
Offered Fall Semester

At the completion of this course the student will understand the basic principles of computerized diesel engine fuel systems as well as be familiar with control parameters associated with computerized engines. The student will also learn proper diagnostic and troubleshooting procedures and repair techniques. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**DSLT 250**
Computer Controls
2 Credits
Offered Fall Semester

The theory and systems of automotive and diesel computer controls will be covered including the various sensors and output devices. The use of scanners, computerized engine

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analyzers, and a multitude of special tools will also be taught. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**DSL 260**
**Undercarriages/Suspension**
2 Credits
Offered Spring Semester

At the completion of this course the student will understand the operation, construction and repair of heavy equipment undercarriages, as well as the components, construction, and repair of the various truck and heavy equipment suspension systems. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**DSL 270**
**Hydraulics**
2 Credits
Offered Spring Semester

This course will introduce the student to basic hydraulic theory and operation and its application to the maintenance and repair of heavy equipment. The student will also learn hydraulic systems and their respective components. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**DSL 280**
**HVAC**
1 Credit
Offered Spring Semester

The 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. Prior successful completion of the first year of the Diesel A.A.S. degree program is required, or instructor permission.

**Drafting Technology**

Note: Course enrollment requires prior acceptance into the Drafting Technology Program.

**DRFT 101**
**Drafting Theory and Laboratory I**
7 Credits
Offered Fall Semester

This course is divided into two sections. The first half deals with fundamentals of geometric construction and lettering. The second half of the course deals with multiview projection, dimensioning, intersection, and development and introduction to computer-aided drafting (CAD).

**DRFT 102**
**Drafting Theory Laboratory II**
4 Credits
Offered Spring Semester

This course teaches the fundamentals of sectional views, auxiliary views, and axonometric projections revolutions.

**DRFT 109**
**Computer Aided Drafting (CAD) I**
3 Credits
Offered Fall Semester

This course provides an introduction to micro-computer assisted drafting using IBM/AT compatible computers running AUTOCAD software.

**DRFT 110**
**Computer Aided Drafting (CAD) II**
5 Credits
Offered Spring Semester

This course covers Computer Assisted Drafting utilizing 100 AUTOCAD commands and learning how to use the Microsoft Disk Operating Systems (MS-DOS).

**DRFT 174**
**Descriptive Geometry**
1 Credit
Offered Spring Semester

This course is an introduction to the graphical solution of point, line, and plane problems in space. These solutions are accomplished by means of the same principles of orthographic drawing which are involved in making a simple three-view drawing of an object.

**DRFT 175**
**Quality and Cost**
1 Credit
Offered Spring Semester

This course teaches the fundamentals of taking a project and breaking it down to determine how much material is needed and costs projected. Due to the number of items generally needed, a set of house plans is used.

**DRFT 201**
**Drafting Theory and Laboratory III**
4 Credits
Offered Fall Semester

This course teaches the fundamentals of topography, mapping, and road bed cross-section drawing, which directly relate to the survey class. Threads, fasteners, and weldments are used to complete the class.

**DRFT 202**
**Drafting Theory and Laboratory IV**
4 Credits
Offered Spring Semester

This course teaches the drawing fundamental of a basic house plan, piping, electrical, elevations, plot plans, and heating. Threads, fasteners, weldments, and working drawings are used to complete the class.

**DRFT 209**
**Computer Aided Drafting (CAD) III**
5 Credits
Offered Fall Semester

This course provides instruction in MS-DOS and the drawing environment, prototype/default drawings, symbol libraries, and assembling complex drawings.

**DRFT 210**
**Computer Aided Drafting (CAD) IV**
4 Credits
Offered Spring Semester

This course focuses on the techniques of plotting drawings and symbol sheets, customizing AUTOCAD through scripts, macros, tablet and screen menus, and AUTOLISP routines.

**DRFT 235**
**Applied Physics**
3 Credits
Offered Fall Semester

This course provides a mathematical review of precision measurements, vectors, and graphic methods. It also covers working problems in force and motion, work and energy, power, basic machines, torque, and power transmission.
DRFT 236  Applied Physics
3 Credits  Offered Spring Semester

This course covers the mechanical properties of matter, solids, liquids, gases, and the study of heat and thermodynamics.

DRFT 262  Surveying
1 Credit  Offered Fall Semester

This course provides instruction in performing physical measurements in the horizontal and vertical planes, computation of areas, topographical mapping, and road profile layout are taught. Field work includes use of transit, level, rod, tape, and electronic distance meter (EDM) techniques.

Economics

ECON 151  Principles of Economics (Macro)
3 Credits  Offered Each Semester

This course is an introductory study of the behavior of our national economy, including the tools of supply and demand and the measurement of inflation, employment, business cycles, national income, and money. Economic vocabulary and analysis of economic situations are emphasized.

ECON 151 is a required course in the Business Administration, Business Education, and Small Business Management programs. It satisfies a social science requirement for the A.S. and A.A. degrees. Prior completion of MATH 101 or two years of high school algebra is strongly recommended.

ECON 152  Principles of Economics (Micro)
3 Credits  Offered Each Semester

ECON 152 is an introductory study of the economic behavior of individual consumers and suppliers. It examines consumer response to price 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, Business Education, and Small Business Management programs. Satisfies a social science requirement for the A.S. and A.A. degrees. Prior completion of other courses is not required. However, ECON 151 provides some familiarity with the vocabulary and methodology used in the course. Prior completion of MATH 101 or two years of high school algebra is strongly recommended.

Education

EDUC 201  Introduction to Teaching
3 Credits  Offered Each Semester

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 of this world will be facilitated through reflection and analysis of the student's observations and participation in 30 hours of field experience in the public schools.

This course is required for some transfer degrees in education. Its major goals are to assist students in making an educated decision about teaching as a career choice, to develop communications and interpersonal skills, to encourage creativity and critical thinking, and to provide opportunities to examine personal values and beliefs about teaching. Prior completion of other courses is not required. Sophomore standing or permission of the instructor is required.

EDUC 243  Early Childhood Education (Same as CHD 243)
2 Credits  Offered Fall Semester

This course introduces the basic goals of early childhood education, birth through eight years. Included is an examination of young children's characteristics, areas of growth and development, developmentally appropriate curriculum, behavior guidance, and the role of the teacher and aide. This course is required for the Child Development Program. Prior completion of other courses is not required.

EDUC 275  Education of the Exceptional Individual
3 Credits  Offered Each Semester

This course offers a general overview of special education. It emphasizes an introduction to the different handicapping categories, teaching methods, and unique legal requirements associated with educating exceptional individuals.

EDUC 275 provides important knowledge about exceptional individuals who are found throughout the educational system (not just special education classrooms). This course is appropriate for all education degrees. Concurrent enrollment in EDUC 190 is required.

Electronics Technology

ELEC 151  Electrical Theory I
8 Credits  Offered Fall Semester

Theory of DC and AC electricity is presented in this course and includes the study of voltage, current, resistance and their relationships. Also presented is the theory of magnetism, inductance and capacitance and their reaction to AC and DC electricity. These basics prepare the student for understanding the action of electrical circuits and how passive components work in a circuit. Component recognition and schematic symbols of passive components are taught as a precursor to circuits and analysis.
COURSE DESCRIPTIONS

ELEC 151L  Electrical Laboratory I  4 Credits  Offered Fall Semester
Laboratory experience is gained in using and measuring DC and AC electricity, voltage and current, in circuits constructed of passive components. Test equipment such as meters and oscilloscopes are introduced, and their proper use and operation is learned. Safety and general lab practices from schematics and analyzing their operation for the purpose of troubleshooting component and circuit problems.

ELEC 152  Electrical Theory II  8 Credits  Offered Spring Semester
This course studies voltage and current sources, general semiconductor theory, diodes, transistors, DC and AC amplifiers and field effect transistors. The use of semiconductors in DC and AC circuits and troubleshooting problems in semiconductor component and circuit problems.

ELEC 152L  Electrical Laboratory II  4 Credits  Offered Spring Semester
This course features laboratory practices in the use and troubleshooting of circuits constructed with semiconductors. It includes DC and AC amplifiers and AM radio operation and troubleshooting of radio and amplifier problems. Semiconductors are used in many electrical circuits; understanding their operation and practice in building and troubleshooting prepares the student for problem solving in future employment. Prior completion of ELEC 151L is required.

ELEC 253  Electronics Theory III  9 Credits  Offered Fall Semester
The study of semiconductor devices and their application is continued and expanded to include digital devices. Boolean algebra and computer number systems are taught coincidentally with developing an understanding of digital devices. Prior completion of ELEC 152 is required.

ELEC 253L  Electronics Laboratory III  6 Credits  Offered Fall Semester
Laboratory experiments are planned to provide hands-on experience with the devices being taught in ELEC 253. Familiarity with test equipment will be expanded to include logic analyzer and digital oscilloscope. Troubleshooting of problems in complex analog and simple digital circuits are provided as part of the planned experimentation. Prior completion of ELEC 252L is required.

ELEC 254  Electronics Theory IV  8 Credits  Offered Spring Semester
The study of digital devices and circuits is expanded to include complex systems and microprocessor systems. An overview of TV, VCR, and compact disk systems is presented. An introduction is made to assembly language programming. Prior completion of ELEC 253 is required.

ELEC 254L  Electronics Laboratory IV  4 Credits  Offered Spring Semester
Laboratory experiments designed to provide hands-on training with the devices and systems covered in ELEC 254 are presented. Familiarity with industry test equipment as a part of troubleshooting digital systems is reinforced. Practical experience is gained in using assembly language programming as a troubleshooting tool. Prior completion of ELEC 253L is required.

Engineering

ENGR 101  Engineering Graphics  2 Credits  Offered Each Semester
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; axonometric and oblique drawing; sectioning; dimensioning; descriptive geometry; mechanical, electrical, and civil drawing.
It provides engineering students with beginning skills in computer-aided engineering drafting but is not intended as a preparation for professional drafting. It is required for engineering transfer degrees. A basic understanding of mathematics is required and completion of high school algebra and geometry is recommended.

ENGR 201  Circuits I  4 Credits  Offered Spring Semester
ENGR 201 presents a study of Ohm's Law, analysis methods, network theorems, Laplace transforms, and energy storage elements. It includes the exploration of electrical circuits using hands-on lab activities and computers.
This is an important course for transfer degree programs in engineering, physics, math, computer science, or chemistry. Prior completion or concurrent enrollment in MATH 180 is required.

ENGR 203  Circuits II  4 Credits  Offered Fall Semester
Circuits II presents a study of power, three phase, transformers, filters, Faraday’s laws, and Laplace transforms. It includes the exploration of electrical circuits using hands-on lab activities and computers.
This is an important course for transfer degree programs in engineering, physics, math, computer science, or chemistry. Prior completion of ENGR 201 and prior completion or concurrent enrollment in MATH 180 is required.

ENGR 211  Introduction to Mechanics  4 Credits  Offered Fall Semester
ENGR 211 is a study of vector analysis, resolution of forces, free body diagrams, equilibrium, friction, entropies, moments of inertia, statics of rigid bodies, stresses, frames, machines, and cables.
The course provides basic engineering skills in mechanics.
necessary for analysis of structures and dynamics of rigid bodies. It is required for all engineering transfer degree programs. Prior completion of MATH 180 is required and PHYS 210 is required.

ENGR 214 Surveying 4 Credits Offered Fall Semester on Demand

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. It is required for transfer degrees in civil engineering and surveying and recommended for other engineering programs. This course includes one three-hour laboratory per week. Prior completion of MATH 155 or its equivalent is required.

ENGR 221 Dynamics of Rigid Bodies 3 Credits Offered Spring Semester

ENGR 221 is the study of kinematics and kinetics of particles and rigid bodies. Includes position, velocity, acceleration, relative velocity and acceleration, translation and rotation by Newton's 2nd Law, energy, and momentum methods, collision equations, and vibrations.

The course provides basic engineering skills that apply to all machines and other engineering bodies in motion. It is required for transfer degree programs in civil and mechanical engineering and recommended as an engineering science elective for other engineering programs. Prior completion of MATH 190 and ENGR 211 is required.

ENGR 233 Introduction to Engineering Design 3 Credits Offered Either Semester on Demand

Engineering 233 is a required class in engineering at the University of Idaho and Gonzaga University, as well as at most four-year engineering institutions. The class is taught in the sophomore year and is considered to be fundamental to any pre-engineering program. It combines numerical analysis skills with basic engineering applications using various computer software programs for analysis and presentation. The University of Idaho, as well as other universities, expect transferring engineering students to be proficient in the use of computer methods for use in junior level courses. Prior completion of ENGR 101 and MATH 180 or permission of instructor is required. Corequisite: CS 135 or 150, or permission of instructor.

ENGR 295 Strength of Materials 4 Credits Offered Spring Semester on Demand

ENGR 295 is the study of material strength, including elasticity, stress, strain, beam analysis, analysis of structural forms, deformation, modes of failure, and column analysis.

The course provides a basic understanding of how structures and machines should be designed to prevent failure. It is required for transfer degree programs in mechanical and civil engineering and is recommended for all other engineering programs. Prior completion of ENGR 211 and MATH 190 is required.

English

The Writing Center

The Writing Center, located in the Kildow Learning Center, is open 10-15 hours per week (scheduled hours may vary each semester). NIC students can drop in to receive professional assistance with their writing assignments. Experienced writing instructors are available to offer help in all areas of concern ranging from correct punctuation to word choice and organization. A student may come in once or use the center on an on-going basis all semester.

ENGL 045 Writer's Workshop 3 Credits Offered Each Semester

English 045 offers introductory instruction in grammar, sentence construction, and paragraph development. This class 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. Enrollment is recommended based on placement test results.

ENGL 095 Communication Skills 1 Credit Offered Either Semester

English 095 is a course designed specifically to meet the needs of certificate technical students. It focuses on the writing tasks students may encounter in the work force. The course introduces technical writing forms and strategies for approaching writing tasks relevant to the trade and industrial programs and also reinforces fundamentals of grammar and English mechanics. Enrollment is restricted to students enrolled in certificate technical programs.

ENGL 099 Fundamentals for Writing 3 Credits Offered Each Semester

Fundamentals for Writing is a course focusing on building sentence, paragraph, and basic essay skills. This class teaches some related language skills, such as dictionary use and spelling development.

English 099 positively influences college success by providing entry-level skills necessary to tackle required English composition courses. It is offered in traditional or lab classroom settings. English 099 may be taken on a graded or satisfactory/unsatisfactory basis. It will not fulfill A.A. or A.S. degree requirements, but it applies toward a certificate of completion and specified A.A.S. degree requirements. Enrollment is based on placement test results.

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ENGL 099A, 099B, 099C  
Fundamentals for Writing  
1 Credit each (3 credits)  
Offered Each Semester

These courses are the same as English 099, but are scheduled as three one-credit units that must be taken sequentially. The class is structured in a self-paced setting with each student working one-on-one with the instructor. The student must sign up at the beginning of the semester for three hours per week selected from the five hours the class is offered as listed on the semester schedule. Students may work with the instructor during Writing Center hours also.

ENGL 103  
English Composition  
3 Credits  
Offered Each Semester

English 103 provides students the opportunity to deal with any writing challenges which may be encountered in the future—in their job, personal life, or recreational activities. Students will learn to write strong, clear prose, and will learn to use words accurately and precisely; to write clear and direct sentences that follow conventional structure, grammar, and punctuation; to use paragraphs that show unity and coherence while developing one primary idea that relates directly to preceding and succeeding paragraphs; and to develop essays that focus on a central idea, develop the idea adequately, and show organization and unification.

This course is required for all degree programs. An appropriate placement test score and a satisfactory entry essay (written during the first class session) are required.

ENGL 104  
English Composition  
3 Credits  
Offered Each Semester

English 104 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 class helps provide techniques for conducting research in all areas of study. It is required for all transfer degree programs. Prior completion of ENGL 103 with a grade of C- or better and passing a minimal competency essay exam are required for enrollment.

ENGL 111  
Literature of Western Civilization  
3 Credits  
Offered Fall Semester

English 111 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 humanistic 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. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 112  
Literature of Western Civilization  
3 Credits  
Offered Spring Semester

English 112 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.

English 112 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. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 175  
Introduction to Literature  
3 Credits  
Offered Each Semester

Introduction to Literature surveys literature's many forms including essay, short story, poetry, and drama. This course focuses on literature as a primary vehicle for ideas and values.

This course 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. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 202  
Technical Writing  
3 Credits  
Offered Fall Semester

Technical Writing offers instruction in the writing skills applicable to business and industry. This class emphasizes factual information in the form of writing instructions and describing mechanisms and processes. It includes the fundamentals of composing memos, letters, and reports.

Technical Writing is designed for those interested in practical applications of technical writing principles. This class is required for some occupational programs and is a useful general elective for all programs in science and technology. Prior completion of ENGL 099 and sophomore standing or permission of instructor are required. Prior completion of ENGL 103 with a grade of C- or better is recommended.

ENGL 204A  
Writing a Personal Family History  
(Same as HIST 204A)  
3 Credits  
Offered on Demand

English 204A offers instruction for the beginning or experienced student in researching and writing a personal or family history. This course focuses on the use of oral history, family folklore, genealogical research in private and public records, and techniques to make the writing interesting. It includes field trips to major archives.

This course helps the student develop research and writing skills while pursuing a project of great personal value. It is recommended for history and English students as a way to put theories into actual practice. Participation without submitting research and writing for evaluation is possible by enrolling for zero credit. Prior completion of ENGL 103 with a grade of C- or better is advisable.
ENGL 204B  Modern Writers and What They Are Saying
3 Credits  Offered on Demand

English 204B provides a study of fiction, poetry, drama, essays, and other formative documents from 1940 to the present. It includes works of major American and European authors. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 204C  Modern Writers and What They Are Saying
3 Credits  Offered on Demand

English 204C provides a study of fiction, drama, poetry, and formative documents from 1940 to the present period. It includes the works of Malamud, Williams, Thomas, Camus, Plath, and others. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 205  Interdisciplinary Writing
3 Credits  Offered Each Semester

This course builds on writing skills gained from ENGL 103 and ENGL 104. In addition, the course enables students to make connections among many disciplines, including a choice of art, mythology, poetry, architecture, music, culture, travel, nature, science, theater, autobiography, and biography. Emphasis is placed on the student's own writing of essays and explications based on the 5-step critical thinking method.

This course encourages applied writing through projects in each student's field of study. It also encourages students to practice and to learn to apply the steps in the writing process: prewriting, arrangement, revision, and editing. Prior completion of ENGL 103 and ENGL 104 with a grade of C- or better is required.

ENGL 216  Mythology
3 Credits  Offered Spring Semester

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 it 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. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 267  Survey of English Literature
3 Credits  Offered Fall Semester

English 267 is a study of historical documents, poetry, fiction, drama, and essays illustrating the development of English literature from the Anglo-Saxon period through the Eighteenth Century.

This course enhances cultural literacy and awareness of pertinent issues in the humanities. It satisfies an arts and humanities course requirement for the A.A., A.S., and most transfer degrees. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 268  Survey of English Literature
3 Credits  Offered Spring Semester

English 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. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 272  Business Writing
3 Credits  Offered Each Semester

Business Writing offers instruction in the practical application of business writing principles. This course includes business writing strategies for memos, letters, and reports. It emphasizes audience analysis, content planning, language effectiveness, and message layout.

English 272 helps develop the writing skills necessary for effective business communication. It is required for some business and business-related programs. A working knowledge of correct grammar and a satisfactory score on the English Placement Test are essential. Prior completion of ENGL 103 with a grade of C- or better is recommended.

ENGL 277  Survey of American Literature
3 Credits  Offered Fall Semester

English 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. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 278  Survey of American Literature
3 Credits  Offered Spring Semester

English 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. Prior completion of ENGL 103 with a grade of C- or better is required.

ENGL 291  Creative Writing I
3 Credits  Offered Fall Semester

English 291 introduces the principles and techniques of poetry writing, examined through exercises and discussions of student and professional writing. Exact content will depend on student preference.

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. Prior completion of ENGL 103 with a grade of C- or better is required.

continued...
ENGL 292       Creative Writing II
3 Credits     Offered Spring Semester

English 292 introduces the principles and techniques of fiction and non-fiction writing, examined through exercises and discussions of student and professional writing. The exact content of the course will depend on student preference.

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. Prior completion of ENGL 103 with a grade of C- or better is required.

English as a Second Language

ESL 090       ESL Conversant Program
1-2 Credits    Offered On Demand

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.

ESL 100       ESL Grammar and Structure
4 Credits     Offered On Demand

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. It is designed for students whose native language is not English. Students must have earned a minimum score of 500 on the Test of English as a Foreign Language (TOEFL). The course may be repeated for a total of eight credits. Placement is determined by instructor.

ESL 101       ESL Composition
3 Credits     Offered On Demand

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 determined by instructor.

Environmental Science

ENSI 119     Introduction to Environmental Science
3 Credits     Offered Both Semester

The content of this course may vary somewhat with class interest, current world affairs, and instructors. The topics covered generally include a wide range of issues, including pollution, hazardous chemicals, resource and energy crises, nuclear energy and radiation, population, world food supply, food additives, and environmental ethics. This course satisfies a laboratory science course requirement for the A.S. degree if enrollment includes the accompanying lab. Prior completion of Math 030 or its equivalent is strongly recommended.

ENSI 120     Introduction to Environmental Science Lab
1 Credit      Offered Both Semester

This laboratory accompanies Environmental Science 119 and involves two 2-hour laboratory per week. Some Saturday field trips may be required. Prior completion of Math 030 or its equivalent is strongly recommended.

Foreign Language

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 get 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.

FLAN 106     Collaborative Cultural Exchange Program
1-2 Credits    Offered Either Semester

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.

FLAN 207     Contemporary World Cultures
3 Credits     Offered Each Semester

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 studies. 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. Prior completion of other courses is not necessary.

FREN 101 Elementary French I
4 Credits
Offered Fall Semester

The first semester of Elementary French is designed for students with no previous language study. This course provides training in the acquisition and application of basic language skills and culture. A laboratory is included in the course.

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. Prior completion of other courses is not required.

FREN 102 Elementary French II
4 Credits
Offered Spring Semester

This course is the second semester of Elementary French. Elementary French II continues training in the acquisition and application of basic language skills and culture. A laboratory is included in the course.

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. Prior completion of FREN 101 with a grade of C- or better is required.

FREN 103 French Language Laboratory
1 Credit
Offered Each Semester

The French language lab provides individualized, self-paced practice in listening comprehension, pronunciation, and grammatical structure through use of an audio-laboratory facility. The lab assists development of language fluency through additional practice. The lab is an elective supplement to classroom studies and is graded on a satisfactory/unsatisfactory basis. It may be repeated for total of two credits.

FREN 104 Conversation Course: Open Door to French Level I
2 Credits
Offered Each Semester

This course emphasizes conversation skills, contemporary language, and culture. Its content is designed to meet the professional or leisure linguistic needs of the community. Prior completion of other courses is not required.

FREN 105 Conversation Course: Open Door to French Level II
2 Credits
Offered Each Semester

FREN 105 is a continuation of FREN 104. This course is designed to meet the linguistic needs of the community. Prior completion of FREN 104 with a grade of C- or better is required.

FREN 201 Intermediate French I
4 Credits
Offered Fall Semester

Intermediate French provides training in the acquisition and application of basic language skills and culture. A laboratory is included in the course. 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. Prior completion of FREN 102, its equivalent, or permission of the instructor is required.

FREN 202 Intermediate French II
4 Credits
Offered Spring Semester

The second semester of Intermediate French provides additional training in the acquisition and application of basic language skills and culture. A laboratory is included in the course.

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. Prior completion of FREN 201 with a grade of C- or better is required.

GERM 121 Elementary German I
4 Credits
Offered Fall Semester

The first semester of Elementary German is designed for students with no previous language study. This course provides training in the acquisition and application of basic language skills and culture. A laboratory is included in the course.

Successful completion of GERM 121 and GERM 122 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. Prior completion of other courses is not required.

GERM 122 Elementary German II
4 Credits
Offered Spring Semester

This course is the second semester of Elementary German and continues training in the acquisition and application of basic language skills and culture. A laboratory is included in the course.

Completion of this course provides the required skills for intermediate level courses which satisfy the cultural diversity requirement for the A.A. degree or one of the arts and humanities requirements for the A.S. degree. Prior completion of GERM 121 with a grade of C- is required.

GERM 123 German Language Laboratory
1 Credit
Offered Each Semester

The German Language Laboratory provides individualized, self-paced practice in listening comprehension, pronunciation, and grammatical structure through the use of an audio-laboratory facility.

It assists development of language fluency through additional practice in the language and is an elective supplement to classroom studies. This course is graded on a satisfactory/unsatisfactory basis. It may be repeated for a total of two credits.

continued...
GERM 124  Conversation Course: Open Door to German Level I  
2 Credits  Offered Each Semester
This course emphasizes conversation skills, contemporary language, and culture. Its content is designed to meet the professional or leisure linguistic needs of the community. Prior completion of other courses is not required.

GERM 125  Conversation Course: Open Door to German Level II  
2 Credits  Offered Each Semester
German 125 is a continuation of GERM 124. This course is designed to meet the linguistic needs of community. Prior completion of GERM 124 with a grade of C- or better is required.

GERM 221  Intermediate German I  
4 Credits  Offered Fall Semester
Intermediate German provides training in the acquisition and application of basic language skills and culture. A laboratory is included in the course.

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. Prior completion of GERM 122, its equivalent, or permission of the instructor is required.

GERM 222  Intermediate German II  
4 Credits  Offered Spring Semester
The second semester of Intermediate German provides additional training in the acquisition and application of basic language skills and culture. A laboratory is included in the course.

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. Prior completion of GERM 221 with a grade of C- or better is required.

JAPA 123  Conversation Course: Open Door to Japanese Level I  
2 Credits  Offered Fall Semester
This introductory course is designed for students who wish to learn elementary communication skills in Japanese. Subjects discussed include travelling, food, lodging, shopping, and customs. Students will gain practical conversation skills and become familiar with cultural differences likely to be encountered in Japan.

JAPA 124  Conversation Course: Open Door to Japanese Level I  
2 Credits  Offered Spring Semester
This course is a continuation of Japanese 123. Prior completion of Japanese 123 with a grade of C- or better is required.

SPAN 181  Elementary Spanish I  
4 Credits  Offered Fall Semester
This introductory course in Spanish language is based on the study of vocabulary, grammar, and pronunciation. It emphasizes the development of proficiencies in speaking, reading, listening, and writing.

Students will enhance their understanding of the language, culture, and geography of the Hispanic world. A laboratory is included in the course. Prior completion of other courses is not required.

SPAN 182  Elementary Spanish II  
4 Credits  Offered Spring Semester
This course is a continuation of SPAN 181, emphasizing further development of basic language fluency. A laboratory is included in the course. Prior completion of SPAN 181 with a grade of C- or better is required.

SPAN 183  Spanish Language Lab  
1 Credit  Offered Each Semester
This course is an independent language study for students who plan to enter a more advanced course or who have taken all available language courses. It may be repeated for a total of two credits and is graded on a satisfactory/unsatisfactory basis.

This lab allows students to develop listening and oral skills and gain additional practice for language fluency. Permission of the instructor is required for enrollment.

SPAN 184  Conversation Course: Open Door to Spanish Level I  
2 Credits  Offered Each Semester
This introductory course is designed for students who wish to learn elementary communication skills in Spanish. Subjects discussed include travelling, food, lodging, and shopping.

Students will gain practical conversation skills and become familiar with cultural differences likely to be encountered in the Hispanic world.

SPAN 185  Conversation Course: Open Door to Spanish Level II  
2 Credits  Offered Each Semester
This course is a continuation of SPAN 184. Prior completion of SPAN 184 with a grade of C- or better is required.

SPAN 281  Intermediate Spanish I  
4 Credits  Offered Fall Semester
Intermediate Spanish further develops Spanish fluency with an emphasis on conversation, reading, grammar, and composition. The culture and literature of Spain and Latin America are also examined.

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. Prior completion of SPAN 182 or an appropriate language placement test score is required.

SPAN 282 Intermediate Spanish II
4 Credits Offered Spring Semester

Spanish 282 is a continuation of SPAN 281. This course has the same degree applications as SPAN 281. Laboratory work is included. Prior completion of SPAN 281 with a grade of C- or better is required.

**Geology**

GEOL 101 Physical Geology
3 Credits Offered Each Semester

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 102 is recommended. In combination with GEOL 102, this course satisfies a laboratory science course requirement for the A.S. and A.A. degrees. Prior completion of other courses is not required.

GEOL 102 Physical Geology Laboratory
1 Credit Offered Each Semester

The Physical Geology Laboratory provides an introduction to the description, identification, and classification of common minerals and rocks. It focuses on the study of topographic landforms through applications of map reading skills and the utilization of topographic maps. Also included are field trips to observe real-world phenomena related to lab exercises.

Concurrent enrollment in GEOL 101 is recommended. In combination with GEOL 101, this course satisfies a laboratory science course requirement for the A.S. and A.A. degrees. It consists of one 2-hour session per week. Prior completion of other courses is not necessary.

GEOL 106 Historical Geology
3 Credits Offered Fall Semester

Historical Geology 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.

Geology 106 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. The course satisfies a laboratory science requirement for the A.S. degree. Previous or concurrent enrollment in GEOL 101 is helpful. Concurrent enrollment in GEOL 107 is required.

continued...
GEOL 107  Historical Geology Lab 1 Credit  Offered Fall Semester

This course provides supporting lab work for GEOL 106 and includes related field trips. Concurrent enrollment in GEOL 106 is required.

GEOL 123  Geology of Idaho and the Pacific Northwest 3-4 Credits  Offered on Demand

Geology 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. Prior or concurrent enrollment in GEOL 101 is recommended.

GEOL 255  Systematic Mineralogy 4 Credits  Offered Spring Semester on Demand

Systematic Mineralogy studies the classification and determination of minerals by physical, chemical, and crystallographic 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 will include hands-on testing and identification of mineral samples and field trips to significant mineral locations.

Students learn to recognize and identify many important ore and industrial minerals, while gaining an enhanced appreciation for the application of mineral resources to everyday life. Some background in chemistry is helpful. Prior completion of GEOL 101 and 102 is required.

HVAC 152  Advanced Refrigeration & Electricity Theory 1 Credit  Offered Fall Semester

HVAC 152 covers advanced electricity and basic control wiring for the refrigeration and air conditioning industry.

HVAC 152L  Advanced Refrigeration & Electricity Lab 5 Credits  Offered Fall Semester

HVAC 152L is an introduction to electricity as it relates to the air conditioning and refrigeration industry. Instruction focuses on electrical circuits, symbols, wiring practices, and interpreting schematic wiring diagrams.

HVAC 153  Comfort Heating Theory 1 Credit  Offered Spring Semester

HVAC 153 is an introduction to electricity's relationship to heating and air conditioning systems. Students should have a basic knowledge of heat transfer and control wiring or approval of the instructor.

HVAC 153L  Comfort Heating Lab 5 Credits  Offered Spring Semester

At the conclusion of this course, students should have the knowledge and understanding of the following: psychometric charts and why they are used; oil furnaces and gas heating furnaces with add-on air conditioning units; electric heating furnaces; heat pump units with electric heating units; and safety procedures.

HVAC 154  Industrial & Commercial Refrigeration Theory 1 Credit  Offered Spring Semester

HVAC 154 is an introduction to light commercial refrigeration and air conditioning. Students will study the commercial refrigeration air conditioning cycles.

Students should have a background in refrigeration and control wiring, pass a prerequisite exam, or have the approval of the instructor.

HVAC 154L  Industrial & Commercial Refrigeration Lab 5 Credits  Offered Spring Semester

HVAC 154L focuses on types of commercial refrigeration, air conditioning and ice machines; the use of psychometric charts, and the computation of heat gain and product load for commercial systems. Safety procedures are emphasized.

History

HIST 101  History of Civilization to 1500 3 Credits  Offered Each Semester

History 101 explores important chapters of the human past from the earliest civilizations through the middle ages. It focuses on Western cultures which have most influenced ours: Hebrew, Greek, Roman, barbarian, and medieval European. The course considers how people, ideas, and events are interconnected across such broad-ranging fields as politics, religion, social movements, technology, and the arts.

History of Civilization is recommended for all 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. Previous successful completion of, or concurrent
enrollment in, English 103 is required. Good reading skills are
recommended.

HIST 102 History of Civilization Since 1500
3 Credits Offered Each Semester

History 102 explores human society's development and
variety from the Renaissance to today, focusing on Western
culture. It examines such world-changing events and ideas
as the reformation and the age of discovery, the scientific
revolution and enlightenment, the rise of nationalism and
world war, technological change and "future shock." Students
will consider how the past affects the present and
future.

History of Civilization is recommended for any liberal
arts program and is required for many degrees and majors.
It provides an excellent opportunity for students to discover
how all fields of knowledge fit together into a big picture.
It meets a social science requirement for A.A. and A.S.
degrees. Previous successful completion of, or concurrent
enrollment in, English 103 is required. Previous completion
of HIST 101 is not required. Good reading skills are highly
recommended.

HIST 111 United States History: Discovery Through
the Civil War
3 Credits Offered Each Semester

History 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 the Civil War. Attention is focused on differing historical interpretations, and on themes which illuminate
current events.

U.S. History serves as partial fulfillment of the social
science requirement for A.A. and A.S. degrees, and is
transferable to regional four year colleges. Successful
completion of the English and reading proficiency
examinations is strongly recommended. Student
participation in discussion is expected. No course
prerequisite.

HIST 112 United States History: Reconstruction
3 Credits Offered Each Semester

History 112 offers a broad chronological overview of
U.S. History which deals with political, economic, social,
and cultural development from the end of the Civil War
through the present. Attention is focused on differing historical interpretations, and on themes which illuminate
current events.

U.S. History fulfills a social science requirement for A.A.
and A.S. degrees, and is transferable to regional four year
colleges. Successful completion of the English and reading proficiency examinations is strongly recommended. Student
participation in discussion is expected. No course
prerequisite.

HIST 204A Writing a Personal Family History
(Same as ENGL 204A)
3 Credits Offered Spring Semester

History 204A assists any student, beginner or experienced,
in researching and writing a personal family history.
Students learn to use Oral History, family folklore, genealogical
research in private and public records, and techniques to
make writing interesting. Included are field trips to major
archives.

Writing a Personal Family History provides an excellent
opportunity to develop research and writing skills while
pursuing a project of great personal value. This elective
is recommended for history and English majors and minors as
a way to put theory into practice. No research experience
is required, but English 103 level writing skills are advised.
Those who wish to participate without submitting research
writing for evaluation should take the course for zero
credit. Prior completion of other courses is not necessary.

HIST 204B Oral History Research
3 Credits Offered on Demand

Oral History Research uses audio or video tape to record
the first-hand experiences and knowledge of men and
women who have helped shape North Idaho history. Each
student will choose a topic of special interest and prepare
a series of interviews to be preserved for the future in the
regional oral history archive housed in the NIC library.

History 204B provides guided practice in one of today's
historians most indispensable research techniques, as well
as a chance to make a significant contribution to the
community. This transferable elective is recommended for
history majors, future teachers, and those with an interest in
preserving local history.

Students should either purchase or borrow an audio cassette tape
recorder or video camcorder with a microphone and
furnish their own blank tapes. Prior completion of other
courses is not required.

Humanities

HUMN 101 Montage: Introduction to the Humanities
3 Credits Offered Spring Semester

This course explores how the humanities, through many
varied types of creative works, comment on human
experience 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 the works being explored.

Humanities 101 provides a good foundation for further
humanities study in courses focusing on one particular field
such as literature, philosophy, or one of 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.
This course fulfills an arts and humanities requirement for
the A.A. and the A.S. degrees. Prior completion of, or
concurrent enrollment in, ENGL 103 is required.
Human Services

NOTE: Application and acceptance into the Human Services AAS degree program is required before enrolling in courses numbered 220 or above.

HSS 101 Introduction to Human Services
2 Credits Offered Fall Semester
(Formerly MLTH 101)

This course defines and describes the history of human services. Agencies, institutions, and programs which help meet human services needs are studied in the broad context of social and political systems. Various human service worker roles are explored with emphasis on the mental health technician. Concurrent enrollment in ALTH 101 is required.

HSS 102 Introduction to Human Services Lab
1 Credit Offered Fall Semester, Odd Years
(Formerly MLTH 101; same as ALTH 102)

This weekly three-hour lab course provides the student an opportunity to explore health careers that may of be interest. It assists the student to develop beginning observation, recording, and reporting skills based on their selected field exploration areas. Students will conduct health care provider interviews and participate in on-the-job shadowing experiences. This is a required course for students interested in applying for the Mental Health Technician Certificate and/or the Human Services Associate of Applied Science program. All students who have a sincere interest in exploring health and human services career options are welcome. Concurrent enrollment in HSS 101 is required.

HSS 108 Helping Skills Lab
1 Credit Offered Spring Semester, Odd Years

This course provides the student with an overview of a problem-management model of helping and opportunities to practice a variety of therapeutic approaches and strategies. Prior completion of COMG 101, COMG 233, HSS 102, PSYC 100 is required.

HSS 220 Crisis Intervention
3 Credits Offered Fall Semester, Odd Years
(Formerly MLTH 201)

This course provides an introduction and overview of crisis theory and management. It will assist Human Services students in developing the necessary skills and attitudes appropriate for working with individuals and families in crisis. Prerequisite: Admission Into the Human Services program.

HSS 221 Human Services Field Experience and Seminar I
5 Credits Offered Fall Semester, Odd Years
(Formerly MLTH 201)

Students obtain on-the-job training in selected human services settings. Helping and problem management principles are applied under agency supervision. Weekly on-campus seminars provide opportunities for students to share experiences, debrief, and obtain faculty assistance in applying classroom concepts to the field experience. Prior completion or concurrent enrollment in HSS 220 is required.

HSS 230 Case Management and Human Services
3 Credits Offered Spring Semester, Even Years
(Formerly MLTH 202)

This course provides the student with the knowledge and skills required to perform case management services with clients in a variety of program settings. Discusses the case manager's role in the service of the client, ensuring to the maximum extent possible, that the client has access to, and receives all resources and services which can help the client reach and maintain his optimal level of functioning. Case management standards, responsibilities and obligations will be incorporated. Prior completion of HSS 220 is required.

HSS 231 Advanced Mental Health Technician and Seminar
5 Credits Offered Spring Semester, Even Years
(Formerly MLTH 202)

This practicum experience provides students the opportunity to apply previous and current course concepts to individual clients and groups in an area of special interest to the student. Weekly on-campus seminars provide opportunities for students to share experiences, debrief, and obtain faculty assistance in applying classroom concepts to the field experience. Prior completion of HSS 220 and concurrent enrollment in HSS 230 are required.

Journalism

COMJ 100 Sentinel (NIC Newspaper) Staff
1-2 Credits Offered Each Semester

This course provides practical training and application of journalism theory and techniques. Students are considered as staff members of The Sentinel, the NIC student newspaper. Students work in a variety of positions corresponding to those in a professional journalistic organization.

Sentinel staff students learn the practical workings of a newspaper, including reporting, editing, design, layout, paste-up, computer-based technologies, and advertising. Writing and design projects contribute to the student's portfolio and provide the basis for refining journalistic skills supporting career development. The course may be repeated for a total of ten credits. Prior completion or concurrent enrollment in COMJ 121 or permission of Instructor is required.

COMJ 121 News Writing
3 Credits Offered Fall Semester

This course provides an introduction to the principles of news writing, focusing on organization and writing methods for news media. Students develop news stories in lab and outside of class.

Mastering the basics of news writing, students will improve their abilities to participate as members of communications
COURSE DESCRIPTIONS

Law Enforcement

NOTE: Application and acceptance into the sophomore Law Enforcement block is required before enrolling in courses numbered 200 and above.

LAWE 103 Introduction to Criminal Justice
3 Credits Offered Either Semester
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.

LAWE 219 Self Defense
3 Credits Offered Either Semester
This course covers the use of force, baton training, pepper spray training, handcuffing techniques, people searches, firearms liability, safety, inspection and maintenance, basic marksmanship, day and night range practice, and handgun and shotgun qualifications. Classroom and hands-on training in above areas are integral to this course. Students must demonstrate skills taught and qualify for Idaho POST standards with firearms.

LAWE 220 Basic Police Law
2 Credits Offered Either Semester
This course is the study of basic police law as it relates to the U.S. Constitution, the Idaho Codes, liquor laws, rules of evidence, criminal law, arrest, search and seizure, traffic code, and Idaho Fish and Game Laws. When they have completed the course, students will be able to determine traffic offenses, criminal offenses, probable cause for arrest and how to process cases.

LAWE 221 Professional Orientation
1 Credit Offered Either Semester
This course studies the human dimensions of the police profession including standards for police ethics and professionalism, media relations, crime prevention and human relations.

LAWE 222 Police Procedures
2 Credits Offered Either Semester
This course teaches fundamental patrol skills such as searching buildings, operating emergency vehicles, and writing reports. Also examined are jail procedures, communication methods, officer survival, courtroom demeanor, and courtroom testifying.

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LAWE 223  
Patrol Procedures  
1 Credit  
Offered Either Semester  
This course teaches patrol procedures and techniques for crimes in progress including responding to armed robberies, low-risk, high-risk, and felony traffic stops, prowler calls, hostage situations, and domestic disputes.

LAWE 224  
Practical Problems  
1 Credit  
Offered Either Semester  
The course provides an opportunity for the student to demonstrate and utilize classroom skills in simulations and exercises in the following areas: crime scene investigation, search warrant exercise, traffic stops, arrest situations, and domestic disputes.

LAWE 225  
Investigations  
3 Credits  
Offered Either Semester  
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. Techniques and procedures explored include drug identification, protection of crime scenes, collecting evidence, fingerprinting, interviewing, notification and interrogation.

LAWE 226  
Enforcement Skills  
1 Credit  
Offered Either Semester  
This course provides hands-on training in handgun retention, arrest and control techniques, and handling hazardous materials.

LAWE 227  
First Aid for Police  
1 Credit  
Offered Either Semester  
Police officers are often first responders to situations involving medical emergencies. Students will learn first responder techniques including cardiopulmonary resuscitation (CPR) and trauma treatment.

LAWE 228  
Police Physical Fitness  
1 Credit  
Offered Either Semester  
This course provides physical health and conditioning methods for Law Enforcement students. Included are work on agility, flexibility, and conditioning. Students must pass the Idaho POST Physical Fitness Test.

LAWE 290  
Law Enforcement Theory  
3 Credits  
Offered Either Semester  
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. Prior completion of LAWE 219-228 is required.

LAWE 293  
Law Enforcement Internship  
11-14 Credits  
Offered Either Semester  
A structured internship experience within local 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 and is evaluated on a daily basis in accordance with the agency's established training policies for new officers. The student will be expected to participate in the enforcement activities being performed by the supervising officer. Prior completion of LAWE 219-228 is required.

LIBS 120  
Library Skills  
1 Credit  
Offered Each Semester  
Library Skills provides instruction in the use of the public catalog, periodical indexes, reference works, library classification systems, and basic research techniques. Students are introduced to a variety of services and resources offered by libraries that are essential to most college programs. Prior completion of other courses is not required.

MACH 151  
Machining Technology Theory I  
4 Credits  
Offered Fall Semester  
This basic course consists of the following: measuring instruments and their use, hand tools, knowledge of operating machine sections, cutting tools and machine set-up for lathe, the components of a milling machine, and safety and machining preparation. Machining Technology Theory is necessary for the safe, efficient operation of machinery. Basic tool practices and machinist reference books are required.

MACH 151L  
Machining Technology Laboratory I  
7 Credits  
Offered Fall Semester  
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 152  
Machining Technology Theory II  
4 Credits  
Offered Spring Semester  
Machining Technology Theory II is a continuation of MACH 151. It includes sawing, drilling, grinding, heat treating, and new technology machining. The course is necessary for the safe, efficient operation of machinery.

MACH 152L  
Machining Technology Laboratory II  
6 Credits  
Offered Spring Semester  
This lab is a continuation of MACH 151L. Students continue to progress through different machines and methods with their projects. Students also are given varied outside work to improve machining skills. Skills learned in theory sessions are transferred to the shop projects.
MACH 171  
Blueprint Reading I  
2 Credits  
Offered Fall Semester  
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  
4 Credits  
Offered Spring Semester  
Blueprint Reading is a continuation of MACH 171. Students learn to interpret increasingly difficult prints and geometric tolerance prints.

MACH 253L  
Advanced Machining Laboratory I  
8 Credits  
Offered Fall Semester  
This course teaches hands-on use of advanced machine tools and equipment. The student will become familiar with precision grinders, advanced milling, advanced grinding, and computer numerical control (CNC) machine tools, and computer aided drafting - computer aided machinery (CAD-CAM). Prior completion of MACH 151L and MACH 152L is required.

MACH 254L  
Advanced Machining Laboratory II  
7 Credits  
Offered Spring Semester  
This course involves hands-on experience under work-like conditions and in-depth CNC projects. Students will learn to make parts and complete repairs according to customer specifications with a minimum of supervision. Upon successful completion of this course, students should have the necessary skills to be employed as an entry-level machinist. Prior completion of MACH 253L is required.

MACH 273  
Advanced Blueprint Reading  
4 Credits  
Offered Fall Semester  
Students learn interpretation of advanced blueprints and drawings. This course includes complex and datum dimensioning as well as making sketches and working drawings. Advanced Blueprint Reading is necessary if students are to accomplish the projects and tasks given in the lab or work place. It will enable students to interpret nearly any type of print or drawing with which they may come in contact. Prior completion of MACH 171 is required.

MACH 274  
Advanced Blueprint Reading II  
2 Credits  
Offered Spring Semester  
This course is a reinforcement and application of skills attained in MACH 273. The student will also be introduced to complex CAD drawing and part programming using CAM. The student will be required to make sketches from parts and write material lists and job list requirements. Students will be able to recognize Datum Dimensional drawings and identify the symbols used. Inspection of parts and statistical production control methods are introduced. Prior completion of MACH 273 is required.

MACH 283  
Computer Numerical Control Theory I  
4 Credits  
Offered Fall Semester  
This course is an introduction to the standard practices and methods of CNC machines and controls. Students will become familiar with accepted practices in the use, programming, and setup of modern CNC machine tools. Prior completion of MACH 151, MACH 151L, MACH 152L, MACH 171, and MACH 172 is required.

MACH 284  
Computer Numerical Control Theory II  
4 Credits  
Offered Spring Semester  
This course deals with the manual programming of CNC machine tools and helps the student understand the different types of machine languages. Students will write CNC code using the standard RS 274 format including fixed cycles and subroutines. Students will use the CAM system for controlling and programming machine tools. Prior completion of MACH 283 is required.

Maintenance Mechanic/Millwright

Note: Course enrollment requires prior acceptance into the Maintenance Mechanic/Millwright Program.

MM 151  
Maintenance Mechanic Theory I  
4 Credits  
Offered Fall Semester  
Maintenance Mechanics Theory is an introduction to the principles of oxyacetylene and arc welding; hand, power, precision measuring tools; threading systems and fasteners; industrial materials; safe rigging practices; mechanical drive systems; and equipment installation and alignment.

MM 151L  
Maintenance Mechanic Laboratory I  
6 Credits  
Offered Fall Semester  
Maintenance Mechanic Lab applies the skills learned in MM 151L, 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  
3 Credits  
Offered Spring Semester  
Maintenance Mechanic Theory II provides instruction in the technical skills required in the safe use of GMAW & 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  
6 Credits  
Offered Spring Semester  
This laboratory applies the skills learned in MM 152 including exercises in: GMAW (wirefeed) and GTAW (TIG)
welding, coupling alignment and maintenance, bearing maintenance, pipe fitting, electric motor and control maintenance, and pump maintenance. Exercises in hydraulics, components and troubleshooting areas also included. Prior completion of MM 151 and MM 151L with a grade of C- or better is required.

**MM 153**  
3 Credits  
Offered Summer Session  
Maintenance Mechanic Theory III

This course continues instruction in safety, welding, and industrial mechanic skills, including flat pattern layout, sheet metal, conveyor systems, compressors, and specialty maintenance welding. Prior completion of MM 152 with a grade of C- or better is required.

**MM 153L**  
5 Credits  
Offered Summer Session  
Maintenance Mechanic Laboratory III

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 151L with a grade of C- or better is required.

**MM 155**  
2 Credits  
Offered Fall Semester  
Blueprint Reading

This course provides the maintenance mechanic/millwright with the necessary skills to understand industrial blueprints. Students will learn to read and understand title blocks, bills of materials, dimensions and notes, welding symbols, orthographic projection, auxiliary views, and section views.

**MM 156**  
3 Credits  
Offered Spring Semester  
Hydraulics

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 052L.

**MM 062**  
2 Credits  
Offered Spring Semester  
Shop Math

Students study the skills necessary to solve practical problems using areas, volumes, weights or materials, and basic trigonometry. The effective maintenance mechanic/millwright requires competence in these math skills.

**Marine Mechanics**

Note: Course enrollment requires prior acceptance into the Marine Mechanics Program.

**MART 151**  
1 Credit  
Offered Block 1  
Electrical Theory/4-Cycle

MART 151 includes the study of four-cycle electrical, carburetor, and ignition systems as well as engine maintenance, diagnosis, and repair. This course is critical to job placement in the marine mechanic trade.

**MART 151L**  
3 Credits  
Offered Block 1  
Marine Mechanic Laboratory I

The laboratory applies the concepts studied in MART 151. It prepares the student for work as an entry-level mechanic in the marine mechanic trade.

**MART 152**  
2 Credits  
Offered Fall Semester  
Trim/Fuel and Cooling 4-Cycle Systems

This course covers hydraulic systems, trim and tilts, cooling systems, and basic rigging of boats and trailers.

**MART 152L**  
6 Credits  
Offered Fall Semester  
Marine Mechanic Laboratory II

The laboratory applies the concepts studied in MART 152.

**MART 153**  
2 Credits  
Offered Fall Semester  
Gearcase/Shift Systems (4-Cycle)

This course covers power train and gearcase theory.

**MART 153L**  
6 Credits  
Offered Fall Semester  
Marine Mechanic Laboratory III

This laboratory applies the concepts studied in MART 153.

**MART 154**  
2 Credits  
Offered Spring Semester  
Two-Cycle/50 HP and Smaller

Two-cycle electrical, carburetor, and ignition systems as well as engine maintenance, diagnosis, and repair for 50 HP or smaller will be studied.

**MART 154L**  
6 Credits  
Offered Spring Semester  
Marine Mechanic Laboratory IV

This laboratory applies the concepts studied in MART 154.

**MART 155**  
2 Credits  
Offered Spring Semester  
Two-Cycle/50 HP and Larger

Two-cycle electrical, carburetor, and ignition systems as well as engine maintenance, diagnosis, and repair for 50 HP or larger will be studied.

**MART 155L**  
5 Credits  
Offered Spring Semester  
Marine Mechanic Laboratory V

This laboratory applies the concepts studied in MART 155.

**MART 178**  
1 Credit  
Offered Block 5  
Computer Applications Laboratory

This course teaches basic keyboard skills and the use of terminology will be stressed. Specialized computers and software used for inventory within the marine mechanics trade will be studied.
**Mathematics**

**MATH 020**  
3 Credits  
Basic Mathematics  
Offered Each Semester

*MATH 020* is an introduction to operations in the arithmetic of whole numbers, fractions, ratio and proportion, decimals, percents, positive and negative integers, and geometry. The course format includes informal lecture with instructor assistance in a lab setting.  

Students are assisted in developing arithmetic proficiency in basic computational skill areas required for pre-college level math courses. Prior completion of other courses is not necessary. Students must complete the mathematics placement test to determine appropriate enrollment in preparatory course sequence.

**MATH 030**  
3 Credits  
Elementary Algebra  
Offered Each Semester

*MATH 030* is an introduction to mathematical concepts dealing with signed numbers, variables, polynomials, factoring, and solving and graphing first 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. Prior completion of MATH 020 or its equivalent (expertise with whole numbers, fractions, decimals and percents) is required.

**MATH 035**  
3 Credits  
Technical Mathematics  
Offered Fall Semester

Technical Mathematics is designed as a basic mathematics 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 the course. All sections will review fractions, decimals, percents, ratios and proportions, and continue to calculator usage, signed numbers, evaluating formulas, equation solving, geometry and metric system. Trigonometry will also be introduced when appropriate. Enrollment is based on placement test results.

**MATH 075**  
3 Credits  
Geometry for the College Student  
Offered Every Third Semester  
(Spring 94, Fall 95, Spring 97)

This course presents geometry as an axiomatic system with the aim of enabling students to understand the role of proof in mathematical systems, to apply the rules of geometry in concrete situations, and to prepare for continued mathematical growth. This course is recommended to those students who intend to study pre-calculus and whose background in geometry is inadequate. This course does not fulfill degree requirements. Prior completion of MATH 030 with a grade of C+ or better or its equivalent is required.

**MATH 097**  
1 Credit  
Computational Skills  
Offered Fall Semester

Instruction in fractions, decimals, percents, ratios and proportions, measurement and formulas with emphasis on practical application to specific programs.

**MATH 101**  
Intermediate Algebra (formerly Math 040)  
4 Credits  
Offered Each Semester

*MATH 101* continues development of mathematical concepts beyond MATH 030 or first year high school algebra. It includes second degree equations, algebraic fractions, 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. It will not fulfill degree requirements. Enrollment is based on placement test results. Successful completion of MATH 030 with a grade of C+ or better or its equivalent is required. This course does not fulfill the math requirement for the A.A. or A.S. degrees.

**MATH 115**  
4 Credits  
Finite Mathematics  
Offered Each Semester

*MATH 115* is the study of solutions to systems of linear equations and inequalities, linear programming, sets, counting techniques, probability, and elementary concepts of statistics. It emphasizes the practical applications of these skills. 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. and A.A. degrees and is often required for transfer business degrees. Successful completion of two years of high school algebra and an appropriate score on the placement test or prior completion of MATH 101 is required.

**MATH 120**  
3 Credits  
Contemporary Mathematics  
Offered Each Semester

*MATH 120* explores the application of mathematics to solve various greater understanding of diverse contemporary problems. It includes management science (networks, critical path analysis, and linear programming), a wide variety of topics with social and political impact (voting theory, apportionment, Banzhaf power index, game theory, growth patterns, population growth, and sustainable yields), and geometry (symmetries, indirect measurement, and scaling). The integral use of a video series will complement the textbook.

This course will help students gain practical insights into the important role of mathematics in the world around us. It is designed primarily for degree programs requiring little college-level mathematics and satisfies the mathematics requirement for the A.A. and A.S. degrees. Successful completion of two years of high school algebra and an appropriate score on the placement test or prior completion of MATH 101 is required.

**MATH 135**  
Mathematics for Elementary Teachers I  
3 Credits  
Offered Fall Semester

*MATH 135* provides the prospective elementary school teacher with a problem-solving approach to the mathematics continued...
COURSE DESCRIPTIONS

topics of the elementary school curriculum. Focus is on the
development of the real number system from the whole
numbers, fractions, integers, and rational and irrational
numbers. It emphasizes the study of math in a variety of
ways, using techniques of cooperative learning, both for
more effective learning and to address the concerns of
“math anxiety.” It is designed to broaden students’
appreciation of math.

This course is required for elementary teacher certification
by the State of Idaho. It satisfies the core requirement for the
A.A. degree; it does not for the A.S. degree. Prior completion
of MATH 101 or its equivalent is required.

MATH 136  Mathematics for Elementary School Teachers II
3 Credits
Offered Spring Semester

This course is a continuation of MATH 135, with a topical
emphasis on statistics, probability, and geometry. It
demonstrates the usefulness of math in ordinary life
(particularly with statistics), the aesthetics/“arty” side of
math, and the overall richness of the study of geometry.

This course is required for elementary teacher certification
by the State of Idaho. It does not satisfy the math core
requirement for either the A.A. or the A.S. degree. Prior
completion of MATH 135 or its equivalent is required.

NOTE: Students are strongly encouraged to take MATH
135 before MATH 136. Reversing the recommended
order may cause difficulties for the student.

MATH 145  Advanced Technical Mathematics I
3 Credits
Offered Fall Semester

This course is designed to continue the development of
mathematical skills beyond MATH 100 or first year high
school algebra for the technical student. MATH 145/146 is
not designed for mathematics majors. It includes the study
of rational expressions, radicals, linear functions, logarithmic
and exponential equations, right angle trigonometry and
complex numbers. Students finishing both MATH 145 and
MATH 146 with a grade of B should be able to successfully
complete MATH 180 (Calculus I). Students completing
MATH 155 after the successful completion of MATH 145
will receive 3 credits for MATH 155. (NOTE: MATH 155
is a 5 credit course.) MATH 145 satisfies the math
requirements for an A.A., A.S., and A.A.S. degrees.
Prerequisite: MATH 1030 (Elementary Algebra) with a grade
of C- or appropriate ASSET score for placement in MATH
101 (Intermediate Algebra).

MATH 146  Advanced Technical Mathematics II
3 Credits
Offered Spring Semester

This course is designed to continue the development of
mathematical skills begun in MATH 145. It includes the
study of second degree equations, conic sections, linear
and nonlinear inequalities, trigonometric identities and an
introduction to differentiation and integration. Students
finishing both MATH 145 and MATH 146 with a grade of
a B should be able to successfully complete MATH 180
(Calculus II). (NOTE: MATH 145/146 is not designed for
mathematics majors. Students completing MATH 145 and
MATH 146 cannot receive credit for MATH 155
(Pre-Calculus). This course satisfies the math requirements
for an A.A., A.S., A.A.S., degrees. Prerequisite: Successful
completion of MATH 145 or its equivalent.

MATH 155  Pre-Calculus
5 Credits
Offered Each Semester

Pre-Calculus 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.S. and A.A. degrees.
Successful completion of two years of high school algebra and
an appropriate score on the placement test or prior completion
of MATH 040 with a grade of "P" or better is required.

MATH 160  Survey of Calculus
4 Credits
Offered Each Semester

MATH 160 is the introduction to calculus as used in
business, social sciences, and life sciences. It focuses on
functions, graphs, the derivative, exponential and logarithmic
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.
Prior completion of MATH 115 or 135 is required.

MATH 176  Discrete Mathematics
4 Credits
Offered Each Semester

This course 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. Analysis and development
of algorithms will be emphasized. Little or no programming will
be done. Prior completion of MATH 155 or two years of high
school algebra is required. Knowledge of programming language,
e.g., PASCAL, is highly recommended.

MATH 180  Analytic Geometry and Calculus I
4 Credits
Offered Each Semester

MATH 180 is an introduction to calculus as the
mathematics of change and motion. It emphasizes limits,
the derivative, techniques of differentiation, continuity,
applications 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. It satisfies the
mathematics requirement for the A.S. and A.A. degrees.
Requirements include successful completion of two years
of high school algebra, one year of plane geometry, one-half
year each of trigonometry and analytic geometry, and an
appropriate score on the placement test, or prior completion
of MATH 155.
MATH 190  Analytic Geometry and Calculus II  
4 Credits  
Offered Each Semester  
This course is a continuation of MATH 180 emphasizing techniques and applications of integration, vectors and vector-valued functions, polar coordinates, and parametric equations. Prior completion of MATH 180 with a grade of "C" or better is required.

MATH 200  Analytic Geometry and Calculus III  
3 Credits  
Offered Each Semester  
MATH 200 is a continuation of the calculus sequence. It includes the study of sequences and series. 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 multi-variable physical phenomena in the physical science, chemistry, and engineering areas. Prior completion of MATH 190 is required.

MATH 231  Linear Algebra  
3 Credits  
Offered Fall Semester on Demand  
This course includes the study of linear systems, matrices, determinants, vector spaces, linear transformations, eigenvalues, and diagonalization of matrices with applications. Prior completion of MATH 115 or MATH 155 with permission of instructor, or completion of MATH 180 is required.

MATH 251  Principles of Applied Statistics  
3 Credits  
Offered Each Semester  
MATH 251 is an introduction to applied statistical methods including, descriptive statistics, confidence intervals, hypothesis testing, small and large sample methods, linear regression and correlations, chi-square, and analysis of variance. Probability, as needed, will be included. Prior completion of MATH 115 or MATH 155 and two years of high school algebra are required.

MATH 295  Introduction to Ordinary Differential Equations  
3 Credits  
Offered Spring Semester  
MATH 295 studies classification, initial value problems, exact equations, second order equations with constant coefficients, variation of parameters, Laplace transforms, series methods, and systems of linear equations. Prior completion of MATH 200 or permission of instructor is required.

Mental Health Technician  
NOTE: Course enrollment requires prior acceptance into the Mental Health Technician Program.

MLTH 106  Direct Care Assessment and Intervention  
2 Credits (Formerly MLTH 102)  
Offered Fall Semester  
This course builds on abnormal psychology concepts and DSMIII-R diagnostic groups of disorders to incorporate assessment and interventions in direct care provider roles. Psychosocial history, mental status exam and how to manage client behaviors including anger, manipulation, hallucinations, delusions and suicidality will be included. Acute care settings and roles will be emphasized. Prior completion of HSS 102, PSYC 100, COMG 101, COMG 233 and ALTH 107 are required; prior completion or concurrent enrollment in PSYC 211 is required; concurrent enrollment in MLTH 107 is required.

MLTH 120  Orientation to Mental Health Technician Field Experience  
1 Credit  
Offered Spring Semester  
Summer field experience plans, processes, and guidelines will be discussed with students accepted in the Mental Health Technician Program. Student expectations during field experience will be highlighted. Students will be oriented to their assigned field experience agency.

MLTH 121  Mental Health Technology Field Experience  
7 Credits (Formerly MLTH 103)  
Offered Summer Session  
The 10-week field experience provides the student opportunity to apply concepts in assessment and intervention with psychiatric clients, function as members of an interdisciplinary team and to practice recording on the patient record. Prior completion of MLTH 120 is required.

MLTH 122  Mental Health Technician Seminar  
3 Credits (Formerly MLTH 103)  
Offered Summer Session  
This seminar provides the student the opportunity to share learning experiences with peers, raise questions and obtain clarification of practices or concerns regarding their field experience and gain assistance in applying classroom concepts in the field environment. Concurrent enrollment in MLTH 121 is required.

Music  

MUS 090  Individual Instruction  
2 or 4 Credits  
Offered Each Semester  
MUS 090 provides individual instruction in all band and orchestra instruments. This course is designed for beginners students with limited musical background, or for experienced students with a special interest.

Individualized instruction in an area of choice can assist students of all levels to improve their performance abilities. Credits are non-transferable. Special fees may apply. Two
MUS 100  Individual Instruction I
2 or 4 Credits  Offered Each Semester

MUS 100 provides individual instruction in voice, piano, guitar, and all band and orchestra instruments. This course is designed as the first level of study for music majors and experienced students. A jury exam is required. Individualized instruction in an area of choice can assist students to improve their performance abilities. Credits may be transferable. Special fees may apply. Two credits require one half-hour lesson per week. Four credits require one hour weekly. May be repeated for credit. Prior completion of other courses is not necessary.

MUS 101  Individual Instruction II
2 or 4 Credits  Offered Each Semester

MUS 101 provides individual instruction in voice, piano, guitar, and all band and orchestra instruments. The course is designed as the second level of study for music majors and experienced students. A jury exam is required.

Individualized instruction in area of choice can help students improve their performance abilities. Credits may be transferable. Special fees may apply. Two credits require one hour-half lesson per week. Four credits require one hour weekly. May be repeated for credit. Prior completion of MUS 100 or its equivalent skill level as demonstrated by audition and approval of the instructor are required.

MUS 103  Concert Choir
1 Credit  Offered Each Semester

Concert Choir is North Idaho College's large vocal ensemble organized to perform standard and mixed choir arrangements. The choir frequently performs with the North Idaho Symphony Orchestra.

This course may be taken as an ensemble elective for music majors. Credit may be transferable. It may be repeated for credit. An audition and permission of instructor are necessary. Choir membership is open to college students and area residents.

MUS 104  Vocal Jazz Ensemble
1 Credit  Offered Each Semester

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. An audition and permission of the instructor are required. It may be repeated for credit. MUS 103 must be taken in conjunction.

MUS 106  North Idaho Symphonic Band
1 Credit  Offered Each Semester

The North Idaho College Symphonic Band is an instrumentalensemble designed to perform traditional and contemporary concert band literature. Band membership is open to college students and area residents.

This course provides student and area residents a chance to enhance their music appreciation through musical performance. An audition and permission from instructor is necessary. It may be repeated for credit.

MUS 107  Cardinal Pep Band
1 Credit  Offered Each Semester

The Cardinal Pep Band is an instrumental ensemble designed to perform at athletic events and other school events. It may be repeated for a maximum of four credits. An audition and permission of instructor are required.

MUS 109  North Idaho Symphony Orchestra
1 Credit  Offered Each Semester

The North Idaho Symphony Orchestra is an ensemble organized to perform a standard orchestral repertoire.

Credit may be transferable. The course may be used as an ensemble elective for music majors and can be repeated for credit. An audition and permission of instructor are required. Orchestra membership is open to college students and area residents.

MUS 110  Vocal Ensemble
1 Credit  Offered Each Semester

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, etc. An audition and permission of instructor are required. Ensemble membership is open to college students and area residents.

MUS 111  Instrumental Ensemble
1 Credit  Offered Each Semester

Instrumental ensembles are small groups of brass, woodwind, string, percussion, or mixed instruments organized to perform a standard chamber music repertoire. Credit may be transferable and can be repeated for credit. An audition and permission of instructor are required. Ensemble membership is open to college students and area residents.

MUS 112  Introduction to Voice
1 Credit  Offered Either Semester

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 in Class Voice need no prior musical background. This course may be repeated for credit.
MUS 113  North Idaho Jazz Ensemble  1 Credit  Offered Each Semester

North Idaho Jazz Ensemble is an instrumental ensemble designed to perform jazz literature in all 20th century styles. Ensemble membership is open to college students and area residents.

This course provides students and area residents a vehicle for jazz appreciation through performance. It may be repeated for credit. An audition and permission from instructor are required.

MUS 115  Pit Orchestra  1 Credit  Offered Each Semester

Pit Orchestra is an ensemble organized to perform operas or musicals in conjunction with the Theatre Department.

Credit may be transferable and this course can be repeated for credit. An audition and permission from instructor are required. Orchestra membership is open to college students and area residents.

MUS 116  Musical Theatre  1 Credit  Offered Each Semester

Musical Theatre is a performance experience with a Broadway musical repertoire. An audition and permission of instructor are required. It may be repeated for credit.

MUS 117  Music Convocation  0 Credit  Offered Each Semester

Concert attendance is required for all music majors. Written critiques of eight concerts are required each semester. Supplemental experience in music analysis and appreciation assists music majors in refining listening capabilities.

MUS 120  Fundamentals of Music  2 Credits  Offered Each Semester

Music 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.

Music theory is for the novice or experienced musician who wants to develop or refresh music reading skills. Prior completion of other courses is not required.

MUS 125  Survey of Music  3 Credits  Offered Each Semester

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. Prior completion of other courses is not required.

MUS 127  Survey of American Popular Music Since 1900  3 Credits  Offered Fall or Spring Semester

MUS 127 is an introduction for students (majors and non-majors) to the various styles of American popular music—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. Prior completion of other courses is not required.

MUS 130  Introduction to Piano  1 Credit  Offered Either Semester

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 in Class Piano need no prior musical background. This course may be repeated for credit.

MUS 140  Introduction to Music Literature  3 Credits  Offered Fall Semester

MUS 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 humanity-oriented subject matter. This course fulfills an arts and humanities requirement for the A.A. and A.S. degrees. Prior completion of other courses is not necessary.

MUS 141  Harmony and Theory I  3 Credits  Offered Fall Semester

MUS 141 is the study and application of the basic materials in four-part harmony. Emphasis is placed upon a thorough knowledge of the fundamentals of music, development of composition skills, and beginning analysis skills. It deals with harmonic practice from the year 1600 on.

This course fulfills a theory requirement for music majors. MUS 141L must be taken concurrently. Music reading skills and permission of instructor are required.

MUS 141L  Harmony and Theory I Laboratory  1 Credit  Offered Fall Semester

This laboratory assists students in the development of aural skills, i.e., sight-singing; rhythmic, melodic, and simple harmonic dictation; and recognition. Emphasis is on materials covered in MUS 141.

This course fulfills a theory requirement for music majors and expands upon musical understanding developed in MUS 141. Music reading skills and permission of instructor are required.

continued...
MUS 142  Harmony and Theory II
3 Credits  Offered Spring Semester

This course is a continuation of MUS 141, emphasizing expanded use of harmonies in writing and analysis. MUS 142L must be taken concurrently. It fulfills a theory requirement for music majors. Prior completion of MUS 141 is required.

MUS 142L  Harmony and Theory II Laboratory
1 Credit  Offered Spring Semester

This laboratory is a continuation of MUS 141L. It fulfills a theory requirement for music majors. Prior completion of MUS 141L is required.

MUS 201  Individual Instruction III
2-4 Credits  Offered Each Semester

MUS 201 provides individual instruction in piano, guitar, and all band and orchestra instruments. This course is designed as the third level of study for music majors and experienced students. A jury exam is required.

Credit may be transferable and may be repeated for credit. Prior completion of MUS 101 or audition and permission of instructor is required. Special fees apply. For two credits, a one-half-hour lesson per week is required. For four credits, a one-hour lesson is required. The number of credits must be approved by the instructor.

MUS 202  Individual Instruction IV
2-4 Credits  Offered Each Semester

MUS 202 provides individual instruction in voice, piano, guitar, and all band and orchestra instruments. This course is designed as the fourth level of study for music majors and experienced students. A jury exam is required.

Credit may be transferable and can be repeated for credit. Prior completion of MUS 201 or audition and permission of instructor is required. Special fees apply. For two credits, one half-hour lesson per week is required. For four credits, one-hour lesson per week is required. The number of credits must be approved by the instructor.

MUS 215  Computer Music Notation
1 Credit  Offered Fall Semester

This course is an introduction to the use of Finale software (on Macintosh computers) for use of music printing and playback. The course provides musicians training in current technological advances important to the field of music.

MUS 241  Harmony and Theory III
3 Credits  Offered Fall Semester

This course is a continuation of MUS 142, emphasizing writing and analysis of music up through the Romantic era of music. MUS 241L must be taken concurrently. It fulfills a theory requirement for music majors. Prior completion of MUS 142 is required.

MUS 241L  Harmony and Theory III Laboratory
1 Credit  Offered Fall Semester

This course is a continuation of MUS 142L. It fulfills a theory requirement for music majors. Prior completion of MUS 142L is required.

MUS 242  Harmony and Theory IV
3 Credits  Offered Spring Semester

This course is a continuation of MUS 241 with emphasis on writing and analysis of music in the 20th century. MUS 242L must be taken concurrently. It fulfills a theory requirement for music majors. Prior completion of MUS 241 is required.

MUS 242L  Harmony and Theory IV Laboratory
3 Credits  Offered Spring Semester

This laboratory is a continuation of MUS 241L. It fulfills a theory requirement for music majors. Prior completion of MUS 241L is required.

MUS 251  Introduction to Music History
3 Credits  Offered Spring Semester

MUS 251 is a general introductory course in music history designated for music majors. It fulfills an arts and humanities requirement for the A.A. degree. The course is designed for students desiring core humanities credit and for sophomore music majors. Prior completion of MUS 141 or permission of the instructor is required.

Nursing: RN

Note: Course enrollment requires prior acceptance into the Associate Degree Nursing Program.

NURS 119  Nursing Process
1 Credit  Offered Fall Semester

Nurising 119 explores the nursing process as a systematic, rational, and scientific method of problem solving. Students will learn to use this process as a framework for applying nursing knowledge and skills to meet the needs of patients.

Concurrent enrollment in NURS 120 and NURS 185 is required.

NURS 120  Conceptual Basis of Nursing - Laboratory I
1 Credit  Offered Fall Semester

In this course, selected psychosocial concepts are explored to assist students to better understand themselves and others as multidimensional, holistic beings. Students will acquire knowledge and develop skills which can be used to enhance their own adaptation and facilitate the adaptations of others.

Concurrent enrollment in NURS 119 and NURS 185 is required.
NURS 121  Conceptual Basis of Nursing - Laboratory II
1 Credit  Offered Spring Semester

This course expands concepts presented in NURS 120 and introduces additional concepts basic to nursing practice. Students will develop interpersonal skills for application to patient care. Prior completion of NURS 119, NURS 120, and NURS 180 or permission of division chair is required.

Concurrent enrollment in and NURS 186 is required.

NURS 185  Fundamentals of Nursing I
6 Credits  Offered Fall Semester

This course introduces the student to basic nursing theory and practice. Developmental theory, pharmacology, basic physical assessment, physiology, and psychologic needs form the groundwork for future nursing courses. Care of the gerontological patient will be emphasized. The basic foundation for nursing practice is presented. Laboratory experiences provide for nursing skill development and application of theory to the care of patients in hospitals and long-term care settings. Practice of nursing skills in the learning laboratory is required.

High school competencies in algebra, biology and chemistry are necessary. College-level prerequisites which must be completed before admission to the nursing program are BACT 250, CHEM 108, ENGL 103, PSYC 100.

NURS 186  Nursing Management of the Medical-Surgical Patient
8 Credits  Offered Spring Semester

Medical-surgical nursing builds upon the concepts of nursing practice learned in Nursing 185. This course specifically focuses upon the adaptation of individuals and their families experiencing common medical-surgical disorders. Clinical experiences will include nursing skill development and the provision of care to selected patients requiring medical or surgical interventions within hospital and/or outpatient settings.

Successful completion of NURS 185, NURS 119, NURS 120 and ZOOL 107 is required.

NURS 187  Obstetrical Nursing
3 Credits  Offered Summer Session

Obstetrical Nursing focuses on the methods which nurses and other health care providers can utilize in assisting patients and their families in their adaptation to childbearing. Prenatal, labor and delivery, newborn, and postpartum care are taught with a family-centered emphasis. Common complications in maternal-newborn care are introduced. Opportunities are provided for students to care for the patient and their family during all aspects of the childbearing experience.

Prior completion of ZOOL 108, NURS 185 and NURS 186 is required.

NURS 186  Psychiatric Mental Health Nursing
3 Credits  Offered Summer Session

Psychiatric Mental Health Nursing is designed to assist the student in using the concept of adaptation in applying the nursing process to the client experiencing mental health problems. Laboratory experiences include care of clients in an acute psychiatric facility. Basic concepts in Psychiatric Mental Health Nursing will apply to clients in all clinical settings - the general hospital, specialty units, and psychiatric settings.

Prior completion of NURS 121, 185, and 186 is required.

NURS 204A  Nursing Management
2 Credits  Offered Either Semester

Nursing Management expands concepts from previous courses and presents selected topics relating to the management of patient care. This course is designed to assist the learner in patient management techniques needed as a beginning nurse.

Prior completion of NURS 205 or permission of instructor is required.

NURS 204B  Wellness Lifestyles
3 Credits  (Same as PE 222) Offered Either Semester

Wellness Lifestyles examines contemporary health/wellness issues with emphasis on personal decision making and behavioral changes to create a personal lifestyle which promotes high level wellness.

Prior completion of other courses is not required.

NURS 221  Issues in Nursing
1 Credit  Offered Spring Semester

Nursing 221 expands concepts from previous nursing courses and presents selected topics to examine issues in nursing practice. It is designed to assist the learner in transition from the student role to the graduate nurse.

NURS 285  Nursing Interventions I
1 Credit  Offered Fall Semester

Nursing Interventions I focuses on the nursing management of patients of all ages with common disorders and problems related to all body systems and provides for progressive development and application of concepts introduced in preceding nursing and support courses. Opportunity is provided for the student to manage the care of patients under supervision, utilizing the nursing process and is based on the related pathophysiology, treatment, psychosocial need of the patients and their families. It provides the student with opportunity to become increasingly self-directed in their learning and the application of health care concepts.

Prior completion of NURS 187 and NURS 186 or permission of the division chair is required.
NURS 286  Nursing Interventions II
8 Credits  Offered Spring Semester
This course focuses on the nursing management of patients of all ages with emergent, traumatic, and complex disorders and problems related to all body systems. The course provides for progressive development and application of concepts introduced in preceding nursing and support courses. Opportunity is provided for the students to manage and coordinate care, under supervision. The nursing process is utilized in planning and providing care for patients and their families. The clinical experience provides the student with opportunity to become self-directed in problem solving and critical thinking in meeting the health care needs of patients and their families.
Prior completion of NURS 285 or permission of the division chair is required.

Nursing: Practical Nursing (PN)
Note: Course enrollment requires prior acceptance into the Practical Nursing Program.

PN 101  Practical Nursing Theory I
5 Credits  Offered Fall Semester
This course includes an introduction to the fundamentals of nursing and therapeutic skills. It includes the study of anatomy and physiology (body systems), microbiology, nutrition, growth and development, adaptation to the life cycle, nursing process, medical and surgical nursing, pharmacology, and psychiatric nursing.
Pharmacology must be successfully completed to enable the student to continue into spring semester.

PN 101L  Practical Nursing Laboratory I
9 Credits  Offered Fall Semester
This laboratory involves supervised hospital experiences with patient care, applying theory from PN 051. It comprises progression of skill experiences, including operating room observations.

PN 102  Practical Nursing Theory II
6 Credits  Offered Spring Semester
This course covers the nursing aspects of obstetrics, pediatrics, first aid, cardiopulmonary resuscitation (CPR), emergency nursing, oncology, and death and dying. It explores nursing responsibilities in more complex diseases of major body systems.
Prior completion of PN 051 and PN 051L is required.

PN 102L  Practical Nursing Laboratory II
10 Credits  Offered Spring Semester
This course correlates hospital and convalescent-care patient experiences with theory of Practical Nursing 052. Course work includes medication administration, aseptic skills, and rehabilitation opportunities with instructor supervision.
Prior completion of PN 051L is required.

PN 103  Practical Nursing Theory III
3 Credits  Offered Summer Session
This course covers nursing care of the nervous, sensory, and integumentary systems. It also includes studies of allergies, the immune system, and geriatric care.
Prior completion of PN 051 and PN 052 is required.

PN 103L  Practical Nursing Laboratory III
5 Credits  Offered Summer Session
Supervised clinical experiences include convalescent homes, doctors offices, and multiple patient care in an acute care setting.
Prior completion of all first semester classes is required.

PN 105  Communication Skills
1 Credit  Offered Either Semester
This course explores nurse-patient relationships. The focus is on the differences between therapeutic and non-therapeutic interactions. Course work includes interviewing skills, appropriate documentation of nursing performance, telephone protocols, and hospital shift reporting. This course is an integral part of PN 051 and is required for program completion.

PN 107  Computational Skills
1 Credit  Offered Either Semester
This course covers practice and application of the mathematical formulas used in nursing. Focus is on apothecary and metric system conversions, principles of fractions, decimals, and ratio and proportion. This course is required for program completion.

Pharmacy Technician

PHAR 110  Pharmacy Law
1 Credit  Offered Fall Semester
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 record keeping and medical ethics.

NOTE: Application and acceptance into the Pharmacy Technician Program is required before enrolling in courses numbered 150 and above.

PHAR 150  Orientation to Over The Counter Drugs
4 Credits  Offered Spring Semester, Odd Years
This course provides an overview of prescription and non-prescription medication, with emphasis on therapeutic classification and use of the top 200 drugs. It includes generic and brand naming, general mode of action, side effects and potential drugs for this drug group.
PHAR 170  Pharmacy Technology  
4 Credits  Offered Spring Semester, Odd Years  
This course is designed to provide students with the knowledge and skills needed in the performance of technical pharmacy tasks in hospital and retail settings. Included are prescription processing, dispensing, compounding and prepacking, pharmacy software and computer systems; and third-party reimbursement. There will be an emphasis on pharmacy calculations and preparations. Previous exposure to keyboarding is recommended.

PHAR 180  Pharmacy Technician Practicum I  
3 Credits  Offered Spring Semester, Odd Years  
(Formerly PHAR 190)  
Supervised pharmacy technician practice in the retail setting. Instruction and guidance are provided by the staff of participating agencies. Emphasis is on application of classroom content in the pharmacy setting. Concurrent enrollment in PHAR 180 and PHAR 170 is required.

PHAR 181  Pharmacy Technician Seminar  
1 Credit  Offered Spring Semester, Odd Years  
(Formerly PHAR 191)  
Taken concurrently with PHAR 180, this seminar provides the student the opportunity to share learning experiences with peers; raise questions and obtain clarification of practices or concerns regarding their practicum experience. Concurrent enrollment in PHAR 180 is required.

PHAR 185  Pharmacy Technician Practicum II  
8 Credits  Offered Summer Session, Odd Years  
(Formerly PHAR 195)  
Supervised pharmacy technician practice in the hospital setting. Instruction and guidance is provided by the staff of participating agencies. Emphasis is on application of classroom content in the pharmacy setting. This course occurs during a 10-week summer session. Prior completion of PHAR 180 is required.

PHAR 186  Pharmacy Technician Seminar  
2 Credits  Offered Summer Session, Odd Years  
(Formerly PHAR 196)  
This seminar provides the student the opportunity to share learning experiences with peers; raise questions and obtain clarification of practices or concerns regarding their practicum experience. Additionally, students will have the opportunity to discuss role transition – student to worker – and the job search plans and attempts. Concurrent enrollment in PHAR 185 is required.

PHAR 203  Advanced Pharmacy Technician Lab  
1 Credit  Offered Fall Semester, Odd Years  
This three-hour per week lab course provides students the opportunity to enhance their preparation and dispensing skills in a campus lab environment. Intravenous medication preparation and evaluation will be a major focus. Prior completion of the Pharmacy Certificate of Completion program is required.

PHAR 221  Pharmacy Internship  
1-6 Credits  Offered Either Semester  
Students participate in a structured internship experience under the direction of selected community and/or hospital pharmacy preceptors. Emphasis is on the distributive aspects of pharmacy practice. Prior completion of the Pharmacy Certificate of Completion program is required. Variable credits may be taken in sequential semesters. A total of six credits of PHAR 221/222 is required for completion of the AAS degree.

PHAR 222  Pharmacy Internship  
1-6 Credits  Offered Either Semester  
Students participate in a structured internship experience under the direction of selected community and/or hospital pharmacy preceptors. Emphasis is on the distributive aspects of pharmacy practice. Prior completion of the Pharmacy Certificate of Completion program is required. Variable credits may be taken in sequential semesters. A total of six credits of PHAR 221/222 is required for completion of the AAS degree.

Philosophy

PHIL 103  Introduction to Philosophy  
3 Credits  Offered Each Semester  
Introduction to Philosophy 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. degree. Prior completion or concurrent enrollment in ENGL 103 strongly encouraged but not required.

PHIL 111  World Religions  
3 Credits  Offered Each Semester  
World Religion presents an overview of the historical and cultural settings, main beliefs, and practices of the great Eastern and Western religions - Hinduism, Buddhism, Taoism, Confucianism, Judaism, Islam, and Christianity. Special attention is given to similarities and differences in concepts of humanity and our relationships 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 an arts and humanities requirement for the A.S. degree. Prior completion or concurrent enrollment in ENGL 103 strongly encouraged but not required.

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PHIL 120 Logic and Critical Thinking
3 Credits Offered Each Semester

Philosophy 120 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. Prior completion or concurrent enrollment in ENGL 103 and/or SPCH 131 is strongly encouraged but not required.

PHIL 201 Ethics
3 Credits Offered Each Semester

Ethics is the investigation and discussion of personal, social, and professional moral problems and the philosophical principles and thinking skills used for their resolution. Emphasis is on the development and application of reasoning skills for problem-solving and decision-making in the moral domain.

This course provides awareness, sensitivity, and skills essential to the success and moral integrity of the person in today's morally complex society. It fulfills an arts and humanities requirement for the A.S. degree. Prior completion or concurrent enrollment in ENGL 103 is required.

Photography

COMP 281 Introduction to Photography
3 Credits Offered Each Semester

This course is designed to build basic skills in students who have an interest in photography but no prior experience. The course uses a combination of lecture/demonstration and hands-on exercises to develop mastery of basic photographic tools and techniques.

Students will be exposed to a wide variety of technical and aesthetic concerns involved in making photographs. These include camera handling, shooting color and black and white film, basic darkroom techniques, composition and developing a photographic vision. Students entering this course must have a 35mm camera with adjustable f-stops, shutter speeds, and focus. Students are also responsible for all photographic film and paper. Prior completion of other courses is not necessary.

COMP 283 Intermediate Photography
3 Credits Offered Spring Semester

This course is designed to expand the photographic knowledge of motivated students who have completed COMP 281. Basic skills in shooting, printing, and processing black and white film will be refined, and students will work to develop a personal photographic vision.

Further photographic experience will enhance student abilities through exposure to more challenging concepts including the zone system of exposure control, studio and natural lighting schemes, and printing and presenting the fine print. Prior completion of COMP 281 or permission of instructor is required. Students entering this course must have a 35mm camera with adjustable f-stops, shutter speeds, and focus. Students are responsible for all photographic film and paper.

COMP 289 Photomontage
3 Credits Offered Spring Semester

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 abilities in visual communication.

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. The course requires that students have a 35mm camera with adjustable f-stops, shutter speeds, focus, and synchronized strobe flash. Students are responsible for purchasing all photo paper and film stock. Prior completion of COMP 281 or permission of instructor is required.

Physical Education

Note: Students in special physical education activity courses are charged extra fees payable at registration. These additional fees are charged to students taking PE 235, which includes courses such as bowling, rollerskating, equitation, firearms, and racquetball. Students enrolled in skeet and trap shooting must pay for the cost of clay pigeons and shells; students enrolled in riflery must provide their own ammunition.

Activity Courses

The following courses fulfill physical education activity course requirements for the A.A. and A.S. degrees. Courses may be repeated for the maximum number of credits indicated under the course descriptions. In special situations, subject to approval by the division chair, students may be allowed to exceed the maximum number of credits.

PE 105 Varsity Sports
1 Credit Offered Each Semester

This course is restricted to varsity athletes who compete in cross country, volleyball, wrestling, basketball, baseball, track and field. Teams compete regionally with two and four-year colleges and may advance to tournament competition. 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 fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for credit.

PE 105Z  Cheerleading
1 Credit  Offered Each Semester

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 try-outs to earn a place on the squad. It fulfills a partial physical education requirement for the A.A. and A.S. degrees and may be repeated for credit. Prior completion of other courses is not necessary.

PE 106  Equitation
1 Credit  Offered Each Semester

Equitation provides instruction and practice in horseback riding, focusing on development of skills and techniques for safe Western and English pleasure riding.

It fulfills a partial physical education requirement for the A.A. and A.S. degrees and may be repeated for total of four credits. Prior completion of other courses is not required.

PE 108  Hiking and Lightweight Camping
1 Credit  Offered On Demand

Instruction and guided practice in hiking and camping techniques, including proper clothing and equipment selection, outdoor cooking, and edible plant identification is part of this course. Students participate in weekly field trips for conditioning and skill development.

This course is for students interested in outdoorsmanship and area ecology. For optional overnight trips, students must furnish their own food and gear. It fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for total of four credits. Prior completion of other courses is not required.

PE 109  Kayaking
1 Credit  Offered On Demand

This course offers instruction in white-water kayaking skills, including basic strokes, Eskimo roll, and river-reading.

Through this course, one develops safe kayaking skills and fulfills a physical education requirement for the A.A. and A.S. degrees. It may be repeated for total of four credits. Prior completion of other courses is not necessary.

PE 131  Multiple Sports
1 Credit  Offered Each Semester

This course offers instruction and practice in a variety of individual and team sports, including volleyball, touch football, basketball, swimming, tennis, and softball. It requires participation of two hours weekly.

It improves athletic skills and explores a variety of sporting activities. It fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for a total of four credits. Prior completion of other courses is not required.

PE 207  Water Aerobics
1 Credit  Offered Each Semester

Instruction and participation in Water Aerobics is a combination of aquatic toning, strengthening and cardiovascular conditioning. It consists of a thermal warm-up, pre-stretch, cardiovascular workout, toning, cool down, and post-stretch. Water offers 12 times the resistance of air which makes water exercise the perfect place to condition the muscles without injury. Prior completion of other courses is not required.

PE 208  Beginning Swimming
1 Credit  Offered Fall Semester

In this course, students are taught fundamental swimming and water safety skills for the non-swimmer or beginner. The course requires two hours of practice weekly.

It fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for total of four credits. Prior completion of other courses is not necessary.

PE 209  Intermediate Swimming
1 Credit  Offered Each Semester

This course is a continuation of PE 208, focusing on developing intermediate swimming strokes, safety skills, versatility, and endurance. It 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 total of four credits. Beginning swimming ability is necessary. Prior completion of other courses is not required.

PE 210 (formerly PE 244)  Advanced Swimming
1 Credit  Offered Spring Semester

This course offers instruction and practice for the intermediate or advanced swimmer, emphasizing cardiovascular conditioning by lap swimming.

Advanced swimming is designed for physical fitness, developing endurance, and perfecting various styles of swimming. It fulfills a physical education requirement for the A.A. and A.S. degrees. Two hours of practice weekly is required. Prior completion of PE 209 is required.

PE 235  Individual and Team Sports
1 Credit  Offered Each Semester

Fundamental instruction in a variety of courses that offer instruction in many different activities including: bowling, golf, jogging, tennis, racquetball, rollerskating, self-defense, skiing, rifle, skeet & trap shooting, weight training, basketball, softball, volleyball, and more.

It fulfills a physical education requirement for the A.A. and A.S. degrees and may be repeated for total of four credits. Special activity fees may be required. Prior completion of other courses is not necessary.
Professional/Academic Courses

Note: 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
2 Credits Offered Each Semester

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. Prior completion of other courses is not required.

**PE 220** Sports and Society
2 Credits Offered Each Semester

The interrelationship of sports with other aspects of culture, economics, drugs, gambling, and media will be among the topics studied in this course. The role of sports in American society will also be discussed.

**PE 222** Wellness Lifestyles (Same as NURS 2048)
3 Credits Offered Either Semester

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. Prior completion of other courses is not required.

**PE 240** Elementary School Physical Education
3 Credits Offered on Demand

This course examines current theory in curriculum and teaching methods with practical applications through laboratory and field experiences. It is beneficial for students considering a career in physical education or recreation service. Prior completion of other courses is not required.

**PE 241** Basketball Coaching Methods
2 Credits Offered On Demand

This course offers instruction in practice and principles of basketball coaching, fundamentals of offense and defense, and styles of play. It is beneficial for students considering a career in physical education or recreation service. Prior completion of other courses is not required.

**PE 243** Play and Game Theory
2 Credits Offered on Demand

This course offers instruction 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 service. Prior completion of other courses is not required.

**PE 248** Care and Prevention of Athletic Injuries
2 Credits Offered Each Semester

This course offers instruction and practice in the care, prevention, and evaluation of injuries common to men’s and women’s sports. It is designed for those who are interested in athletic training or physical therapy. Prior completion of other courses is not required.

**PE 259** Lifeguard Training
2 Credits Offered On Demand

This course offers instruction and skill development for non-surf lifeguarding, including hazard management, rescue procedures, and interaction with the public. Students may elect to qualify for American Red Cross (ARC) certification. This course is designed for students interested in aquatic safety and advanced training. To enroll, students must pass a lifeguarding skills test requiring strong swimming ability. Completion of First Aid and CPR training is necessary to qualify for Lifeguard Training Certification. Prior completion of other courses is not necessary.

**PE 266** Water Safety Instructor
2 Credits Offered On Demand

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. Enrollment requires students to have current ARC Emergency Water Safety or Lifeguarding Certification. Prior completion of other courses is not required.

**PE 277** Lifeguard Instructor
1 Credit Offered On Demand

This course offers training for those wishing to teach the American Red Cross (ARC) Basic Water Safety, Emergency Water Safety, and Lifeguard Training courses. Emphasis is on practice teaching of ARC methods. Students will have the opportunity to qualify for ARC certification.

It is designed for students interested in teaching aquatic skills and safety. Current lifeguard training certification is required.

**PE 288** First Aid
3 Credits Offered Each Semester

This course offers instruction and practice in the emergency care for victims of injury or sudden illness. Students will have the opportunity to qualify for American Red Cross certification in First Aid and CPR.

It is designed for students interested in safety, prevention, and first aid treatment. Prior completion of other courses is not required.
**COURSE DESCRIPTIONS**

**Physics**

**PHYS 101**  
Fundamentals of Physical Science  
4 Credits  
Offered Each Semester  
This course provides a general presentation of the spirit of scientific investigation for the non-science major. It includes treatment of physics, chemistry, astronomy, and geology, and their relation to the world in which we live.

This course is designed for the non-science major interested in an overview of the physical sciences and developing an appreciation for the nature of the physical universe. It includes a weekly two-hour lab and fulfills a laboratory science requirement for the A.A. and A.S. degrees. A working knowledge of basic mathematics and satisfactory scores on placement tests are recommended.

PHYS 103  
Elementary Astronomy  
3 Credits  
Offered Each Semester  
PHYS 103 is an introductory study of astronomy including properties of stars, stellar evolution, the Milky Way galaxies, theories of cosmology and cosmogony, and the history of astronomy.

It fulfills a laboratory science requirement for the A.A. and A.S. degrees. Concurrent enrollment in PHYS 104 lab is necessary. Prior completion of course is not required.

PHYS 104  
Elementary Astronomy Laboratory  
1 Credit  
Offered Each Semester  
The Elementary Astronomy Laboratory offers practical experience to accompany PHYS 103. It includes activities in naked eye and telescopic stellar observation, mechanics, optics, and stellar evolution. Concurrent enrollment or prior completion of PHYS 103 is required.

PHYS 113  
General Physics I  
3 Credits  
Offered Fall Semester  
General Physics I is the study of mechanics, sound, linear and rotational motion, momentum, energy, vectors, elasticity, vibration, and mechanical wave motion. Concurrent enrollment in PHYS 115 is required. High school Algebra II or MATH 155 or permission of instructor is required.

PHYS 114  
General Physics II  
3 Credits  
Offered Spring Semester  
General Physics II is the study of temperature, gas laws, kinetic molecular theory, electricity and magnetism, light, and optics. Concurrent enrollment in PHYS 116 is required. PHYS 113 or 210 or permission of instructor is also required.

PHYS 115  
General Physics I Laboratory  
1 Credit  
Offered Fall Semester  
This laboratory is required for students enrolled in PHYS 113.

PHYS 116  
General Physics II Laboratory  
1 Credit  
Offered Spring Semester  
This laboratory is required for students enrolled in PHYS 114.

PHYS 210  
Engineering Physics I  
3 Credits  
Offered Each Semester  
PHYS 210 is the study of physics applicable to engineering fields, including examination of statics, dynamics, work and energy, sound and fluids. Students majoring in engineering, computer science, physics, chemistry, physical science, or mathematics will benefit from exposure to the principles and practices investigated. It fulfills a laboratory science requirement for the A.S. degree. Concurrent enrollment in PHYS 212 and MATH 180 is necessary. Prior completion of high school physics or PHYS 101 is recommended.

PHYS 212  
Engineering Physics Laboratory  
1 Credit  
Offered Each Semester  
PHYS 212 is a practical laboratory experience taken concurrently with PHYS 210.

PHYS 221  
Engineering Physics II  
4 Credits  
Offered Spring Semester  
PHYS 221 is a continuation of PHYS 210, focusing on the study of heat and thermodynamics, electricity and magnetism, and optics.

Students majoring in engineering, computer science, physics, chemistry, physical science, or mathematics will benefit from exposure to the principles and practices investigated. It fulfills a laboratory science requirement for the A.S. degree. Prior completion of MATH 180 and PHYS 210 is required.

PHYS 224  
Engineering Physics Laboratory II  
1 Credit  
Offered Spring Semester  
This laboratory course must be taken concurrently with PHYS 221.

**Political Science**

**POLs 101**  
American National Government  
3 Credits  
Offered Each Semester  
Political Science 101 is the study of the foundations 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, public ethics, political parties, voters, pressure groups, and public opinion.

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. Prior completion of other courses is not required.

*continued...*
POLS 102  State and Local Government  3 Credits  Offered Each Semester

Political Science 102 presents a comparative study of the 50 state governments and the local governments operating within those states. Emphasis is placed upon state constitutions, the three branches of state governments, county governments, metropolitan politics, relationships between state and local governments, and the powers and limits of these governments.

This is an essential course for students wishing to major in political science, pre-law, or law enforcement. It fulfills a social science requirement for A.A. and A.S. degrees. Prior completion of other courses is not required.

POLS 105  Introduction to Political Science  3 Credits  Offered Fall Semester

This is the introductory course in political science. It is a study of the basis, scope, nature, content, alternative theories, and comparative aspects of politics and political science. The purpose is to analyze the nature of politics, government, and international politics; to trace the development and changes in political cultures; and to deal with political science methodology.

This is an essential course for students majoring in political science or pre-law and should be taken the first semester of the freshman year. It fulfills a social science requirement for A.A. and A.S. degrees.

POLS 298  Political Involvement Practicum  1-6 Credits  Offered Each Semester

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 ASB 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 100  Introduction to Psychology  3 Credits  Offered Each Semester

This course is designed to provide 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. As such, 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.

Prior completion of other courses is not required. Strong reading and writing skills are recommended.

PSYC 105  Individual and Family Development  3 Credits  Offered Fall Semester (Same as CHID 105)

An introductory overview of human development from conception to adolescence including social issues and trends affecting modern families and children's development. A required course for the Child Development Program. Prior completion of other courses is not required.

PSYC 205  Developmental Psychology  3 Credits  Offered Each Semester

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 degree elective for both the A.A. and A.S. degrees.

Prior completion of PSYC 100 is recommended. Strong reading and writing skills are recommended.

PSYC 211  Abnormal Psychology  3 Credits  Offered Spring Semester

This course provides a study of the cause, nature, and prevention of mental disturbance and personality disorganization. It introduces the major categories of mental disorders as defined in the DSMIIIR. This course will not fulfill a requirement for the A.A. or A.S. degrees and may not be transferable.

PSYC 218  Intro to Research in the Behavioral Sciences  4 Credits  Offered Spring Semester

Psychology 218 is primarily designed for behavioral and social sciences 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 class 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. It also fulfills a social science elective for both the A.A. and A.S. degrees.

Prior completion of PSYC 100 is required. Strong reading and writing skills are recommended.

PSYC 223 (Formerly SOSC 204B)  Stress Management  3 Credits  Offered Each Semester

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. Prior completion of other courses is not necessary.
COURSE DESCRIPTIONS

PSYC 234  Infancy & Early Childhood (Same as CHD 234)  
3 Credits  Offered Spring Semester  
An in-depth look at development of early childhood from birth through eight years. The course investigates factors that determine physical, cognitive, social, and creative development and includes discussions of current trends and issues affecting young children. A required course for the Child Development Program. Prior completion of other courses is not required.

PSYC 254  Child Management Theory  
(Same as CHD 254)  
3 Credits  Offered Spring Semester  
Techniques for understanding and effectively guiding children's behavior and managing classroom situations are examined and practiced. Included are setting expectations, redirecting behavior, conflict resolution, group skills, verbal guidance, effective use of praise, and setting individual goals. A required course for the Child Development Program. Permission of instructor or prior completion of one of the following courses is required: PSYC/CHD 105, PSYC 205, PSYC/CHD 234, CHD/EDUC 243.

Social Work

SOWK 240 (Formerly SOSC 240)  Introduction to Social Work  
3 Credits  Offered Fall Semester  
This course presents a survey of social welfare and human service programs in the United States as a response to problems and needs within our society. Issues relating to historical and contemporary social service institutions and their place in both an ethical and public context are examined. The course begins the professional foundation for social work.

SOWK 241  Social Work Generalist Practice  
3 Credits  Offered Spring Semester  
Social Work 241 is a continuation of Social Work 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. Prior completion of SOWK 240 is required.

Sociology

SOC 110  Introduction to Sociology  
3 Credits  Offered Each Semester  
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. Prior completion of other courses is not required.

SOC 155 (formerly SOC 155)  Drug Abuse: Fact, Fiction, and the Future  
3 Credits  Offered Each Semester  
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.

SOC 220  Marriage and Family  
3 Credits  Offered Each Semester  
Sociology 220 is designed to help students understand the responsibilities that marriage creates. Students will have to confront such issues as marriage expectations, money management, interpersonal needs, marriage adjustment, contraception, communication, pregnancy and child care, divorce, and the like. This course fulfills a social science requirement for the A.A. and A.S. degrees. Prior completion of other courses is not required.

SOC 230  Social Problems  
3 Credits  Offered Each Semester  
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 230 fulfills a social science requirement for the A.A. and A.S. degrees. Prior completion of other courses is not required.

SOC 283 (formerly SOSC 204A)  Death and Dying  
3 Credits  Offered Each Semester  
Death and Dying explores concepts and attitudes towards dying, death, and grief beginning with historical and cultural perspectives and emphasizing sociological, theological, and psychological behavior. Special topics include: widowhood, geriatrics, suicide, funerals, laws, insurance, children and death.

This course offers students an opportunity to develop analytical skills useful for social research and further studies, through integrating concepts from sociology, psychology, and anthropology. Prior completion of other courses is not necessary.

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COURSE DESCRIPTIONS

Speech
(See Communications, pgs. 104-105)

Theatre

THTR 101  Introduction to the Theatre
3 Credits  Offered Each Semester

Theatre 101 examines the contributions of individual artists to the collective 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, costume, playwright, sound technician, actors, and scene designer.

This is a non-performance course open to non-majors 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 five plays during the semester. This course fulfills an arts and humanities requirement for the A.A. and A.S. degrees.

THTR 102  Stage Makeup
1 Credit  Offered Each Semester

This course is an introduction to the principles and practices of stage makeup design and its application for theatre and television/film. Practical lab experiences are provided to demonstrate and practice makeup techniques. Theatre 102 offers an opportunity to develop makeup skills for theatre and media production for students exploring these career areas or interested in community theatre participation. Students must purchase a theatrical makeup kit. It may be repeated for a total of four credits. Prior completion of other courses is not necessary.

THTR 103  Introduction to Stagecraft
3 Credits  Offered Fall Semester

Theatre 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.

THTR 105  Basics of Performance I
2 Credits  Offered Fall Semester

Theatre 105 is an introduction to the art of stage performance, emphasizing practice of exercises for developing 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 and 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 necessary.

THTR 106  Basics of Performance II
2 Credits  Offered Spring Semester

This course is a continuation of THTR 105, focusing on enhanced voice and movement and the development of character from scripts. Students will study and practice techniques actors use in working with ensembles, memorizing parts, and developing stage presence.

The skills introduced in THTR 105 are improved upon and includes verbal and nonverbal communication techniques, memorization, script analysis, and the interpretation of character. Prior completion of THTR 105 is required.

THTR 163  Basics of Scene Design and Graphics
2 Credits  Offered Fall Semester

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. Prior completion of other courses is not required. However, previous participation in theatre productions or completion of THTR 103 and THTR 263 are recommended.

THTR 190  Theatre Practice
1 Credit  Offered Each Semester

Students participate in the development and production of an NIC play, gaining experience in one or more areas, including lighting, properties, costume, 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.

THTR 263  Technical Production
2 Credits  Offered Spring Semester

Theatre 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. Prior completion of THTR 103 or permission of instructor is required.
**THTR 272**  Intermediate Acting  
3 Credits  
Offered Spring Semester  

Theatre 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 nonverbal acting qualities. Some evening and weekend participation may be necessary. Prior completion of THTR 105 and THTR 106 or permission of instructor is required.

**THTR 273**  Stage Lighting  
3 Credits  
Offered Spring Semester  

Theatre 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. Prior completion of other courses is not required. However, previous participation in theatrical productions and/or completion of THTR 103, 163, and 263 is recommended.

**Welding**

NOTE: Course enrollment requires prior acceptance into the Welding Program.

Courses offered in the evening, (WELD 055-059), are comparable to those offered during the day, but are not as comprehensive.

**WELD 055**  Welding Theory (OAC & SMAW Basic)  
1 Credit  
Same course description as WELD 161

**WELD 055L**  Shielded Metal Arc Welding Lab (Basic)  
2 Credits  
Same course description as WELD 161L

**WELD 056**  Welding Theory (SMAW Advanced)  
1 Credit  
Same course description as WELD 162

**WELD 056L**  Shielded Metal Arc Welding Laboratory (Adv)  
2 Credits  
Same course description as WELD 162L

**WELD 057**  Welding Theory (SMAW)  
1 Credit  
Same course description as WELD 163

**WELD 057L**  Gas Metal Arc Welding Laboratory  
2 Credits  
Same course description as WELD 163L

**WELD 058**  Welding Theory (GTAW & OAW)  
1 Credit  
Same course description as WELD 164

**WELD 058L**  GTAW & OAW Laboratory  
2 Credits  
Same course description as WELD 164L

**WELD 059**  Pipe Welding Theory  
1 Credit  
Same course description as WELD 165

**WELD 059L**  GTAW & SMAW Pipe Welding Laboratory  
2 Credits  
Same course description as WELD 165L

**WELD 130**  Welding Blueprint I  
3 Credits  
Offered Fall Semester  

Reading and Interpretation of advanced blueprints as they pertain to the welding field will be covered.

**WELD 132**  Pattern Layout & Parallel Line Development  
3 Credits  
Offered Spring Semester  

This course acquaints the welding student with layout methods to include parallel and radial line development, triangulation, layout of 90 degree elbows, square to round transitions, frustums, cones and "Y" and "T" structures. Techniques for sketching and drawing orthographic projections, oblique and isometric views, as well as dimensioning techniques will be covered.

**WELD 161**  Oxyacetylene Cutting & Basic SMAW Theory  
1.5 Credits  
Offered Fall Semester

Oxyacetylene cutting and stick (SMAW) welding are essential skills for the welding professional. Students will become proficient in the theory of cutting and stick welding and be prepared to apply this theory in lab or work situations.

**WELD 161L**  Oxyacetylene Cutting & Basic SMAW Lab  
4 Credits  
Offered Fall Semester

This lab course will enable the student to practice and use the theory skills taught in WELD 161. Skill development is continued...
the primary goal of this course. Both oxyacetylene cutting and stick (SMAW) welding are vital skills in the welding industry.

WELD 162  Advanced SMAW Theory
1.5 Credits  Offered Fall Semester

Advanced processes of stick welding are studied in this theory course. Open root welding on plate, cast, aluminum, stainless steel and other common materials will be discussed.

WELD 162L  Advanced SMAW Lab
4 Credits  Offered Fall Semester

Using the information from WELD 162, students will become proficient in advanced welding procedures of open root welding on plate, cast, aluminum, stainless steel and other common materials, as well as plasma arc cutting of non-ferrous material. Students will receive one-on-one instruction to develop these skills. Welder certification testing is included.

WELD 163  GMAW Theory
1.5 Credits  Offered Spring Semester

Wire feeding is one of the fastest growing methods of welding. It is necessary for the welder to study set-up, adjustment, and manipulation of this process before actual welding starts. Many welding shops and manufacturers use this process of welding.

WELD 163L  GMAW Lab
4 Credits  Offered Spring Semester

Practice and use of WELD 163 theory will be used in this lab. Many welding jobs require welders to be certified in gas metal arc welding.

WELD 164  Welding Theory - GTAW and OAW
1.5 Credits  Offered Spring Semester

Theory and use of TIG are studied as well as oxyacetylene welding practices. Both of these processes use similar skills and are studied at the same time. A high degree of understanding of this welding process is necessary to set-up and obtain x-ray quality welds. This theory will enable students to obtain these skills.

TIG and gas welding are used in many industries where aluminum and stainless steel are used. It is a vital skill for professional welders, especially in the aircraft and pipe welding industry.

WELD 164L  GTAW & OAW Lab
4 Credits  Offered Spring Semester

Using information from WELD 164, students will first become proficient in oxyacetylene welding skills and then become proficient in TIG welding. One-on-one instruction enables the student to gain a high degree of welding skill for this demanding procedure. X-ray quality welds are necessary in much of the welding industry. These processes provide that high quality weld and require a highly skilled welder to perform them. The pipe welding industry is only one of many employment areas that uses this process.

WELD 165  Introduction to Pipe Welding Theory
1 Credit  Offered Spring Semester

This class will give students an introduction to the theory of procedures and methods of pipe welding using shielded metal arc welding process.

WELD 165L  Introduction to Pipe Welding Lab
3 Credits  Offered Spring Semester

Students will apply the knowledge from WELD 165 through practical lab exercises acquiring a rudimentary skill level in pipe welding.

WELD 221  Automated Processes
3 Credits  Offered Spring Semester

An introduction to various automated welding processes in use in today's industries, including orbital TIG and MIG welders, electron beam welders, laser beam technology and submerged arc welding.

WELD 235  Welding Blueprint II - Pipe Drawings
2 Credits  Offered Fall Semester

This course provides the welding technologist with the skills necessary for reading and interpreting pipe drawings. Course content includes the AWS's adopted standards for weld symbols. Prior completion of Basic Blueprint Reading or its equivalent with a passing grade on a competency test is required.

WELD 236  Fabrication Techniques - Layout & Fitting
3 Credits  Offered Spring Semester

This course will enable the student to perform basic layout of pipe, figure offsets, runs, and travel distances, and aid students in understanding the variables that greatly affect welding fabrication.

WELD 241  Material Preparation
1 Credit  Offered Fall Semester

This course provides students with the methods and procedures for preparing materials for various pipe welding operations.

WELD 242  Metallurgy
3 Credits  Offered Fall Semester

Course concepts explain the metallurgical behaviors and determinations of the weldability of ferrous and non-ferrous metals.

WELD 243  Welding Quality and Inspection
2 Credits  Offered Spring Semester

This course is structured to introduce the welding technologist to the fundamentals of welding specifications, terminology, weld codes, standards and specifications, test methods, quality control and welding qualifications.

WELD 265  Pipe Welding I - SMAW Theory
2 Credits  Offered Fall Semester

Procedures are aimed at producing welds which will meet the requirements of the commonly used codes. Preparation
for certification of welding test in accordance with AWS and ASME codes.

WELD 265L  Pipe Welding I - SMAW Lab  Offered Fall Semester
5 Credits

Procedures are aimed at producing welds which will meet the requirements of the commonly used codes. Preparation for certification of welding test in accordance with AWS and ASME codes.

WELD 266  Pipe Welding II - SMAW & GTAW Combination Theory
1 Credit  Offered Fall Semester

Procedures and methods for producing welds using gas tungsten arc welding and shielded metal arc welding on ferrous metals will be covered.

WELD 266L  Pipe Welding II - SMAW & GTAW Combination Lab
2 Credits  Offered Fall Semester

This course will enable the welding student to perform pipe welds using gas tungsten arc welding and shielded metal arc welding on ferrous metals.

WELD 267  Pipe Welding III - GTAW Theory
1.5 Credits  Offered Spring Semester

Procedures and methods for producing welds using the gas tungsten arc welding process on both ferrous and non-ferrous metals will be covered.

WELD 267L  Pipe Welding III - GTAW Lab
3 Credits  Offered Spring Semester

Students will apply code quality procedures to develop a high quality and appearance using the gas tungsten arc welding process on both ferrous and non-ferrous metals. Students will also gain practical experience in fitting branches and lateral configurations.

WELD 268  Pipe Welding IV - Certification Theory
1.5 Credits  Offered Spring Semester

This course will have special emphasis on qualification tests for piping and tubing.

WELD 268L  Pipe Welding IV - Certification Lab
3 Credits  Offered Spring Semester

Practical application of methods and procedures for qualification tests for piping and tubing will be the focus of this course.

ZooLOGY

ZOOL 107  Human Anatomy and Physiology I
4 Credits  Offered Fall Semester

This course offers a homeostatic approach to the study of the human body, from the level of the cell to organ systems, with special emphasis on acid-base balance and important physiological problems. Systems covered include skeletal, muscular, nervous, and respiratory. It is designed primarily for students enrolled in health-related fields. Also included is one three-hour lab per week.

Human Anatomy and Physiology will give 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 that should interest students wishing to take a science elective as well as those in the health-related areas. Prior completion of CHEM 107 is strongly recommended. This course fulfills a laboratory science requirement for the A.S. degree.

ZOOL 108  Human Anatomy and Physiology II
4 Credits  Offered Spring Semester

This course is a continuation of ZOOL 107 and covers the cardiovascular, digestive, urinary, and reproductive systems; the sense organs; and metabolism. It is designed primarily for students enrolled in health-related fields. Included is one three-hour lab per week.

Human Anatomy and Physiology will give 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. Prior completion of ZOOL 107 or CHEM 107 and permission of the instructor is required. It fulfills a laboratory science requirement for the A.S. degree.

ZOOL 202  General Zoology
4 Credits  Offered Spring Semester

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. Included are two two-hour labs per week. This course is required for students in medicine, dentistry, optometry, pharmacy, veterinary medicine, certain forestry options, medical technicians, all biology majors, and interested general studies students. Prior completion of BIOL 100, BIOL 201, or high school biology and permission of instructor is required.
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APPLICATION FOR ADMISSION • NORTH IDAHO COLLEGE
Office of Admissions, 1000 West Garden Ave., Coeur d'Alene, ID 83814 (208) 769-3311

PLEASE TYPE OR PRINT CLEARLY IN INK. ANY ITEMS LEFT BLANK WILL DELAY THE PROCESSING OF YOUR APPLICATION.

Have you ever attended any other college before? □ No □ Yes
Have you ever applied for admission to North Idaho College? □ No □ Yes; Year, Term: ____________________________
Have you previously attended North Idaho College? □ No □ Yes; Year: ______________________________________
If Yes: ___________ For credit: ___________ Days: ___________ Evenings: ___________ Off Campus: ___________ Coeur d’Alene campus
For Non credit: ___________ Community Ed/Special Interest: ___________ Short-Term Job Training Program

Full Legal Name: ___________________________ ___________________________ ___________________________
Last First Middle
Name you prefer to be addressed or called (include titles if desired):

Other name(s) used (for previous transcripts, maiden name, etc):

Social Security Number: ___________________________
NIC I.D. (if known): ___________________________

Perm. Address:
Street Address: ___________________________ City: ___________________________ State: ___________________________ Zip: ___________________________
(Please include area code)
Tel: ___________________________ Phone: ___________________________

Where are you currently living, if different from above address? If temporary, until what date? / /
Street Address: ___________________________ City: ___________________________ State: ___________________________ Zip: ___________________________
(Please include area code)
Tel: ___________________________ Phone: ___________________________

Will you be □ Degree Seeking? □ Non-Degree Seeking? What is your intended major area of study? [ ] [ ] [ ]

Do you plan to apply for financial aid or veterans benefits through NIC? □ No □ Yes

What term do you plan to begin? □ Fall, Aug 19 □ Spring, Jan 19 □ Summer Only 19 □ Summer/Fall 19

COUNTY of Residence:
From ___________ to ___________ (If less than 12 months, previous county: _______)

STATE of Residence:
From ___________ to ___________ (If less than 12 months, previous state: _______)

(Notes: If you have been a resident of Idaho County for at least one year and less than 12 months, you will need to complete the residency questionnaire)

Are you a U.S. citizen? □ No □ Yes 
If no, what country:

If not the U.S., what is your visa status? □ Visitor □ International Student □ F or M visa □ No visa at this time

□ Refugee □ Alien or Conditional Resident Alien Number: ___________________________

□ Other (Explain): ___________________________

This section is optional to complete:

□ Female □ Male Birthdate / / Birthplace: (city): ___________________________ (State): ___________________________

□ American Indian/Alaskan Native □ Asian/Pacific Islander □ Black, Afro American
□ Hispanic □ No Response □ White/Non-Hispanic

High School attending or last attended:

High School EIN (code number): ___________________________ Location: ___________________________
(Common for HS students. Check with your counselor for HS code number)
City: ___________________________ State: ___________________________
High School graduation status: Date, or anticipated date, of graduation: / /
GED, date completed: / / Issuing institution: ___________________________
□ Not a High School graduate (Please contact the Admissions Office for more information)

Colleges/Universities: List all colleges and universities in order of attendance (no exceptions). If you are currently enrolled in a college/university, please indicate your anticipated leaving date: __/__/____

Current Enrollment:

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<th>Credits Earned</th>
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Previous Enrollment:

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Military Veteran: □ No □ Yes  If yes, dates of service: __/__/____ to __/__/____

Housing: Do you plan to apply for college residence hall accommodations? □ Yes □ No

Who would you like us to contact in an emergency?

Name ___________________________

Relationship _______________________

Address __________________________

City ____________________________

State __________________________

Zip ____________________________

Phone __________________________

I understand failure to submit complete official transcripts from all schools, colleges, or universities attended may result in the denial of this application or my subsequent dismissal from North Idaho College. I certify to the best of my knowledge all statements I have made in this application are complete and true. All materials submitted by me for the purposes of admission become the property of North Idaho College. I understand that falsification, withholding pertinent data or failure to report changes in my residency status may result in my dismissal.

Name of Applicant (print): ____________________________

Signature of Applicant: ____________________________

Date: ____________________________

North Idaho College subscribes to the principles and laws of the State of Idaho and the Federal Government, including applicable executive orders pertaining to civil rights. This Institution is 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.

504 Policy: Federal law prohibits us from making a preadmission inquiry about disabilities. Information regarding disabilities, voluntarily given or inadvertently received, will not adversely affect any admissions decisions. If you require special services because of a disability, you may notify the Student Services Office. This voluntary self-identification allows North Idaho College to prepare appropriate support services to facilitate your learning. All information received will be held in strict confidence.

Codes for Majors: (Use this list to indicate your Major Area of Study on the front side of this form).

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