

# WILLISTON STATE COLLEGE

## CATALOG 2013-2014



Where the people make [the difference].



WILLISTON  
STATE COLLEGE



## CATALOG 2013-2014

This catalog is published by Williston State College to provide prospective students and other interested individuals with information about this institution.

The information, announcements, tuition rates, fees, programs, and course descriptions in this catalog are subject to change without notice, and may not serve as binding obligations with the State of North Dakota or Williston State College.





## WELCOME TO WSC

### ACCREDITATION

Williston State College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, 230 South LaSalle St., Suite 7500, Chicago, IL 60604. 800.621.7440. [www.ncahlc.org](http://www.ncahlc.org)

### EQUAL OPPORTUNITY POLICY

Williston State College operates in accordance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendment Act of 1972, and Section 504 of the Rehabilitation Act of 1973 which provide that "No person in the United States shall, on the basis of sex, race, color, or national origin, be excluded from participation in, be denied benefits of, or be subject to discrimination under any program or activity receiving federal financial assistance; and prohibits discrimination on the basis of handicap against existing employees, students and applicants for employment and admission." Williston State College does not discriminate on the basis of disability in admission or access to, or treatment or employment in, its programs or activities.

The Coordinator for Title VI, Title IX, Section 504 and Section 35.107 of the Department of Justice regulations is Michelle Remus, Director for Human Resources. She may be contacted by writing to Williston State College, 1410 University Avenue, Williston, ND 58801 or by calling 701.774.4200.

### VISITORS

Visitors are welcome. Campus tours may be arranged in advance by contacting the Enrollment Services Office by calling 701.774.4200. Prospective students are encouraged to visit the Williston State College campus when classes are in session to get a genuine feel for campus life. Campus tours may, however, be arranged at other times.

### DISCLAIMER FROM THE NORTH DAKOTA STATE BOARD OF HIGHER EDUCATION

The State Board of Higher Education requires that the following announcement be published in all catalogs and bulletins of information issued by the state educational institutions of North Dakota: "Catalogs and bulletins of educational institutions are usually prepared by faculty committees or administrative officers for the purpose of furnishing prospective students and other interested persons with information about the institutions that issue the same. Announcements contained in such printed material are subject to change without notice; they may not be regarded as in the nature of binding obligations on the institutions and the State. In times of changing conditions it is especially necessary to have this definitely understood."

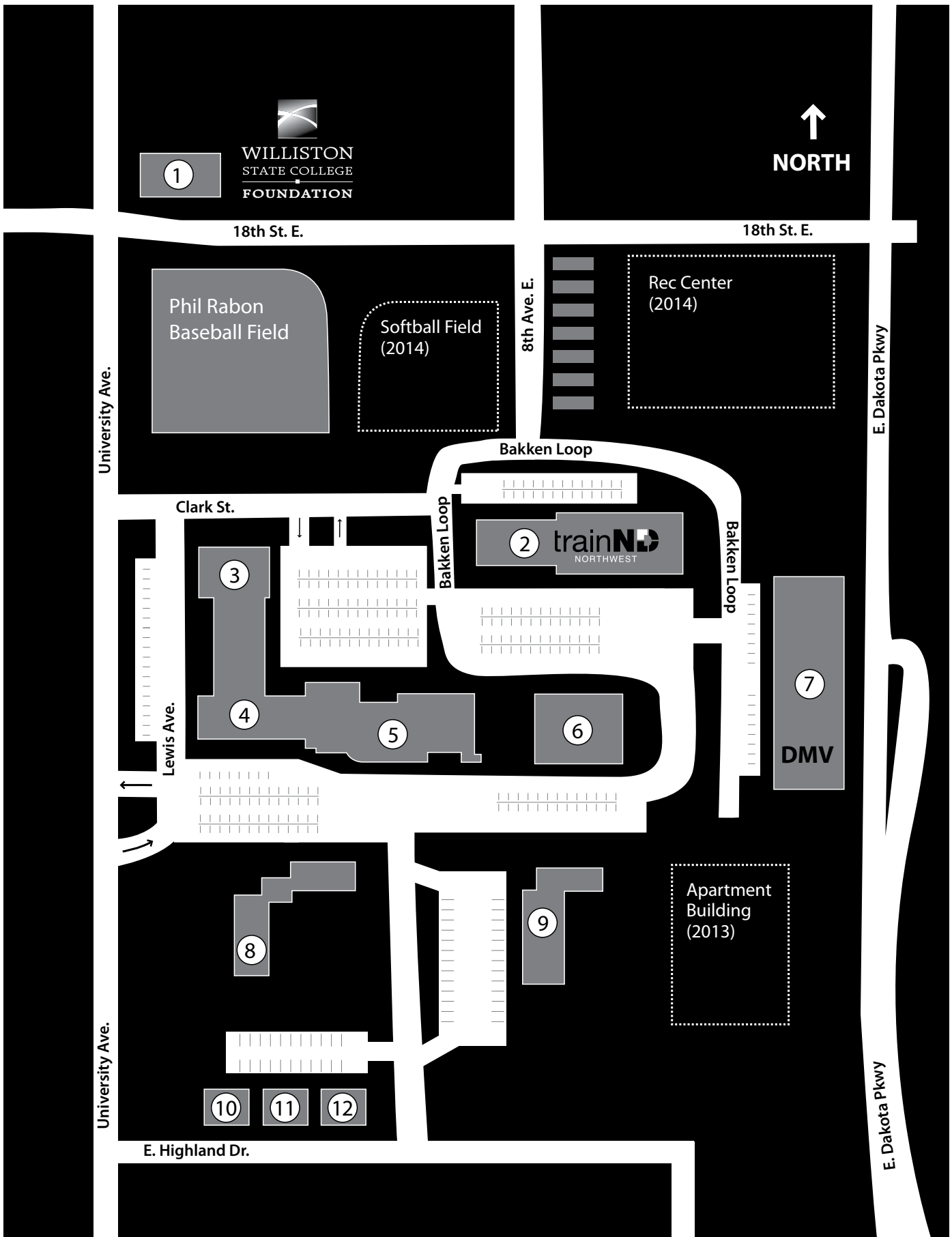


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# WSC [CAMPUS MAP]



# WILLISTON STATE COLLEGE

## CAMPUS MAP 2013

**1. WSC FOUNDATION**

Nonprofit agency that manages donations made by community members and alumni to the college and its students.

**2. CRIGHTON BUILDING**

Classrooms and labs for diesel technology program, TrainND and workforce training.

**3. SCIENCE ADDITION**

State-of-the-art labs for biology, anatomy, physics, chemistry, science faculty offices and student lounge overlooking baseball field.

**4. STEVENS HALL**

Classrooms for business, accounting, SPLA, liberal arts/transfer programs, administrative offices, faculty offices, labs, dining service, library/learning commons, bookstore, game room, multi-purpose gymnasium and student lounge.

**5. THOMAS WITT LEACH**

**HEALTH SCIENCE & SPORTS COMPLEX**

Gymnasium, walking track, fitness facility, faculty and athletic offices. Health, physical education, nursing, medical transcription, health information technician and massage therapy programs.

**6. ART WOOD BUILDING**

Classrooms and labs for automotive technology program.

**7. WESTERN STAR CAREER AND TECHNOLOGY CENTER**

Welding, carpentry (high school), DMV and TrainND.

**8. FRONTIER HALL**

Coed residence hall for students up to age 25.

**9. DICKSON HALL**

Students age 25 & older.

**10. ABRAMSON HALL**

Apartment-style/family housing.

**11. MANGER HALL**

Apartment-style/family housing.

**12. NELSON HALL**

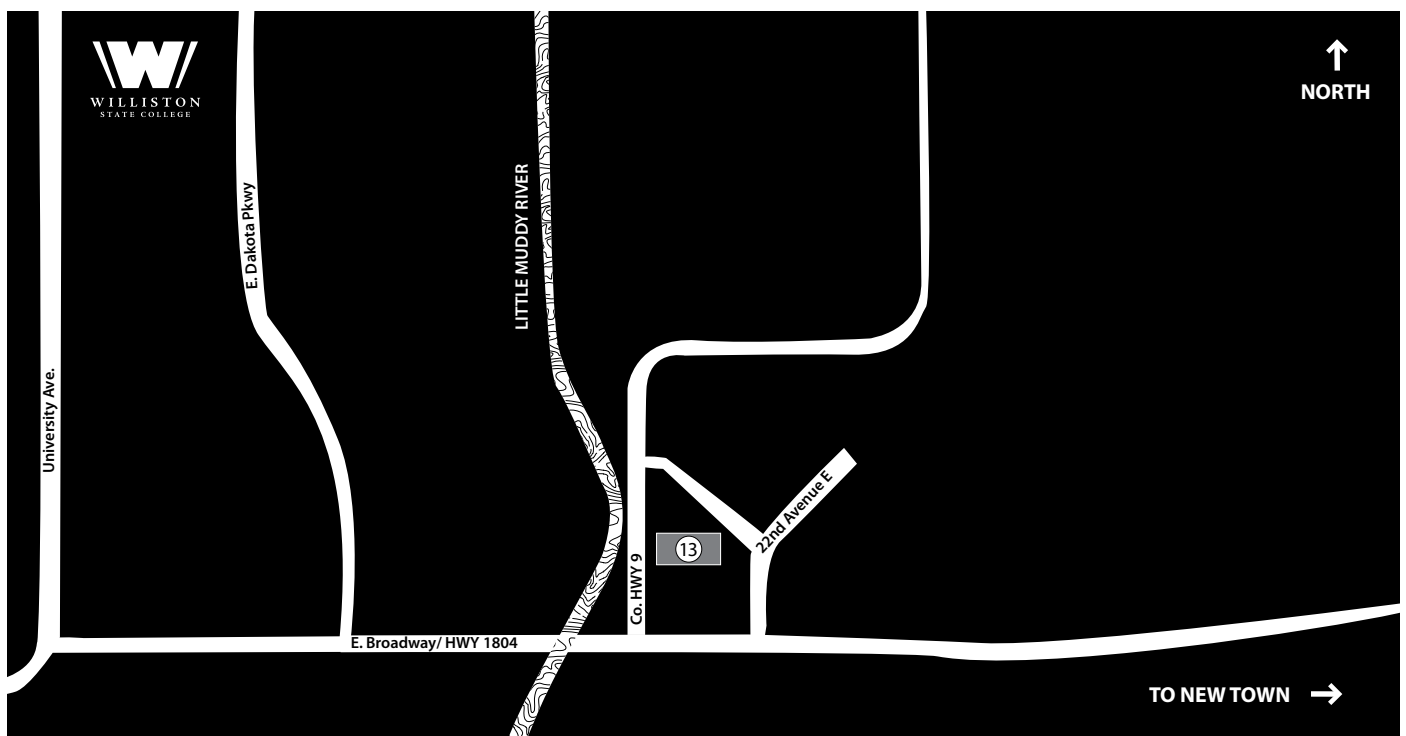
Suite-style housing.

**13. PETROLEUM SAFETY & TECHNOLOGY CENTER**

(421 22ND AVENUE EAST)

Classroom and hands-on training for oil and gas classes. Located in the industrial park on the east side of Williston beyond the main campus.

From WSC take University or E. Dakota Parkway South to E. Broadway/HWY 1804  
TURN LEFT (East) on E. Broadway/HWY 1804  
TURN LEFT (North) on 22nd Ave East  
It's the second building on the left behind XTO Energy



# WSC [2013-2014 ACADEMIC CALENDAR]

## 2013-2014 ACADEMIC CALENDAR

### FALL SEMESTER

Residual Registration	August 26
Orientation	August 26
Instruction Begins	August 26 at 4:00 pm
First Full Day of Classes	August 27
Last Day to ADD a Course for Credit (Via Campus Connection Self-Service)	August 30
Last Day to ADD a Course for Credit (With Faculty Permission)	September 4
Last Day to DROP a Full Semester Course w/out Transcript Notation*	September 4
Last Day to Change a Course to AUDIT	September 4
HOLIDAY, LABOR DAY	September 2
Final Bill Payment Deadline	September 11
HOLIDAY, VETERAN'S DAY	November 11
Last Day to WITHDRAW from Full-Term or Drop with Record**	November 15**
HOLIDAY, THANKSGIVING	November 28
Semester Exams	December 16-20

### SPRING SEMESTER

Residual Registration	January 13
Instruction Begins	January 13 at 4:00 pm
First Full Day of Classes	January 14
Last Day to ADD a Course for Credit (Via Campus Connection Self-Service)	January 17
HOLIDAY, MARTIN LUTHER KING JR DAY	January 20
Last Day to ADD a Course for Credit (With Faculty Permission)	January 23
Last Day to DROP a Full Semester Course w/out Transcript Notation*	January 23*
Last Day to Change a Course to AUDIT	January 23
Final Bill Payment Deadline	January 29
HOLIDAY, PRESIDENTS' DAY	February 17
HOLIDAY, SPRING BREAK	March 17-21
HOLIDAY, GOOD FRIDAY	April 18
HOLIDAY, EASTER MONDAY	April 21
Last Day to WITHDRAW from Full-Term or Drop with Record**	April 11**
Semester Exams	May 12-16
Commencement	May 16

### SUMMER SESSION

Instruction Begins	June 7
Drop, Add, Refund Dates	TBA

### OFFICIAL WILLISTON STATE COLLEGE HOLIDAYS:

LABOR DAY	September 2
VETERAN'S DAY	November 11
THANKSGIVING DAY	November 28
CHRISTMAS DAY	December 25
NEW YEAR'S DAY	January 1
MARTIN LUTHER JR. KING DAY	January 20
PRESIDENTS' DAY	February 17
GOOD FRIDAY	April 18
EASTER MONDAY	April 21
MEMORIAL DAY	May 26

\*The dates listed above refer to the full term courses only. For any courses with special session dates please refer to the course syllabi.

Future Williston State College academic calendars can be found on the North Dakota University System website. Please refer to the following site for future calendars: [ndus.edu/students/academic-calendar/](http://ndus.edu/students/academic-calendar/)



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**W**  
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# WSC [GENERAL INFORMATION]

## GENERAL INFORMATION

### NORTH DAKOTA STATE BOARD OF HIGHER EDUCATION

The North Dakota State Board of Higher Education, established in 1939 by the voters of North Dakota, is the governing body for the state's 11 publicly-funded institutions which comprise the North Dakota University System. The SBHE carries out its constitutional responsibilities through a comprehensive set of policies and administrative rules and regulations.

The board includes seven citizen members appointed by the governor who serve four-year terms and one student appointed by the governor for a one-year term. A non-voting faculty advisor is selected by the Council of College Faculties.

### THE COLLEGE

"Williston, population 23,000, offers cultural events and many entertaining options. The surrounding countryside offers unique opportunities for hiking, cycling, canoeing, fishing, hunting, and one of the best public golf courses in the nation. Once explored by Lewis and Clark, this place where the Missouri and Yellowstone rivers meet, is dotted with reminders of North Dakota's rich history, including restored forts Buford and Union."

Williston State College operates as a two-year public community college in the North Dakota University System. The college is one of eleven institutions under the jurisdiction of the North Dakota State Board of Higher Education. Williston State College is authorized under Federal law to enroll nonimmigrant students.

Williston State College offers transfer programs leading to Associate in Arts and Associate in Science Degrees. Students can complete the first two years of many majors and transfer with junior status to most four-year colleges and universities.

The Associate in Applied Science Degree, the diploma and the certificate program are awarded to students completing career-technical programs. Students receiving career-technical training may continue at a four-year college or university, earning an advanced degree.

Williston State College operates on the semester calendar. All academic units are expressed in terms of semester credit hours.

### MISSION

The mission of Williston State College, "Where the People Make the Difference," is to provide accessible, affordable, life changing, and life-long educational pathways to residents of North Dakota, the Upper Plains, and beyond.

### VISION

We are committed to student excellence. We embrace quality student experiences, open communication, and actionable data that enrich personal relationships among our college, faculty, and students.

We believe that people make the difference; that the college is the heart of the communities we serve; that our facilities are a needed, neutral, and central community space; and that our faculty and staff serve multiple and diverse needs in a global environment.

We strive for a strong student presence on-campus, expanded offerings, fiscal sustainability, modern facilities, current technologies, and continuous improvement as a result of both our master and strategic plans.

### VALUES

Truthfulness	Relationships
Empowerment	Vision
Inspiration	Achievement
Personal and Professional Growth	Success

## PURPOSE

The two-year colleges respect and acknowledge the need to remain open to evolutionary change to insure they can respond to the needs of the citizens of North Dakota. They share the following core purposes.

1. To provide academic transfer courses and programs which are parallel and equivalent to those offered during the first two years at baccalaureate institutions.
2. To provide career and technical education, as well as customized training, to prepare the learner for careers in a specific occupation.
3. To provide cultural, educational, occupational, and vocational programs to each campus' host community and the state of North Dakota in the form of courses, workshops, seminars, and institutes.
4. To provide community service and applied research in collaboration with business and industry to enhance economic development.
5. To provide open access and support services for a diverse student body.
6. To facilitate baccalaureate and graduate degree course work within the service area via telecommunications and other appropriate modes.

## HISTORY

In 1931, legislative action authorized the establishment of junior colleges in North Dakota cities with a population of more than 10,000. The Legislative Assembly amended the law in 1941 to allow junior colleges in cities with a population of more than 5,000. An extension of junior college legislation came in 1961 with the approval of the North Dakota State Board of Higher Education to establish an off-campus education center in conjunction with a state supported college or university. Williston State College resulted from this legislation.

The University of North Dakota in Grand Forks began offering extension classes in Williston in the Fall of 1957. In 1961, Williston State College, then known as the University of North Dakota-Williston Center, founded its own resident campus, faculty, and curricula through a contractual arrangement between the University of North Dakota in Grand Forks and Williston School District #1. This contractual arrangement continued until the college became the responsibility of the North Dakota State Board of Higher Education on July 1, 1984, at which time the college became known as the University of North Dakota-Williston.

Legislative action in 1999 expanded the college's mission to include workforce training, at which time it became an autonomous campus and its name was changed to Williston State College.

Williston State College has grown from an extension center, established in 1957, to an institution with a student body of more than 800 students and over 150 faculty and staff providing educational opportunities to the greater Williston area.

## CAMPUS

Williston State College has occupied the main building located on an 80 acre campus since 1967. The administration and faculty offices, classrooms, learning commons (library), multi-purpose gymnasium, and dining services are located in this building. The student center addition, completed in 1975, includes an auditorium, bookstore, coffee bar, game room, student lounge, classrooms, and offices. The science center addition, constructed in 2012, houses laboratory space and faculty offices for the science and math department.

Constructed in 1972, The Art Wood building, now houses faculty offices, classrooms, and shops for the automotive technology program.

The Crighton Building was constructed in 1972. An addition to this building was constructed in 1993. The Crighton Building houses faculty offices, classrooms, laboratories, and a shop for the diesel technology program. TrainND is also located in the Crighton Building, utilizing classrooms, training laboratories, offices, and testing facilities.

The Thomas Witt Leach Complex, constructed in 2003, houses faculty offices, classrooms, and laboratories for the nursing, and massage therapy

## WSC [GENERAL INFORMATION]

programs, as well as health, physical education, and recreation classes and activities. A walking track and fitness facility are also housed here. This complex provides the college and surrounding communities a premier activity, cultural, and sports venue.

The Western Star Career and Technology Center was constructed in 2011. It houses faculty offices, classrooms, meeting space, and laboratory space for agriculture, residential carpentry, and welding programs.

Housing consists of a 170-bed co-ed residence hall for students up to age 25, an 8-bed residence hall for students over the age of 25, and 2 four-plex apartment buildings for family housing.

Two outdoor tennis/basketball courts are available on campus, as well as an outdoor athletic complex, built in 2003, which includes a regulation baseball field.



# WSC [PROGRAM INFORMATION]

## PROGRAM INFORMATION

### INSTITUTIONAL STUDENT LEARNING OUTCOMES

1. Students will demonstrate effective communication skills.
2. Students will use reasoning skills to analyze and solve problems.
3. Students will demonstrate knowledge of diverse cultures and value system.
4. Students will apply health-related knowledge to promote physical and mental well-being.

### DEGREES AWARDED

Williston State College offers the following degrees and certificates:

#### **ASSOCIATE IN APPLIED SCIENCE (A.A.S.)**

The Associate in Applied Science degree combines career-technical coursework with general education coursework. In the career-technical specialty field, the degree prepares students for jobs. The general education area provides broader education than would be available in a certificate or diploma program with at least 15 credit hours of general education required, but typically does not meet the 36 credit hour General Education Transfer Agreement (403.7) requirements. The A.A.S. requires a minimum of 62 semester credit hours, and it may designate a specific field of study.

#### **ASSOCIATE IN ARTS (A.A.) AND ASSOCIATE IN SCIENCE (A.S.)**

These associate degrees consist primarily of diverse, introductory-level courses in general education and professional areas and require at least 62 semester credit hours. Required courses for the A.S. degree place greater emphasis on the sciences than is true of the A.A. Both degrees prepare students for transfer to baccalaureate programs and meet General Education Transfer Agreement (403.7) requirements. They do not designate a specific program or major.

#### **PROGRAM DIPLOMA**

A program diploma represents completion of a prescribed program of two years or less in a career-technical field with some general education course work.

#### **PROGRAM CERTIFICATE**

A Program certificate is a specialized course of study requiring at least 16 credit hours at the undergraduate level or 8 credit hours at the graduate level.

#### **CERTIFICATE OF COMPLETION**

A certificate awarded for the completion of:

1. A non-credit course of study, or
2. An undergraduate course of study of less than 16 credit hours

### CONDUCT

Students are expected to show, both within and outside of the college, respect for law and order, personal honor, and the rights of others. Within the college, students are subject to specific policies, rules, and regulations promulgated by student governing groups, faculty, and the State Board of Higher Education. Students are subject to civil law and civil authority.

When students enroll at Williston State College, it is presumed that they have an earnest purpose. This presumption in the students' favor continues until, by neglect of duty or by inappropriate behavior, they bring their status into question. Cases involving student violations of academic or non-academic regulations may be judged by the President, or the Vice President for Student Services. Adjudication will incorporate both substantive due process (fair and equitable treatment) and appropriate procedural due process.

The *Code of Student Life* outlines the rights and responsibilities and expected levels of conduct of citizens in the college community. The purpose of the rules outline is to prevent abuse of the rights of others and to maintain an atmosphere in the college community appropriate for an institution of higher education. Materials included will be beneficial to

student organizations and to members of the college community to gain a better understanding of responsibilities of various boards and communities and to understand students' rights and responsibilities.

### PARTICIPATION AND ATTENDANCE POLICY

Attendance and participation in class activities are deemed essential parts of college education at Williston State College. Participation provides the opportunity for students to grow intellectually and allows them to demonstrate competency in classroom activities.

On the first day of class, students will be informed of the participation and grading policy of each instructor. Instructors may choose to base a part of the students grade on class participation which may include attendance.

At the conclusion of the seventh day of instruction, any student who has never attended a particular class will be dropped from that class. Students wishing to re-enroll after being dropped may do so only with instructor consent, and only if an open seat exists in the class. Procedures for adding a class must be followed. (See information on page 14 regarding changes in registration.)

Students who wish to appeal instructors' actions based on attendance may appeal in accordance with the normal appeal channels as defined in the WSC Code of Student Conduct.

Students who must miss class for reasons not related to college functions or ALL college sanctioned events must inform instructors prior to the absence from classes concerned. Instructors will be informed of school-related absences by the activity advisor and/or coach to confirm times of departure and return.

### ADMISSION TO WILLISTON STATE COLLEGE

Students may be enrolled at Williston State College as one or more of the following:

#### **DEGREE CREDIT STUDENTS**

Students enrolled in institutional instructional activities which result in the award of college credit that can be applied toward a college degree or credit-based remedial courses taken by degree seeking students.

#### **NON-DEGREE CREDIT STUDENTS**

Students enrolled in institutional instructional activities, with the exception of remedial courses typically taken by degree seeking students, which result in the award of college credit which typically cannot be applied toward a college degree. Non-degree credit activities include attached credit.

#### **NON-CREDIT STUDENTS**

Students enrolled in all institutional activities, including CEU only activities, which do not result in award of college credit immediately upon completion of the activity.

#### **NEW, OR FIRST-TIME FRESHMEN**

Students entering any institution for the first time at the undergraduate level, including students enrolled in the fall term who earned college credits in the prior summer term and/or entered with advanced standing before graduation from high school.

#### **TRANSFER STUDENTS**

Students who have earned college credit at another postsecondary institution following high school graduation.

#### **FULL-TIME UNDERGRADUATE STUDENTS**

Students who are enrolled in 12 or more credit hours during fall or spring semester.

#### **PART-TIME STUDENTS**

Students enrolled in courses for credit but less than full-time.

### ADMISSION TYPES

#### **FIRST YEAR STUDENT**

A student who has not previously attended a post-secondary institution after high school graduation or GED completion.

#### **TRANSFER STUDENT**

# WSC [PROGRAM INFORMATION]

A student who has previously attended a post-secondary institution (after high school graduation or GED completion) prior to enrolling at Williston State College.

## READMIT STUDENT

A student returning to complete (an) additional course(s) who has not previously earned a degree from this institution and who has stopped out for one semester or longer.

## NON-DEGREE STUDENT

A student taking (a) course(s) who is not intending to earn a degree from this institution. The institution reserves the right to limit the credits taken as a non-degree student.

## EARLY ENTRY STUDENT

A high school student applying to enroll in (a) college course(s) for college credit only (prior to high school graduation).

## DUAL CREDIT STUDENT

A high school student enrolled in (a) college course(s) before high school graduation who is using the course(s) for both college and high school credit.

## CONTINUING STUDENT

A student returning to complete (an) additional course(s) who has previously earned a degree from Williston State College.

## COLLABORATIVE STUDENT

A student who is enrolled in (a) course(s) from this institution while attending another NDUS institution in the same term. See the Collaborative Contact at the campus from which you intend to obtain your degree for complete details.

## TRANSIENT STUDENT

A student enrolled in (a) course(s) leading toward a degree at another post-secondary institution.

Applicants must submit all items identified to the Admission Office to be admitted to Williston State College. Applicant files will be considered complete and they will be accepted for admission only after all items listed for a student's specific Admission Type (please reference Admission Type for specific requirements) have been received in the Admission Office.

1. **APPLICATION FOR ADMISSION.** This form must be completed and submitted by the applicant. The form can be completed at [www.willistonstate.edu](http://www.willistonstate.edu) or requested in paper format from the Admission Office.
2. **\$35.00 APPLICATION FEE** (US currency). This is a one-time, non-refundable fee paid by new and transfer applicants only.
3. **PROOF OF IMMUNITY** to measles, mumps and rubella. The North Dakota State Board of Higher Education requires that all students attending North Dakota state institutions demonstrate immunity to these diseases. Such immunity can be proven by: a) presenting evidence of two doses of measles, mumps, and rubella vaccine no less than one month apart, from a licensed physician or authorized representative of a state or local health department, b) presenting proof of a positive serologic test for measles, mumps, and rubella, or c) presenting proof of date of birth prior to 1957. Exceptions to this policy may be granted only when: a) immunization is contraindicated by illness, pregnancy, certain allergies, or other medical conditions certified by a licensed physician, b) the applicant has had one immunization and agrees to have a second one no less than one month later, or c) the applicant's beliefs preclude participation in an immunization program. When, in the opinion of the State Health Officer, danger of an epidemic exists from any of the communicable diseases for which immunization is required under this policy, the exemptions from immunization against such disease shall not be recognized and students not immunized or otherwise immune shall not be allowed on campus until, in the opinion of the State Health Officer, the danger of the epidemic is over.
4. **HIGH SCHOOL TRANSCRIPT OR EQUIVALENT.** High school graduates must contact the high school from which they graduated and request that an official transcript of their high school education be sent directly to the Admission Office at Williston State College. This transcript should be sent after completion of grade 12. Applicants who have completed the GED must contact the Department of Public Instruction in the state in which they completed the GED and

request that an official GED transcript be sent directly to the Admission Office at Williston State College.

Transfer applicants with 24 or more semester hours of transferable college credit are not required to submit high school or GED transcripts.

## 5. TRANSCRIPTS FROM OTHER COLLEGES ATTENDED.

Applicants who have attended other post-secondary institutions prior to applying to Williston State College must contact each institution and request that an official transcript of all course work be sent directly from that institution to the Admission Office at Williston State College. Failure to provide information pertaining to all institutions previously attended may result in loss of credit and/or dismissal from Williston State College.

## 6. SCORES FROM THE AMERICAN COLLEGE TEST (ACT).

Every applicant must submit the scores from the official administration of American College Test (ACT) battery (preferred) or the Scholastic Aptitude Test (SAT). Students applying to enroll in these programs who have not met the ACT or SAT requirement may be admitted provisionally but may not register for courses in a second term until they satisfy this requirement. These test scores are not used as a basis for admission. Scores are considered for placement purposes only. For Math and English placement score requirements, please reference North Dakota University System Admission Policy 402.1.2 - Student Placement into College Courses

The following students are exempt from the requirement in subsection 1:

1. Students age 25 or older on the first day of class.
2. Students from foreign countries other than Canada.
3. Students transferring 24 or more semester credits accepted into a degree program at the receiving campus.

Applicants to undergraduate certificate, diploma and associate in applied science programs are strongly encouraged to take the ACT battery (preferred) or the SAT exam; however, institutions may admit such applicants based on ACT COMPASS or College Board Accuplacer scores under established institution procedures.

7. **EMERGENCY CONTACT FORM.** Information provided on this form will be used on the student's behalf in a medical emergency. Completion of an Emergency Contact Form is required for registration. No student will be allowed to register until this information is received. Completion of this form is not an admission requirement. Admission to Williston State College is not influenced by the information provided on the emergency contact form. Note: Students wishing to apply to select career-technical programs must also complete a separate application specific to that program. Refer to program pages for specific requirements.

## STUDENT CLASSIFICATION

### FRESHMAN

A student who has earned fewer than 24 college credits.

### SOPHOMORE

A student who has earned 24 or more college credits.

## ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

Williston State College is authorized under Federal law to enroll nonimmigrant students. In addition to the items previously described, international student applicants must provide the items listed below to complete the admission process.

- A. **Financial Certification Form.** This form is available from the Admissions Office at Williston State College. This form must be completed and appropriately signed, indicating the student has sufficient funds to pay for all educational expenses while in the United States.
- B. **English Proficiency Requirement.** An applicant whose native language is not English is required to demonstrate proficiency in the English language. Campuses shall have the discretion to use higher secondary admission criteria and English proficiency scores for

# WSC [PROGRAM INFORMATION]

## specific programs.

1. At least two years of study, in good standing, at a U.S. high school or regionally accredited U.S. college/university
  2. At least two years of study, in good standing, at a post-secondary institution with English as the language of instruction
  3. A degree or diploma from an institution in which English was the language of instruction
  4. A U.S. General Education Diploma (GED) administered in English
  5. College Composition I and College Composition II, or equivalent courses, with a grade of A or B from a regionally accredited U.S. postsecondary college and/or university
  6. Any of the placement scores on the ACT, SAT, PLAN, COMPASS and/or ACCUPLACER for English:
    - a. ACT English sub test of 18 or higher
    - b. PLAN English sub test of 15 or higher
    - c. SAT Writing of 450 430 or higher
    - d. COMPASS Writing Skills of 77 or higher
    - e. ACCUPLACER Write Placer of 5 or higher
  7. The Test of English as a Foreign Language (TOEFL), with a minimum internet-based test (iBT) score for research institutions of 71 (or paper-based test score of 525), regional institutions may consider a minimum TOEFL internet-based test score of 68 (or paper-based test score of 523); or a minimum TOEFL internet based test score of 65 for community colleges
  8. The International English Language Testing System (IELTS), with a minimum score of 6.0, technical based programs may consider a minimum IELTS score of 5.5
  9. The Pearson Test of Academic English (PTE-A) with a minimum score of 50
  10. The Michigan English Language Assessment Battery (MELAB) with a minimum score of 55
  11. ELS intensive level 109 certificates for non-research/technical/contract based programs; all other applicants must have completed and obtained ELS intensive level 112 certificates for research based programs
- C. Medical/health insurance. International students from countries other than Canada are required to carry a health insurance policy while enrolled at Williston State College. Williston State College makes this coverage available for international students through contract with a health insurance vendor. Applicants may contact the Associate Dean of Enrollment Services for additional information.**
- D. English translation of educational records. International student applicants must provide the Admissions Office at Williston State College with an official translation of any formal education documents which are not written in English.**
- E. Immigration documents. In addition to the requirements outlined above, applicants are subject to all rules, regulations, and requirements of the U.S. Department of Homeland Security and U.S. Immigration and Customs Enforcement, including payment of a \$200 SEVIS processing fee. Applicants may contact the Admissions Office for additional information. Upon completion of all admission requirements, applicants will be issued necessary educational immigration forms. Applicants are responsible for obtaining necessary passports and visas. Upon arrival at Williston State College, new students from all countries except those identified by U.S. health officials as low risk for tuberculosis must undergo TB skin testing. Testing will be coordinated through the Admission Office.**

## REGISTRATION

Registration is open to returning students in good standing (academic, financial, and/or other), new and transfer students who have completed the application process.

Returning students may register on-line according to the published registration calendar. The registration calendar varies each academic year. Contact the Admission Office at Williston State College or log onto [www.willistonstate.edu](http://www.willistonstate.edu) for specific registration dates.

New full-time, degree-seeking students attending classes on campus and returning students who have not taken classes with WSC during the past year are required to attend a registration session. The calendar for registration sessions vary each academic year. Please contact the Admissions Office at Williston State College for specific dates.

At the registration sessions students will take a COMPASS test (if the ACT or SAT has not been taken), meet with an advisor to select course schedule, register for classes, set up an email account, and get a student ID.

Class schedules are prepared and posted to the web several weeks before the first scheduled registration date. Students may view and access the class schedule on the web through the Campus Connection portal at [www.willistonstate.edu](http://www.willistonstate.edu).

Registration is complete after all materials are appropriately submitted and proper tuition and fees have been paid.

Students must enroll in a minimum of 12 credit hours to be considered a full-time student. In order to graduate in two years, the average full-time student enrolls in 16 credit hours. Students may not enroll in more than 20 credit hours without approval from the Dean for Instruction. Any student enrolled in less than 12 credit hours is considered a part-time student.

Students receiving financial assistance should be aware of specific credit hour requirements for funding.

## CHANGES IN REGISTRATION

After students have registered for classes, they may make changes to their class schedules via the Campus Connection portal on the WSC website. Students should consult their advisors before making a schedule change.

Schedule changes will be allowed according to the published schedule and must be made according to the guidelines listed.

## ADDING A CLASS

Students may add full-term classes to their existing schedules, or change sections anytime through the seventh day of instruction. These changes are allowed via the Campus Connection Self-Service portal through the fourth day of the term, and by special permit through the seventh day. Students may add shorter-term classes to their existing schedules on a pro-rated time schedule.

## CHANGING GRADE STATUS

Students may change a full-term class to or from audit status or S/U grading anytime through the seventh day of instruction. These changes are allowed via the Campus Connection Self-Service portal through the fourth day of the term, and by special permit through the seventh day. Students may change a shorter-term class to or from audit status or S/U grading on a pro-rated time schedule.

## DROPPING A CLASS

Students may drop a full-term class anytime through the seventh day of instruction without the class being recorded on their official transcripts. Students may drop a class that meets less than a full term on a pro-rated time schedule without the class being recorded on their official transcripts.

## WITHDRAWING FROM A CLASS

Dropping a class after the time frame defined above is considered a class withdrawal and results in a "W" being placed in the grade column on the student's official transcript. Students may withdraw from full term classes up to and through 75% of the term. Students may withdraw from a class that meets less than a full term on a pro-rated time schedule. After this time, students may no longer drop or withdraw from classes and will receive grades based on their performance in each class. (See page 5 for calendar dates specific to each term.)

## COLLEGE WITHDRAWAL

# WSC [PROGRAM INFORMATION]

Students wishing to withdraw from Williston State College prior to the end of the semester must contact the Records Office. Office personnel will direct students through the proper withdrawal process.

Students may withdrawal their enrollment in all courses not yet completed any time prior to completion of 75% of the term. Exceptions may be made for students with major physical or mental illness or other significant incapacity only.

Students leaving Williston State College without completing the official withdrawal process will earn a grade of "F" in all courses.

## ACADEMIC REQUIREMENTS FOR TRANSFER STUDENTS

Students must be in good academic standing upon leaving their previous college to be admitted at Williston State College. Students leaving their previous college(s) on academic probation will be admitted to Williston State College on academic probation. These students may be enrolled in a limited number of credits, and may be required to participate in the Student Success program to improve their chance of success at Williston State College. Students admitted on academic probation are required to demonstrate academic improvement to remain enrolled. Students who have been academically suspended from the previous college attended (for the semester immediately preceding the one in which they wish to enroll at Williston State College) will be admitted to Williston State College after one complete semester has passed or an admission appeal has been accepted.

## TRANSFER CREDIT

Williston State College accepts credits in transfer from regionally accredited colleges and universities. All credits from regionally accredited colleges and universities will be accepted. The Registrar, in consultation with the department, determines acceptability of transfer credits. Contact the Registrar for specific information on credit transfer and course evaluation.

Williston State College may award credit for learning at unaccredited and non-degree granting institutions through the Credit for Prior Learning Process.

## ORIENTATION

Orientation for new and transfer students is held prior to the start of the fall semester. Emphasis is placed on advisement, financial planning, and general information to acquaint students with faculty, programs, and resources available at Williston State College.



## STUDENT RECORDS

### FERPA

As custodian of student records, and in compliance with the Family Educational Rights and Privacy Act of 1974, as amended (FERPA), Williston State College assumes the trust and obligation to ensure full protection of these student records.

Student records maintained by Williston State College fall into two general categories; directory information and student educational records.

Directory information (as defined under the provisions of FERPA) may be released publicly in printed, electronic, or other forms at the discretion of personnel of this institution.

**DIRECTORY INFORMATION** is defined to include:

1. Name (all names on record)
2. Address (all addresses on record)
3. E-mail address (all electronic addresses on record)
4. Phone number (all phone numbers on record)
5. Height, weight and photos of athletic team members
6. Date of birth
7. Place of birth
8. Major field of study (all declared majors)
9. Minor field of study (all declared minors)
10. Class level
11. Dates of attendance
12. Enrollment status
13. Names of previous institutions attended
14. Participation in officially recognized activities and sports
15. Honors/awards received
16. Degree earned (all degrees earned)
17. Date degree earned (dates of all degrees earned)
18. Photographic, video or electronic images of students taken and maintained by the institution.

Under the Family Education Rights and Privacy Act, students have the right to request directory information not be made public by notifying the Records Office. Students should be aware that information might be collected for use in publications in advance of printing. In order to effectively suppress release of directory information, students must restrict their directory information by the tenth day of the term and not reverse that restriction during the term. Students must personally contact the Records Office to restrict release of directory information.

Campuses receive many inquiries for "directory information" from a variety of sources including, but not limited to, prospective employers, other colleges and universities, graduate schools, licensing agencies, government agencies, news media, parents, friends, and relatives. Students should consider very carefully the consequences of their decision to withhold release of any or all directory information items. Campuses have no responsibility to contact students for subsequent permission to release directory information after it is restricted. Campuses will honor student requests to withhold directory information until the student specifically and officially requests to lift these restrictions. To reverse existing directory restrictions, students must personally contact a staff member in the Records Office.

**EDUCATIONAL RECORDS** are those records which are directly related to a student and maintained by this institution or by a party acting for this institution. These records include any information from which students can be individually identified, and have not been previously defined as public directory information.

Under the laws of FERPA, Williston State College will not disclose information about current or former students nor permit inspection of their educational records without the expressed, written consent of the student. Current and former students will be permitted to inspect and review their own educational records, to the exclusion of their parents and/or guardians. This applies to all students enrolled at Williston State College, regardless of age.

Specific exemptions do apply to the release of educational records. These exemptions include the situations that follow:

1. Parents of students, who are dependents, as defined under tax code must be permitted to inspect and review the educational records of the student.
2. Educational records must be disclosed pursuant to lawfully issued subpoenas or court orders.
3. Educational records may be disclosed if knowledge of personal information contained in these education records is, in fact, deemed necessary by institutional personnel to protect the health or safety of the student or other person.

### ACADEMIC TRANSCRIPTS

In compliance with the Family Educational Rights and Privacy Act of 1974, as amended (FERPA), transcripts will not be issued to a third party without prior, written consent of the student.

Official academic transcripts, including the Registrar's signature and the college seal will be mailed to third parties only after receipt of a written, signed request from the student has been received by the Records Office.

Transcript requests received from students with liabilities to Williston State College (financial or other) will not be honored until all liabilities are satisfied.

### GRADING SYSTEM

At the close of an academic term, each instructor reports a letter grade indicating the quality of a student's work in the course. Honor points are assigned for each semester hour of credit earned in the course, according to the following grading system:

Grade	Explanation	Honor Points
A	Marked Excellence	4
B	Superior	3
C	Average	2
D	Passing	1
F	Failure	0
I	Incomplete	-
S	Satisfactory	-
U	Unsatisfactory	-
AU	Audit	-
W	Withdraw	-

Grade Point Average (GPA) will be calculated by dividing total honor points earned by total hours attempted. Total hours attempted include hours for which letter grades of A, B, C, D, and F are recorded.

### ACADEMIC HONORS

#### PRESIDENT'S HONOR ROLL

At the completion of each semester, full-time students who have earned a GPA of 3.80 or greater for that semester will be named to the President's Honor Roll. This academic honor will be recorded on students' transcripts.

#### DEAN'S LIST

At the completion of each semester, full-time students who have earned a GPA of and between 3.50 – 3.79 for that semester will earn Dean's List Honors. This academic honor will be recorded on students' transcripts.

#### GRADUATION HONORS

Graduates who achieve an institutional academic average of 3.80 or greater will be graduated with high honors. Those with an institutional average of and between 3.50 – 3.79 will be graduated with honors. Graduate honors will be recorded on students' transcripts.

### INCOMPLETE

An Incomplete grade may be assigned to the student who has been in attendance and has done satisfactory work up to a time within four weeks of the close of the course, and whose work is incomplete as a result of extenuating reasons. An Incomplete Grade Reporting Form detailing the work to be completed, expected completion date, and grading standard is to be signed and dated by both the instructor and the student. The form is

# WSC [STUDENT RECORDS]

to be submitted to the Records Office by the grade submission deadline for the semester in which the course was taken.

An Incomplete must be completed within four weeks of the close of the semester in which the grade was received. Extensions beyond the standard administrative conversion deadlines require department chair approval, and may not exceed two Incomplete conversion cycles (8 week total).

A Grade Change Form to change the grade is submitted prior to the administrative conversion deadline set by the College.

The student is completely responsible for the completion of the course. Work not completed within the approved time period will be assigned zero credit, and a final grade computed and submitted to the Registrar by the instructor of the course. Grades not changed within the aforementioned time frame will lapse to a grade of "F".

Credit is awarded and academic standing is determined upon receipt of the changed grade.

## WITHDRAWAL

A "W" will appear on the permanent academic transcripts of students who withdraw from any class after the seventh day of instruction.

Students receiving financial assistance should contact the Financial Aid Office to determine how a class withdrawal might affect future financial assistance.

## S-U GRADING

Grades of "S" or "U" rather than the traditional grades of A through F are used at Williston State College according to the following regulations:

1. Grades of 'S' shall be awarded to students whose grades would have otherwise been A, B, or C. A grade of "U" shall be awarded to students whose grades would have otherwise been D or F.
2. A maximum of twelve S/U credits may be applied toward program completion requirements for any certificate program, diploma program, Associate in Applied Science, Associate in Arts, or Associate in Science Degrees. Approval of the department chair is required for thirteen or more S/U credits.
3. Some courses, as approved by the Williston State College Curriculum Committee, will be offered for S/U grading only. (See course descriptions at back of catalog for grading information.)
4. Students electing to enroll in a course for S/U grading (other than those referred to in #3 above) should secure the approval of the course instructor and his or her academic advisor before enrolling in the course.
5. Students electing to enroll in a course for S/U grading (other than those referred to in #3 above) are cautioned that they may encounter difficulty when attempting to transfer these credits to another institution or when changing programs.

The S/U grading option must be chosen on or before the seventh day of instruction.

## PRE-COLLEGE GRADING

Some courses, as approved by the Williston State College Curriculum Committee, will be numbered lower than 100-level or deemed developmental in nature. Courses lower than 100 level or deemed developmental in nature will not be counted in Grade Point Average Calculations, nor will they count toward total credits successfully completed for graduation purposes. Individual course descriptions should be consulted at back of catalog for grading information.

## AUDIT

Students enrolled in college classes as auditors have a status and responsibility in class distinctly different from that of those taking the course for credit. Auditors are not required to participate in the oral or written work of the class. They take no examinations. They will receive no credit for the course. They are identified as auditors on official class lists. Auditors may not later establish credit in an audited course by taking a

special examination; the course must be repeated in residence to earn credit. Tuition is waived for senior citizens (65 or older) electing to audit courses; however, the student is still responsible for fees.

## REPEATING COURSES

With the exception of a limited selection of courses, students may not receive credit for the same courses more than once. (Students should consult their academic advisors for information on courses that may be repeated for credit.)

Enrolling in a course a second (or subsequent) time will nullify the credit(s) and grade earned for previous enrollment(s). Repeated courses will be noted on student academic transcripts, and only the most recent grade and credit(s) will be used toward program requirements and in calculation of total credits and Grade Point Average.

## GRADE APPEAL

A student wishing to appeal a grade received in a course, for reasons thought to be unfair, must do so within four weeks of the close of the term in which the grade of concern was received. Appeals initiated beyond the time frame defined above will not warrant consideration. Students must follow appropriate channels as outlined below to formally appeal a grade. Students need complete only those channels necessary to resolve the appeal. See WSC Code of Conduct for procedure.

## ACADEMIC STANDARDS

Students are expected to maintain a minimum institutional GPA of 2.00 (C). Students with a GPA of 2.00 or greater remain in good academic standing and will be eligible to continue their studies and/or to graduate upon completion of all required courses.

This academic standards policy is intended to support a successful learning experience at Williston State College. Its intent is to alert students to a potential academic problem and to encourage early corrective action.

Students who do not maintain minimum academic requirements will, at the end of the term in which they fail to meet the minimum standards, be placed on academic deficiency status as indicated below.

Academic Probation will be issued to students with an institutional GPA below 2.00.

Academic Suspension will be issued to students on academic probation whose institutional GPA remains below 2.00 at the end of the next term in which he or she enrolls. Students suspended for academic reasons are not eligible to enroll in classes for a minimum of one semester following the suspension.

Suspended students may appeal the suspension by submitting a written statement of circumstance to the Dean for Instruction within seven days of suspension notice. The Dean for Instruction will conduct the appeal process.

Students allowed immediate re-enrollment through the suspension appeal process may be required to repeat selected courses, enroll in Academic Success Center courses, and/or enroll in a limited number of courses and credits.

## ACADEMIC FORGIVENESS

Students who have interrupted their education for a significant amount of time (generally at least 5 years) may request to have a semester or more of poor academic achievement removed from their GPA calculation. Students may request only complete semesters be removed.

To request academic forgiveness, students must submit a written statement, indicating a basis for request, to the Dean for Instruction. The Dean for Instruction will determine if individual situations warrant academic forgiveness.

Upon approval of academic forgiveness, grades and credits for all classes concerned will be removed from grade point average and cumulative credits.

Students must be currently enrolled at Williston State College to request academic forgiveness. Only courses completed at Williston State College may be considered for academic forgiveness.

# WSC [STUDENT RECORDS]

## **GRADUATION**

Candidates for degrees must formally apply for graduation. Spring graduates must complete the application by April 1. Applications for graduation are available in the Records Office and must be submitted to the Registrar within the time frame specified above.

Upon receipt of applications for graduation, the Registrar will conduct program audits. Degree requirements are based on the catalog under which the student began full-time study. A student who discontinues enrollment on a full-time basis for one or more calendar years is required to meet program requirements as defined in the current catalog and/or as approved by the program coordinator. Although faculty advisors are available to assist students in program planning, the student is ultimately responsible for program completion.

Commencement exercises are held once each academic year at the completion of Spring semester. Students who complete requirements during the Fall, Spring, or Summer session are encouraged to be recognized for their achievements at the annual graduation ceremony



**W**  
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STATE COLLEGE

# WSC [TUITION & FEES]

## TUITION & FEES

For the current tuition and fee rates please visit the Williston State College website at [www.willistonstate.edu/Future-Students/Financing-Your-Education/Cost-of-Attendance/Cost-of-Attendance.html](http://www.willistonstate.edu/Future-Students/Financing-Your-Education/Cost-of-Attendance/Cost-of-Attendance.html).

## NON-RESIDENT TUITION REGULATIONS

If you are not a resident of North Dakota, but you wish to declare residency for tuition purposes, contact the Vice President for Business Services. You will be asked to complete an Application for Resident Student Status. Information provided on the application will provide the basis for residency determination for tuition purposes.

The following guidelines are condensed from the State Board of Higher Education policy on resident tuition, as defined in NDCC Section 15-10-19.1. Under this policy, a resident student for tuition purposes is defined as:

- A. A person whose custodial parent, guardian, or parents, have been a legal resident of North Dakota for 12 months immediately prior to the beginning of the academic term;
- B. A person 18 years of age or older who has been a legal resident of North Dakota for 12 months immediately prior to the beginning of the academic term;
- C. A person who graduated from a North Dakota high school;
- D. A full-time active duty member of the armed forces or a member of a North Dakota national guard unit;
- E. A spouse or a dependent of a full-time active duty member of the armed forces or a member of a North Dakota national guard unit;
- F. A spouse or dependent of an employee of any institution of higher education in the state;
- G. The spouse of any person who is a resident for tuition purposes;
- H. Any other person who was a legal resident of this state for at least three consecutive years within six years prior to the beginning of the academic term; or
- I. A child, spouse, widow or widower of a veteran as defined in NDCC section 37-01-40 who was killed in action or died from wounds or other service-connected causes, was totally disabled as a result of service-connected cause, died from service-connected disabilities, was a prisoner of war, or was declared missing in action.

## PAYMENT, REFUND, AND WITHDRAWAL REGULATIONS

All tuition, fees, and room and board are payable in full each semester by the 12th instructional class day. Registrations may be cancelled if payment is not received by the 12th day of class unless arrangements have been made with the Business Office prior to the 12th instructional class day.

Students receiving financial aid must have their financial aid file complete in order for the Business Office to hold any charges for financial aid funds. Students will not be allowed to enroll in subsequent semesters, and official transcripts and grades will not be released until financial obligations to the college have been paid in full or proper arrangements have been made with the Business Office.

In order to withdraw from Williston State College before the end of the semester, a STUDENT WITHDRAWAL FORM must be secured from the Records Office and properly completed. A student who leaves the college without completing the official withdrawal process may be given a grade of F in all courses and will receive no refund of tuition and fees.

State policy requires that students who withdraw from all classes before 9% of a term is completed shall receive a 100% refund of tuition and fees. (Classes meeting less than the entire semester are refunded on a pro-rata basis.) Refunds for withdrawals after that time are based on pro-rata rates through 60% of the term. On-campus room refunds are also based on pro-rata rates through 60% of the term. For complete cancellations, unearned board costs are refunded based on the amount of the unused meal plan.

## REFUND FOR CLASS DROPS (DROPPING ONE OR MORE, BUT NOT ALL CLASSES)

If a student drops a full-semester class before 9% of a term is completed, the student shall receive 100% refund of tuition and fees, except those which are non-refundable. (Classes meeting less than the entire semester are refunded on a pro-rata basis.) After the refund period listed above, no refund of tuition and fees will be granted on class drops.

## FINANCIAL LIABILITIES

Students with unsettled financial liabilities to Williston State College will have a HOLD placed on their academic file. This hold will prevent the student from receiving grade reports, and/or diplomas at the completion of the academic term. Transcript requests will also be denied until all financial obligations are met.

## FINANCIAL AID

### GENERAL INFORMATION

Williston State College, through federal financial aid programs and local resources, is prepared to provide financial assistance to needy students. Williston State College takes the position that a successful college student should not be compelled to interrupt college for financial reasons.

Financial aid is available in the form of scholarships, grants, loans, work opportunities, fee waivers, or any combination of the above. Financial aid applications and information can be requested from the Financial Aid Office at Williston State College or visit our website at [www.willistonstate.edu](http://www.willistonstate.edu).

The application used for a student to request federal financial aid is the Free Application for Federal Student Aid (FAFSA) available on the internet at [www.fafsa.gov](http://www.fafsa.gov). A student who is determined to have a legitimate financial need will be considered eligible for need-based federal financial aid.

A student's financial aid package is generally made up of "gift" aid (grants and scholarships) and "self-help" aid (loans and employment). Financial aid may be adjusted based on the availability of funds.

All federal financial aid applications for fall enrollment received on or before April 15 will be given first consideration for all federal and state financial assistance for which the student is eligible. Students must have applied for admission in order to be considered for federal aid at Williston State College. Applications received after April 15 will be accepted and evaluated as received and will be subject to the availability of funds.

The WSC Financial Aid Office will request additional documentation for financial aid applicants who have been selected for verification by the Department of Education or who have provided conflicting information on their applications. This documentation can include parent and/or student IRS Tax Transcript, verification worksheets, copies of social security cards, etc. Financial aid funds will not be disbursed until all required information is received and application information is verified.

### SUMMER FINANCIAL AID

Students may also apply for summer financial aid. The summer session is considered an extension of that academic year. Eligibility for the summer session depends on the amount of aid a student received during that academic year. The FAFSA for the academic year in which the summer session begins is the one that must be completed to apply for federal aid. For financial aid purposes, enrollment status is the same as for the academic year. A student must be at least half-time (6 cr. hrs.) in order to be eligible for the Direct Loan. In addition to the FAFSA, the WSC Application Form for Summer Session which is available on the WSC website must be completed and returned to the financial aid office in order to receive an award letter for that session.

To provide students with the most current and up-to-date information regarding financial aid programs, applications, satisfactory academic progress requirements, student rights and responsibilities, refund payments, application processes, and scholarships see [www.willistonstate.edu/future-students/financing-your-education/financial-aid.html](http://www.willistonstate.edu/future-students/financing-your-education/financial-aid.html).

**CONTACT US FOR A TOUR. WE LOOK FORWARD TO SEEING YOU ON CAMPUS!**  
Call 701.774.4200 or 1.888.863.9455 or visit [www.willistonstate.edu/tour](http://www.willistonstate.edu/tour)



# WSC [STUDENT SERVICES]

## STUDENT SERVICES

### ACADEMIC ADVISEMENT

Program scheduling and class planning for students is coordinated through the Instructional Office. Students are assigned advisors based on their selected fields of study. Advisors assist students with program selection, course selection, and formulation of future plans. Students may change advisors by request in the Admission Office.

### ACADEMIC SKILLS CENTER

The Academic Skills Center provides some tutoring, test proctoring, and general college assistance. The Center has computers available for student use and individual and group study areas.

### ADULT BASIC & SECONDARY EDUCATION

The Williston State College Adult Learning Center coordinates the Adult Basic and Secondary Education Program. This program provides services to help adults increase knowledge and improve skills essential in today's world. The four main areas of service are:

- A. **Literacy Skills: Provide literacy skills to adults who are unable to read.**
- B. **Basic Skills: Enable adults to acquire basic skills in mathematics, English, social studies, science, basic computer skills, employability skills, and career planning.**
- C. **GED: Prepare adults for the General Education Development (GED) tests. A GED High School Diploma is issued through the State Adult Education and Family Literacy office of the Department of Public Instruction to those who successfully complete the exams.**
- D. **English as a Second Language: Provide adults who are unable to speak, read, or write the English language with skills to learn the English language.**

### CREDIT FOR PRIOR LEARNING

Williston State College may award credit for learning that took place outside a formal college setting, at unaccredited and non-degree granting institutions, or for courses in which students have superior preparation or knowledge directly related to existing courses in the college catalog.

#### GUIDELINES

Credit may be earned if an enrolled student demonstrates the competencies required for existing courses at Williston State College. Prior learning credit may be awarded for a military training program, College Level Exam Program (CLEP), Advanced Placement (AP) program, credit for industry/certification program, experiential learning program, or the challenge of an examination. Credit will be awarded upon verification of the approved Demonstration of Competencies established in the Williston State College's Credit for Prior Learning Policy.

A maximum of fifteen credits may be awarded per student for prior learning through approved means to meet associate degree or diploma requirements.

A maximum of no more than half of the credits required for a certificate program may be awarded.

Grades will be awarded based on the Williston State College's Credit for Prior Learning grading policy or established articulation agreements where they exist.

A recording fee of half the regular tuition rate per credit hour will be charged for posting the credits earned through the prior learning process. Students intending to transfer to other institutions after study at Williston State College are advised to contact the transfer institution in regard to the acceptance of prior learning credits.

### CAREER PATHWAYS

Personnel offer assistance to help Williston State College students make informed decisions about career and educational goals, using a variety of resources to explore possible careers.

Resources offered include online and in person assistance for students who

are interested in career assessments, help with choosing a major, guidance on resume writing and job interview skills, information on occupational outlooks and hot jobs, and job searches.

For more information contact: Coordinator for Career Pathways 701.774.4594 or WSC Career website <http://www.willistonstate.edu/Current-Students/Career-Services.html>.

## DEMONSTRATION OF COMPETENCIES

### MILITARY TRAINING PROGRAMS

Credit may be granted based upon the recommendations of the American Council on Education, in accordance with institutional Credit for Prior Learning Policy.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Williston State College awards credit for completion of College Level Examination Program (CLEP) subject exams following the minimum requirements for CLEP test scores and credits as approved by the North Dakota University System. WSC does not award credit for CLEP general exams.

### ADVANCED PLACEMENT (AP)

Advanced Placement (AP) credits awarded to students completing high school advanced placement courses and exams according to the standards approved by the North Dakota University System.

### CREDIT FOR INDUSTRY / CERTIFICATION

Williston State College permits students to demonstrate college level competency and establish college credits through the successful completion of approved industry training, in accordance with institutional Credit for Prior Learning Policy.

### EXPERIENTIAL LEARNING PORTFOLIO

Williston State College permits students to demonstrate college level competency and establish college credits, in accordance with institutional Credit for Prior Learning Policy by successfully completing portfolio(s) demonstrating and documenting learning gained from non-academic sources equivalent to traditional non-resident courses.

### CHALLENGE EXAMINATION

Williston State College MAY permit students to demonstrate college level competency and establish college credits by successfully passing an institutional challenge examination, in accordance with institutional Credit for Prior Learning Policy.

### PROPER DOCUMENTATION

Proper documentation, as outlined in Williston State College's Credit for Prior Learning Policy, for each Demonstration of Competency shall be considered valid upon review and approval by the Credit for Prior Learning contact, in accordance with institutional Credit for Prior Learning Policy.

## NON-CREDIT EXAMINATIONS

### AMERICAN COLLEGE TEST (ACT)

The ACT, as required of students by the North Dakota State Board of Higher Education, may be written on the Williston State College campus. This is a nationally developed and scored examination, administered several times each year. For specific test dates and registration deadlines visit their website at [www.actstudent.org](http://www.actstudent.org).

### ASE-AUTOMOTIVE SERVICE EXCELLENCE EXAM

This automotive test is offered at WSC periodically. ASE's mission is to improve the quality of vehicle repair and service through the testing and certification of repair and service professionals. For dates or to register, visit their website at [www.ase.com](http://www.ase.com) and schedule testing time with Student Success Center.

### COMPASS TESTING

COMPASS is a comprehensive, computer-adaptive testing system that helps place students into appropriate courses and maximizes the information that postsecondary schools need to ensure student success. COMPASS offers placement and diagnostic testing in mathematics, reading, and writing. This test is available at Williston State College. Contact the Student Success Center to set up an appointment to take the test.

### LASERGRADE TESTING

WSC offers FAA and computerized FCC exams on the most user-friendly

# WSC [STUDENT SERVICES]

computer system available. This testing system was developed by pilots, for pilots, to make the test-taking experience as worry-free as possible. A unique feature offered by LaserGrade is the ability to display on screen all diagrams, charts, figures and graphics that are necessary to complete the question content with an on-screen flight computer and calculator. Score results are provided instantly. To register or for more information, contact the Student Success Center at WSC or visit their website at [www.lasergrade.com](http://www.lasergrade.com).

## VUE CERTIFICATION TESTING

This computer-based testing business serves the Information Technology industry and the Professional Certification, Licensure, and Regulatory markets. Their state-of-the-art technology provides a smooth, hassle-free and secure testing experience for exam candidates. As a leader in the electronic testing industry, Pearson VUE continually strives to provide the best possible testing experience for each and every client, partner and test taker. Computerized GED test are available. To register visit [www.GEDcomputer.com](http://www.GEDcomputer.com) or contact the Student Success Center at WSC.

## DISABILITY SUPPORT SERVICES

Williston State College provides academic support services to eligible students with disabilities, promotes student development, and serves as a resource for disability awareness and accommodations.

Williston State College defines a disability as a professionally verified condition which substantially limits a major life activity (Section 504, ADA). This includes, but may not be limited to cognitive disabilities, motor disabilities, psychiatric disabilities, speech impairments, hearing impairments, and visual impairments.

To obtain disability services, a student must identify himself/herself to the Office of Disability Support Services, and provide current professional documentation of his/her specific disability. The Disability Coordinator determines the appropriate accommodations for each individual student and issues a notice to them with the specified accommodations. The student, who is eligible for disability accommodations, has the responsibility to meet with his/her instructors and provide them with the notice. Students utilizing support services must observe the same college policies and academic regulations required of all students.

## DUAL CREDIT

Dual credit allows 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade high school students to take a college course and earn both high school and college credit for each approved course. All courses offered by Williston State College for which students meet prerequisites and have been approved by the student's high school are eligible for dual credit. The student and his/her parent or legal guardian are responsible for any costs related to receiving college credit.

## EARLY ENTRY

Early entry allows students the opportunity to take college courses and receive college credit only. The grade received in these courses will not affect the high school GPA.

## PERSONAL COUNSELING

A counselor is on campus to assist students with personal counseling needs. Students may walk in during office hours, call ext. 4212 to set up an appointment, or contact the Student Success Center for assistance in arranging for counseling services.

## HOUSING AND DINING SERVICE

For current room and board charges please visit our Williston State College website at the following URL: <http://www.willistonstate.edu/Future-Students/Life-on-Campus/Housing/Housing-and-Meal-Plan-Rates.html>.

WSC campus housing is designed to provide students with affordable living opportunities that promote personal and social development through group living. Limited family housing is also available. All housing units are governed by campus disciplinary policy as outlined in the *WSC Student Code of Conduct*.

Only currently registered Williston State College students may occupy campus housing units; with preference given to full-time students. A one-time, non-refundable \$35.00 application fee is required for

all housing units. A \$200 first installment is required to receive and reserve a room assignment.

WSC provides laundry facilities, mail, and internet services to its campus housing residents. Dormitory-style housing is fully furnished, with students required to provide their own linens. Family housing is unfurnished.

The Teton Grill, located in Steven's Hall, is open Monday through Friday. Students electing to live in campus housing are required to purchase a minimum meal plan each semester. Additional meal plans are available for campus housing residents as well as other students interested in purchasing a meal plan.

More detailed housing information, including housing contract, application and rates, may be found on the WSC website at <http://www.willistonstate.edu/Future-Students/Life-on-Campus/Housing>.

## STUDENT HEALTH INSURANCE

Students not covered under their family's health insurance plan may obtain a student health insurance policy directly from a vendor of their choice or from an insurance vendor contracted through the North Dakota University System. Student group rates are available. Students interested in purchasing health insurance may contact the Enrollment Services Office for more information.

International students from countries other than Canada are required to purchase health insurance while enrolled at Williston State College. This insurance may be purchased through a vendor contracted by the North Dakota University System. Information on the cost of health insurance for international students may be obtained in the Enrollment Services Office.

Enrollment at Williston State College does not automatically provide insurance coverage to students. Williston State College does not provide medical services, nor is the college responsible for accidents or injury occurring in the classroom, shop, laboratory, or other areas of the campus when college is in session or at any other time.

## INTERNATIONAL STUDENT TUBERCULOSIS SCREENING POLICY

TB is a highly contagious and life threatening disease that can be transmitted quickly amongst people living in close quarters such as a campus housing unit or classroom facility. The State Board of Higher Education of North Dakota requires that all NDUS institutions require a TB test of all international students who are not from a country identified as "low risk".

## PROCEDURES

### TESTING

Mantoux tuberculin skin testing will be required of all international students from countries not listed as low risk for TB infection. The testing must be done in the United States before the first day of class or the student will be denied access to classes until such results are made available to WSC by the testing agency. The test is available at the Upper Missouri District Health Unit by appointment only. Appointments can be made by calling the unit at 701.774.6400. The Health Unit is located at 110 West Broadway. Current testing fees can be obtain by contacting the Upper Missouri District Health Unit.

### IN CASE OF A POSITIVE TEST

Students who present a positive skin test for TB will be required to obtain a chest x-ray to determine if they have active Tuberculosis disease. The x-ray may be acquired at Mercy Hospital, Craven Hagen Clinic, or Trinity Western Dakota Clinic by appointment. The student must have the written report from the chest x-ray forwarded to the Associate Dean of Enrollment Services of Williston State College at 1410 University Avenue, Williston ND 58801. Any follow up treatment required will be a mandatory aspect of consideration for enrollment at WSC. Follow up treatment is available through the Upper Missouri District Health Unit.

### CONSEQUENCES OF NONCOMPLIANCE WITH TB TESTING REQUIREMENTS

Students failing to comply with the TB testing requirements will be



# WSC [STUDENT SERVICES]

denied access to registration, classes, and housing on the WSC campus. International students will be required to sign a waiver giving WSC the right to verify through the health care provider that treatment is being given and that the student is in compliance. Students will be able to enroll and gain access to campus housing when they are proven to be in compliance with all aspects of the testing requirements. Students are required to make their own arrangements for testing and treatment. Students are also responsible for any costs not covered under the provisions of their International Student Health Insurance policy.

## COUNTRIES TO BE CONSIDERED LOW RISK

American Samoa, Australia, Belgium, Canada, Denmark, Finland, Germany, Greece, Iceland, Ireland, Italy, Jamaica, Liechtenstein, Luxembourg, Malta, Monaco, Netherlands, New Zealand, Norway, Saint Kitts & Nevis, Saint Lucia, San Marino, Sweden, Switzerland, United Kingdom, and Virgin Island.

## BOOKSTORE

The Williston State College Bookstore is operated as a service to students for the purchase of textbooks, supplies, and snacks as well as Williston State College clothing. Computer supplies and software are also available to students at special educational prices. As an added service, the bookstore now offers a full coffee and ice cream bar.

The bookstore is operated by the college, and the revenues from this store are applied toward the financial obligation associated with the Williston State College Student Center.

## LEARNING COMMONS (LIBRARY)

The mission of the Williston State College Learning Commons (Library) is to provide access to the materials, services, and facilities necessary to meet the current and future informational needs of Williston State College students, faculty, and staff.

The Williston State College Learning Commons, located on the second floor of the main building, originated in the spring of 1966 with a sizable collection transferred from the Memorial Library of the Grand Masonic Lodge of North Dakota. The present collection, which is continually updated and expanded, supports the curriculum of the college with books, electronic databases, and audio/visual materials. The electronic databases provide access to academic journals, ebooks, newspapers, and news magazines. There are also some print journals available for browsing.

Joining the Online Dakota Information Network (ODIN) has allowed the Learning Commons to expand services. In addition to providing access to the Williston State College Learning Commons resources, ODIN provides access to a statewide Library Catalog. Resources not available locally may be requested through interlibrary loan.

The Learning Commons is designed with an open atmosphere, incorporating social areas with comfortable seating in addition to space for individual and group studying. There are computers available for use. Desktops are located at a standing bar, and laptops are available for check out. All computers are connected to a printer.

The college community and the general public are encouraged to utilize library services and facilities and to request assistance from library personnel.

## DISTANCE EDUCATION

Distance Education at WSC utilizes technology to reach students who for whatever reason are unable to attend classes in a traditional classroom or campus environment. WSC offers a variety of general education, elective, and technical courses that can lead to a Certificate of Completion, Program Certificate, Associate in Applied Science Degree, Associate in Arts degree, and/or Associate in Science Degree. Through collaboration with the 11 other NDUS campuses, place-bound students also have the opportunity to complete Bachelor's and Master's Degrees through use of the Interactive Video Network.

## ONLINE OPTIONS

WSC offers several academic pathways that can be completed entirely online.

Accounting (AAS)  
Administrative Assistant (AAS)  
Administrative Assistant (CP)  
Business Management (AAS)  
Business Management (CP)  
Health Information Management (AAS)  
Medical Administrative Assistant (CP)  
Medical Billing & Coding (CP)  
Liberal Arts Transfer (AA/AS)  
Medical Transcription (AAS)  
Medical Transcription (CP)  
Mental Health/Addictions Technician (AAS)  
Mental Health/Addictions Technician (CP)  
Speech Language Pathology Assistant (AAS)

## COLLABORATIVE PROGRAMS

WSC has partnered with other NDUS campuses to offer the following Bachelor's and Master's degree programs on campus at WSC.

### DICKINSON STATE UNIVERSITY

Bachelor of Applied Science Technology  
Bachelor of University Studies

### MAYVILLE STATE UNIVERSITY

Bachelor of Science Business Administration  
Bachelor of Science Education Elementary Education  
Bachelor of Science Education Early Childhood/Early Elementary Education  
Bachelor of Arts Early Childhood  
Associate of Arts Early Childhood

### VALLEY CITY STATE UNIVERSITY

Bachelor of Science or Bachelor of Arts in Professional Communication

For more information visit our website (<http://www.willistonstate.edu>), or contact the Distance Education Department at 888.863.9455.

## COLLABORATIVE STUDENT PROGRAM

The North Dakota University System (NDUS), a collaboration of the eleven institutions in the North Dakota University System, has made it possible for students to take courses from several campuses at the same time while retaining the benefits currently received by on-campus students. The collaborative student is defined as a student enrolled simultaneously (concurrently) in courses from more than one college within the North Dakota University System. Students select a home campus that provides services in advisement, registration, financial aid, and billing.

For additional information, please contact the Admissions Office by calling 1-888.863.9455.

## TRAINND NORTHWEST

Your employees need to learn new skills to contribute to your company's growth. In fact, their growth means growth for your business. TrainND provides the instruction that your employees need to succeed. We offer a comprehensive line-up of workforce training classes designed with your company's growth in mind.

Customized training programs work with business, industry, governmental, and non-profit agencies to deliver timely, cost effective, quality, performance-based training. Customized training emphasizes four major areas: Computer Training, Technical Training, Employee Development and Organizational Development. Log on to [www.willistonstate.edu/trainnd](http://www.willistonstate.edu/trainnd).

The mission of TrainND is to focus on training and retraining for State Planning Regions I and II. Partnerships with business and industry foster an environment of continuous improvement to provide the state with a competitive workforce.

## STUDENT ACTIVITIES

In addition to intellectual enrichment, Williston State College provides a number of activities and organizations to further develop students' social, cultural, interpersonal, and physical abilities. Students are encouraged to participate in the various on-campus activities and organizations.

# WSC [STUDENT SERVICES]

Organizations currently active on campus are defined below.

**STUDENT LIFE COORDINATOR:** Tara Weltikol 701.774.4213 tara.weltikol@willistonstate.edu. Please contact Tara Weltikol at the number above for any questions concerning any current student activities or to discuss possible new activities on campus.

## STUDENT SENATE

The Student Senate is the students' governing body. Members of the Senate are not elected by the students at large. The Senate coordinates all student functions and activities. Rules and regulations pertaining to the student body and its organizations are delegated to the Student Senate for deliberation, and all decisions are subject to college administrative approval. Advisor: Tara Weltikol 701.774.4213 tara.weltikol@willistonstate.edu.

## VARSITY ATHLETICS

Williston State College is a member of the National Junior College Athletic Association (NJCAA), and the Mon-Dak Conference. Men's varsity sports include basketball, baseball, and hockey. Women's varsity sports include volleyball, basketball, and softball. Men's and Women's Basketball participate at the Division I level, and Men's Baseball and Women's Volleyball and Softball at the Division II level. The new addition for men is hockey, which is NJCAA. Scheduling enables both men and women to travel in North Dakota, Montana, Wyoming, Minnesota, and Canada. Athletic scholarships are available in basketball, volleyball, baseball, softball, and hockey. Any student interested in varsity college athletics is invited to participate. Advisor: Eric Peterson 701.774.4256 eric.a.peterson@willistonstate.edu.

## INTRAMURAL ACTIVITIES

An active intramural program is offered to all students. Teams and leagues are organized in various sports including basketball, bowling, flag football, racquetball, softball, volleyball, wallyball, golf, dodgeball, pool, ping pong, soccer, broomball, and other recreational activities. School facilities and equipment are available for student use. Advisor: Andrew VanHavermaet andrew.vanhavermaet@willistonstate.edu.

## THE TETON ECHO

As the creative writing publication, The Teton Echo celebrates the creative spirit of Williston State College students. It offers a forum where students can express creativity through poetry, fiction, nonfiction, photography, graphics and drawing. Students also can contribute to the design and production of The Teton Echo. Williston State College funds the publication internally and distributes them free to both students and the general public. Advisor: Jim Stout 701.774.4286 james.stout@willistonstate.edu.

## AGRICULTURE CLUB

Membership is open to students interested in agriculture. The club supports area agriculture by assisting at local events. The club is affiliated with the National Post-secondary Agricultural Student Organization (PASO), and North Dakota PASO (NDPASO). Members participate in local, state and national PASO activities (career planning, job interview, public speaking, crop & soil specialists, sales demonstrations, livestock specialist, ag mechanics). The club conducts contests for the District 1 FFA Association. Members also sponsor activities on campus, field trips, and support 4-H activities. Advisor: Kim Murphy 701.774.6226 kim.murphy@willistonstate.edu.

## ASTRONOMY CLUB

The Williston State Astronomy Club is open to both WSC students and the public. Anyone interested in learning about current astronomy topics is welcome to attend the monthly meetings. In addition to the monthly meetings, sky observation sessions for public outreach and education are held occasionally throughout the year. The observation sessions include the use of a 10-inch LX200GPS Schmidt-Cassegrain telescope. No prior knowledge necessary. Advisor: Susan Zimmerman 701.774.4232 s.zimmerman@willistonstate.edu.

## CATHOLIC YOUTH ORGANIZATION (CYO)

An organization that allows Catholic students and their friends to gather together to visit and provide support to each other on issues facing adults in today's world. All interested individuals are invited to participate. Advisor:

Wanda Meyer (701) 774- 4231 wanda.meyer@willistonstate.edu.

## BIZ-TECH.ORG

The Williston State College Biz-Tech.Org Club is a college wide club that is designed for students planning careers in information technology, computer or business technology fields. Computer professional development requires knowledge that goes beyond the classroom. The goals of Biz-Tech.Org are to: complement classroom studies, provide students with opportunities to participate in the information technology community, explore various career opportunities, provide insight and guidance to Biz-Tech.Org members, help students majoring in information technology be committed to a career, help students become future leaders in information technology, membership is open to all current Williston State College students. Advisor: Ken Quamme 701.774.4207 ken.quamme@willistonstate.edu & Serena Christianson 701.774.4526 serena.christianson@willistonstate.edu.

## CRU

This nondenominational group is a Christian organization which meets regularly during the academic year and provides activities in a Christian atmosphere. Advisor: Steven Grunenwald 701.774.4255 steven.grunenwald@willistonstate.edu.

## MULTICULTURAL TASK FORCE (DIVERSITY CLUB)

This club promotes an accepting environment of all students at WSC. Students will help organize and coordinate multicultural events. Contact Kim Weismann 701.774.4503 kimberly.weismann@willistonstate.edu.

## SKILLS USA

Skills USA is a national educational organization for college students enrolled in a trade, industrial, technical, or health occupation such as Automotive or Diesel Technology, Carpentry, Information Technology, Massage Therapy, Nursing, or Welding.

Some of the activities members organize and participate in include state and national competitions, community service projects, social activities, and professional development programs. Advisor: Ken Quamme 701.774.4207 ken.quamme@willistonstate.edu.

## DIESEL TECHNICIAN CLUB

This club is an organization of all currently enrolled automotive technology and diesel technology students. The purpose of the organization is to broaden the students' education and knowledge by taking educational tours through area firms that are involved in automotive and diesel fields. Members also initiate social activities for the enjoyment of the student body. Advisors: Chuck Mainwaring Charles 701.774.4264 charles.p.mainwaring@willistonstate.edu.

## MASSAGE CLUB

The massage therapy club strives to promote the awareness of the benefits of massage on campus and in the community, by providing educational and hands-on sessions for people to learn more about massage. Advisor: Wendy McGinley 701.774.4293 wendy.mcginley@willistonstate.edu.

## PHI THETA KAPPA (PTK)

The Alpha Rho Iota Chapter of Phi Theta Kappa is a national honor society. Students who have earned 12 semester hours of credit and have earned/maintained a minimum grade point average of 3.30 while enrolled at Williston State College may become members.

The purpose of the organization is promotion of scholarship, development of leadership and service, and cultivation of fellowship among qualified students of the college. Advisor: Maren Furusetth 701.774.4298 maren.furusetth@willistonstate.edu and Alissa Renner 701.774.4242 alissa.renner@willistonstate.edu

## VETERANS' CLUB

The purpose of the Williston State College Veterans' Club is to support student veterans in their efforts to adjust to civilian life and complete their education. Advisors: Jim Stout 701.774.4286 james.stout@willistonstate.edu & Tony Freed 701.774.4502 tony.freed@willistonstate.edu.

# WSC [STUDENT SERVICES]

## **STUDENT AMBASSADORS**

WSC student ambassadors are a select group of students who interact with prospective students, parents, alumni, and the community as a means to recruit. As official representation of the college, this position is held in high honor. Members will represent students' leadership in an articulate manner, promote the positive image of the college, and respond to the college's needs. Advisor: Leah Hess 701.774.4220 leah.hess@willistonstate.edu.

## **STUDENT NURSES ORGANIZATIONS (SNO)**

All nursing students are eligible for membership in the Student Nurses Organization. This organization actively promotes and supports nursing and healthcare/wellness at Williston State College and in the community. Members organize and work on projects throughout the year. Advisor: Kari Lesmeister 701.774.4290 kari.lesmeister@willistonstate.edu.

# WSC [GENERAL EDUCATION (GERTA)]

## GENERAL EDUCATION (GERTA)

### GENERAL EDUCATION REQUIREMENTS TRANSFER AGREEMENT

The table below and on the following pages lists all GERTA approved general education courses for Williston State College. Please pay special attention to the program of study these courses may be applied to, as requirements differ among programs and degrees.

The North Dakota University System (NDUS) has developed a General Education Requirements Transfer Agreement (GERTA) to assist students who transfer within the NDUS. This agreement states that students who transfer to an NDUS institution after completing their general education course work at any other NDUS institution will be deemed to have met all lower division general education requirements at the transfer school. This agreement also states that if not all general education requirements have been completed before transferring, all general education courses will be applied to the general education requirements at any other NDUS institution. Contact the Registrar at Williston State College to obtain a GERTA completion certificate form.

COURSE	CR	NDUS	GER
<b>COMMUNICATION</b>			
COMM 110	3		ND: COMM
<b>ENGLISH</b>			
ENGL 110	3		ND: ENGL
ENGL 120	3		ND: ENGL
ENGL 125	3		ND: ENGL
<b>COMPUTER SCIENCE/TECHNOLOGY</b>			
CSCI 101	3		ND:COMPSC
CSCI 122	3		ND:COMPSC
CSCI 160	4		ND:COMPSC
CSCI 161	4		ND:COMPSC
CSCI 289	2		ND:COMPSC
<b>FINE ARTS</b>			
ART 122	3		ND:FA
ART 130	3		ND:FA
MUSC 117	1		ND:FA
MUSC 155	1		ND:FA
THEA 201	1		ND:FA
<b>HUMANITIES</b>			
ART 110	3		ND:HUM
ART 210	3		ND:HUM
ART 211	3		ND:HUM
COMM 211	3		ND:HUM
ENGL 211	3		ND:HUM
ENGL 220	3		ND:HUM
ENGL 222	3		ND:HUM
ENGL 224	3		ND:HUM
ENGL 225	3		ND:HUM
ENGL 238	3		ND:HUM
ENGL 261	3		ND:HUM
ENGL 262	3		ND:HUM
ENGL 265	3		ND:HUM
GERM 101	4		ND:HUM
GERM 102	4		ND:HUM
HUMS 210	2-3		ND:HUM
HUMS 211	1		ND:HUM
HUMS 251	3		ND:HUM
HUMS 252	3		ND:HUM
HUMS 253	3		ND:HUM
MUSC 100	3		ND:HUM
MUSC 101	3		ND:HUM
PHIL 101	3		ND:HUM
PHIL 210	3		ND:HUM
PHIL 215	3		ND:HUM
RELS 116	3		ND: HUM
RELS 120	3		ND:HUM

RELS 203	3	World Religions	ND:HUM
RELS 220	3	Old Testament	ND:HUM
RELS 230	3	New Testament	ND:HUM
SPAN 101	4	First Year Spanish I	ND:HUM
SPAN 102	4	First Year Spanish II	ND:HUM
SPAN 201	4	Second Year Spanish I	ND:HUM
SPAN 202	4	Second Year Spanish II	ND:HUM

### HISTORY

HIST 101	3	Western Civilization I	ND:HIST
HIST 102	3	Western Civilization II	ND:HIST
HIST 103	3	United States to 1877	ND:HIST
HIST 104	3	United States Since 1877	ND:HIST
HIST 220	3	North Dakota History	ND:HIST
HIST 223	3	Hist of the Lewis & Clark Expedition	ND:HIST
HIST 257	3	The Cold War	ND:HIST

### MATHEMATICS

MATH 103	3	College Algebra	ND:MATH
MATH 105	2	Trigonometry	ND:MATH
MATH 107	4	Pre-Calculus	ND:MATH
MATH 146	3	Applied Calculus I	ND:MATH
MATH 165	4	Calculus I	ND:MATH
MATH 166	4	Calculus II	ND:MATH
MATH 210	3	Elementary Statistics	ND:MATH

### LABORATORY SCIENCE

ATSC 110	4	Meteorology I L/L	ND:LABSC
BIOL 111	4	Concepts of Biology L/L	ND:LABSC
BIOL 115/115L	3/1	Human Structure Function with Lab	ND:LABSC
BIOL 150	4	General Biology I L/L	ND:LABSC
BIOL 151	4	General Biology II L/L	ND:LABSC
BIOL 220	4	Anatomy & Physiology I L/L	ND:LABSC
BIOL 221	4	Anatomy & Physiology II L/L	ND:LABSC
CHEM 115	4	Introductory Chemistry L/L	ND:LABSC
CHEM 116	4	Intro to Organic & Biochemistry L/L	ND:LABSC
CHEM 121	5	General Chemistry I L/L	ND:LABSC
CHEM 122	5	General Chemistry II L/L	ND:LABSC
GEOL 105	4	Physical Geology	ND:LABSC
PHYS 110/110L	3/1	Introductory Astronomy with Lab	ND:LABSC
PHYS 211	4	College Physics I L/L	ND:LABSC
PHYS 212	4	College Physics II L/L	ND:LABSC
PHYS 251	5	University Physics I L/L	ND:LABSC
PHYS 252	5	University Physics II L/L	ND:LABSC

### SOCIAL SCIENCE

ANTH 171	3	Intro to Cultural Anthropology	ND:SS
CJ 201	3	Introduction to Criminal Justice	ND:SS
COMM 216	3	Intercultural Communication	ND:SS
ECON 105	3	Elements of Economics	ND:SS
ECON 201	3	Principles of Microeconomics	ND:SS
ECON 202	3	Principles of Macroeconomics	ND:SS
GEOG 161	3	World Regional Geography	ND:SS
GEOG 263	3	Geography of North Dakota	ND:SS
POLS 115	3	American Government	ND:SS
POLS 116	3	State & Local Government	ND:SS
PSYC 111	3	Introduction to Psychology	ND:SS
PSYC 250	3	Developmental Psychology	ND:SS
PSYC 270	3	Abnormal Psychology	ND:SS
SOC 110	3	Introduction to Sociology	ND:SS
SOC 115	3	Social Problems	ND:SS
SOC 235	3	Cultural Diversity	ND:SS
SWK 255	3	Social Work in a Modern Society	ND:SS

### SCIENCE AND TECHNOLOGY

BIOL 115	3	Human Structure & Function	ND: SCI
BIOL 124	3	Environmental Science	ND: SCI
BIOL 230	3	Ecology	ND: SCI

# WSC [GENERAL EDUCATION (GERTA)]

## WELLNESS

For all AA, AS, and AAS degrees, Williston State College also has a 2-credit Wellness requirement. The following courses may be used to fulfill this 2-credit wellness graduation requirement.

HPER	100	Concepts of Fitness & Wellness	2
HPER	101	Activity: Introductory Level	1/2-1
HPER	102	Activity: Intermediate Level	1/2-1
HPER	103	Activity: Advanced Level	1/2-1
HPER	126	Lifetime Fitness	2
HPER	210	First Aid & CPR	2
HPER	217	Personal & the Aging Population	3
NUTR	222	Contemporary Nutrition	3

## CAMPUS APPROVED-GENERAL EDUCATION (APPLICABLE TOWARD CTE PROGRAMS OF STUDY)

General Education Requirements only for the AAS, Diploma, and Certificate.

Additionally the Curriculum Committee at Williston State College has approved the following courses to meet the general education requirements for the Associate in Applied Science, Diploma, and Certificate only.

COMMUNICATION			Credits
COMM	212	Interpersonal Communication	3

### COMPUTER SCIENCE/ TECHNOLOGY

BOTE	102	Keyboarding I	2
BOTE	152	Keyboarding II	2
BOTE	188	Computerized Accounting	2
BOTE	218	Desktop Publishing	2
BOTE	299	Special Topics	1-6
CIS	105	Microcomputer Spreadsheet-Excel	2
CIS	130	Presentations	2
CIS	180	Creating Web Pages	2

### HUMANITIES

ART	299	Special Topics in Art	1-3
ENGL	299	Special Topics in English	1-3
HIST	299	Special Topics	1-3
HUMS	290	Special Topics for Honor Students	1-2
HUMS	299	Special Topics in Humanities	1-4
MUSC	111	Applied Music	1
THEA	261	Acting II	3
THEA	270	Stagecraft	1

### SCIENCE

PLSC	110	World Food Crops	3
SOIL	210	Introduction to Soil Science	4





## CAREER AND TECHNICAL PROGRAMS

Williston State College is designated by the North Dakota State Board of Career and Technical Education as an area career and technology center. The college is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Following is a list of Career and Technical Education programs available at Williston State College. Transfer curriculum plans are available for students wishing to begin their studies at WSC, and then transfer to a baccalaureate campus.

### **ACCOUNTING - AAS**

#### **ADMINISTRATIVE ASSISTANT - CERTIFICATE & AAS**

- Medical Administrative Assistant-Certificate

### **AGRICULTURE – AAS**

- Agronomy
- Animal Science
- Technology

### **AUTOMOTIVE TECHNOLOGY – DIPLOMA & AAS**

Certificate of Completion available in each of the following:

- Automatics and Electronic Transmission/Transaxle
- Suspensions, Steering and Computerized Alignment

### **BUSINESS MANAGEMENT – CERTIFICATE & AAS**

### **DIESEL TECHNOLOGY – DIPLOMA & AAS**

Certificate of Completion available in each of the following:

- Electronic Diesel Engines
- Suspension and Computerized Alignment
- Clutches, Transmissions, and Electronic Controls

### **GENERAL & TECHNICAL STUDIES – CERTIFICATE & AAS**

### **HEALTH INFORMATION MANAGEMENT – AAS**

- Medical Billing & Coding- Certificate

### **INFORMATION TECHNOLOGY – AAS**

- GIS – Geographic Information Systems – Certificate of Completion available
- Networking
- Programming
- Web Design

### **MASSAGE THERAPY – CERTIFICATE & AAS**

### **MEDICAL TRANSCRIPTION – CERTIFICATE & AAS**

### **MENTAL HEALTH/ADDICTIONS TECHNICIAN – CERTIFICATE & AAS**

### **NURSING – CERTIFICATE (LPN) & AAS (ADN)**

### **PETROLEUM PRODUCTION TECHNOLOGY - AAS**

- Lease Operator – Certificate

### **RESIDENTIAL CARPENTRY TECHNOLOGY – CERTIFICATE & AAS**

### **SPEECH LANGUAGE PATHOLOGY ASSISTANT - AAS**

### **WELDING TECHNOLOGY – CERTIFICATE & AAS**



# WSC [CTE PROGRAMS REQUIREMENTS]

## CTE PROGRAMS REQUIREMENTS

### ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS)

Associate in Applied Science Degrees combine career-technical courses with general education courses. This degree prepares students for employment in the career-technical specialty area of their choice.

#### REQUIREMENTS:

- A. Completion of at least 62 semester credits, including 15 general education credits consisting of one course from each of the following areas:
  1. Communication
  2. Math, Science, or Computer Science
  3. Humanities or Social Science
  4. Wellness
- B. 2.00 (C) minimum institutional grade point average or higher (GPA required in select programs).
- C. Completion of prescribed career-technical curriculum
- D. Successful completion of ASC 100 College Strategies (1 credit) or ASC 101 College Transition (1/2 credit)
- E. Program coordinator's approval
- F. Minimum of 16 credits completed in residence
- G. Maximum of 12 S/U graded credits (program approval required for 13 or more)
- H. Maximum of 15 CLEP subject exam credits; 0 CLEP general exam credits
- I. Maximum of 15 credits for prior learning

### DIPLOMA

A diploma program represents completion of a prescribed program of two years or less in a career-technical field with some general education course work.

#### REQUIREMENTS:

- A. Completion of at least 62 semester credits, including 9 general education credits.
- B. 2.00 (C) minimum institutional grade point average or higher (GPA required in select programs).
- C. Completion of prescribed career-technical curriculum
- D. Successful completion of ASC 100 College Strategies (1 credit) or ASC 101 College Transition (1/2 credit)
- E. Program coordinator's approval
- F. Minimum of 16 credits completed in residence
- G. Maximum of 12 S/U graded credits (program approval required for 13 or more)
- H. Maximum of 15 CLEP subject exam credits; 0 CLEP general exam credits
- I. Maximum of 15 credits for prior learning

### CERTIFICATE PROGRAM

A certificate program represents completion of a one-year curriculum in a prescribed career-technical program.

#### REQUIREMENTS:

- A. Completion of a minimum of 16 semester credits (varies by program) including 5 general education credits
- B. 2.00 (C) minimum institutional grade point average or higher (GPA required in select programs).
- C. Completion of prescribed career-technical curriculum
- D. Successful completion of ASC 100 College Strategies (1 credit) or ASC 101 College Transition (1/2 credit)
- E. Program coordinator's approval
- F. Minimum of 16 credits completed in residence
- G. Maximum of 12 S/U graded credits (program approval required for 13 or more)
- H. Maximum of 15 CLEP subject exam credits; 0 CLEP general exam credits
- I. Maximum of ½ of total required credits awarded for prior learning.

### CERTIFICATE OF COMPLETION

Certificates of completion are awarded for completion of a non-credit or credit-based course of study requiring 15 credits or less. Requirements vary depending on desired outcomes.

# WSC [CTE PROGRAMS]

## CTE PROGRAMS

### ACCOUNTING

#### ASSOCIATE IN APPLIED SCIENCE (AAS)

60 required program credits  
Minimum 62 required credits for AAS

##### PROGRAM DESCRIPTION

Our Accounting program is continually growing and jobs in the field are abundant. Accounting is currently the top Associate's degree in the country. After a two year program with us you will be fully prepared to obtain a local job in the field. With a two year degree you can work in the Accounting area of any local business or in a financial institution.

The objective of the Accounting program is to provide the graduate necessary skills for seeking positions in the places such as accounting firms, small businesses, manufacturing companies, department stores, construction companies, and schools.

##### PROGRAM OUTCOMES:

The Accounting program will allow the student to:

1. Develop critical thinking, problem solving, analytical, and analogical skills using scientific, technological and mathematical methods while maintain emphasis on issues impacted by ethics, diversity and globalization
2. Express their ideas in an organized fashion, both orally and in writing.
3. Apply both financial and managerial accounting principles and techniques.
4. Use accounting information to enhance business planning, decision making, problem solving and management control.
5. Prepare records of business activities according to accepted accounting principles and techniques.
6. Use fundamental tax laws and principles to prepare an individual income tax return.

PROGRAM REQUIREMENTS:		CREDITS	
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
ACCT	205	Cost Accounting	3
ACCT	215	Business in the Legal Environment	3
ACCT	231	Income Tax Procedures	3
BADM	201	Principles of Marketing	3
BADM	202	Principles of Management	3
BOTE	188	Computerized Accounting	2
CSCI	101	Introduction to Computers (GE 2c)	3
COMM	110	Fundamentals of Public Speaking (GE 1a)	3
COOP	197	Cooperative Education/Internship	1
ECON	201	Principles of Microeconomics (GE 2b)	3
ECON	202	Principles of Macroeconomics (GE 2b)	3
ENGL	125	Introduction to Professional Writing (GE 1a)	3
		Wellness Course (GE 2d)	2

\*See graduation requirements for CTE programs.

### ADMINISTRATIVE ASSISTANT

#### ASSOCIATE IN APPLIED SCIENCE (AAS)

53 required program credits  
Minimum 62 required credits for AAS

##### PROGRAM DESCRIPTION

The Administrative Assistant program is designed to prepare students for entry-level and advanced positions in offices related to accounting, business, information processing as well as many others.

##### PROGRAM OUTCOMES:

The student will be able to:

1. Read, understand, edit and prepare business documents.
2. Communicate accurately and effectively, both verbally and in writing

with diverse clients, customers, coworkers and supervisors in the workplace.

3. Demonstrate proficiency in the daily operations of a business office.
4. Plan and prepare for employment and/or career advancement.

PROGRAM REQUIREMENTS:		CREDITS	
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
ACCT	231	Income Tax Procedures	3
ACCT	215	Business in the Legal Environment	3
BADM	202	Principles of Management	3
BOTE	108	Business Math	3
BOTE	217	Records Management	2
BOTE	218	Desktop Publishing	2
BOTE	121	Business English	3
BOTE	152	Keyboarding II	2
BOTE	188	Computerized Accounting	2
BOTE	275	Administrative Office Procedures	3
COMM	110	Fundamentals of Public Speaking	3
COMM	217	Organizational Communications	3
COOP	197	Cooperative Education/Internship	1
CSCI	101	Introduction to Computers	3
ENGL	125	Introduction to Professional Writing	3
MATH	103	College Algebra	3
SOC	110	Introduction to Sociology	3
		Wellness Course	2

\*See graduation requirements for CTE programs. Students, with consent of their advisor, may choose appropriate electives.

### CERTIFICATE

31 required program credits  
Minimum of 16 required credits for Certificate

##### PROGRAM DESCRIPTION

The Administrative Assistant certificate program is designed to prepare students for entry-level positions in offices related to accounting, business, information processing as well as many others. Students may also earn an Associate of Applied Science (A.A.S.) degree.

PROGRAM REQUIREMENTS:		CREDITS	
ACCT	102	Fundamentals of Accounting	3
BADM	202	Principles of Management	3
BOTE	108	Business Math	3
BOTE	121	Business English	3
BOTE	152	Keyboarding II	2
BOTE	217	Records Management	2
BOTE	275	Administrative Office Procedures	3
COMM	217	Organizational Communications	3
CSCI	101	Introduction to Computers	3
ENGL	125	Introduction to Professional Writing	3
SOC	110	Introduction to Sociology	3

\*See graduation requirements for CTE programs.

### OPTION: MEDICAL ADMINISTRATIVE ASSISTANT

#### CERTIFICATE

32 required program credits  
Minimum 16 required credits for certificate

##### PROGRAM DESCRIPTION

The Medical Administrative Assistant certificate program is designed to prepare students for entry-level positions in offices related to medical records, medical coding/billing, and front office as well as many others.

PROGRAM REQUIREMENTS:		CREDITS	
ACCT	102	Fundamentals of Accounting	3
AH	138	Medical Coding I	3
AH	171	Medical Terminology I	3
AH	220	Fundamentals of Medical Transcription	3
AH	281	Medical Insurance/Billing	3
AH	231	Healthcare Law & Ethics	1
AH	287	Computer Applications in Health Care	2
BIOL	115	Human Structure & Function (GE 1b)	3
BOTE	121	Business English	3

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BOTE	152	Keyboarding II (GE 2c)	2
BOTE	275	Administrative Office Procedures	3
CSCI	101	Introduction to Computers (GE 2c)	3

\*See graduation requirements for CTE programs.

## AGRICULTURE

### OPTION: AGRONOMY

#### ASSOCIATE IN APPLIED SCIENCE (AAS)

36 required program credits  
Minimum 62 required credits for AAS

##### PROGRAM DESCRIPTION

Graduates of the agronomy option will be prepared to enter occupations and areas of employment in crops and soils. The student and advisor will select course work leading to individual career objectives. Cooperative work experience is required to gain on-the-job skill and experience. The animal science option fits well with the agronomy option for those interested in both farming and ranching for more diversity.

The objective of the Agriculture program is to develop skills needed to obtain a job in the agriculture field, point out potential opportunities through current agriculture trends, and interpret opportunities for new and upcoming technologies in agriculture.

##### PROGRAM OUTCOMES:

Students will be able to:

1. Interpret Soils Tests
2. Identify weeds and crops
3. Formulate realistic Production Plans
4. Become employable in their chosen field

PROGRAM REQUIREMENTS:			CREDITS
COOP	197	Cooperative Education/Internship	1
AGEC	141	Principles of Agribusiness Management	2
H&CE	241	Leadership & Presentation Techniques	3
PLSC	223	Introduction to Weed Science	3
SOIL	210	Introduction to Soil Science	4
PLSC	110	World Food Crops	3
SOIL	222	Soil Fertility & Fertilizers	3
PLSC	220	Principles of Forage Production	3
PLSC	225	Principles of Crop Production	3
PLSC	230	Grain & Seed Analysis	2
PLSC	270	High Value & Specialty Crops	3
PLSC	101	Introduction to Biotechnology	2
CHEM	115	Introductory Chemistry L/L	4

SUGGESTED ELECTIVES:			CREDITS
COOP	197	Cooperative Education/Internship	½ - 5
AGEC	142	Agriculture Accounting	2
AGEC	242	Introduction to Agricultural Management	3
AGEC	244	Introduction to Agricultural Marketing	3
AGEC	246	Introduction to Agricultural Finance	2
AGRI	275	Introduction to Precision Agriculture	2

\*See graduation requirements for CTE programs.

### OPTION: ANIMAL SCIENCE

#### ASSOCIATE IN APPLIED SCIENCE (AAS)

33 required program credits  
Minimum 62 required credits for AAS

##### PROGRAM DESCRIPTION

Graduates of the animal science option will be prepared to enter occupations and areas of employment in animal agriculture. The student and advisor will select course work leading to individual career objectives. Cooperative work experience is required to gain on-the-job skill and experience. The animal science option fits well with the agronomy option for those interested in both farming and ranching for more diversity.

The objective of the Agriculture program is to develop skills needed to

obtain a job in the agriculture field, point out potential opportunities through current agriculture trends, and interpret opportunities for new and upcoming technologies in agriculture.

##### PROGRAM OUTCOMES:

Students will be able to:

1. Synthesize realistic production plans.
2. Defend and promote animal husbandry as it relates to the past, present and future of agriculture.
3. Become employable in their chosen field.

PROGRAM REQUIREMENTS:			CREDITS
COOP	197	Cooperative Education/Internship	1
AGEC	141	Principles of Agribusiness Management	2
H&CE	241	Leadership & Presentation Techniques	3
PLSC	223	Introduction to Weed Science	3
SOIL	210	Introduction to Soil Science	4
PLSC	110	World Food Crops	3
SOIL	222	Soil Fertility & Fertilizers	3
ANSC	114	Introduction to Animal Science	2
ANSC	123	Feeds & Feeding	
ANSC	220	Livestock Production	3
ANSC	231	Livestock Selection	2
ANSC	238	Livestock Breeding	2
RNG	236	Introduction to Range Management	2

SUGGESTED ELECTIVES:			CREDITS
COOP	197	Cooperative Education/Internship	½ - 5
ANSC	133	Specialty Animal Production	2
AGEC	142	Agriculture Accounting	2
AGEC	242	Introduction to Agricultural Management	3
AGEC	244	Introduction to Agricultural Marketing	3
AGEC	246	Introduction to Agricultural Finance	2
PLSC	220	Principles of Forage Production	3
AGRI	275	Introduction to Precision Agriculture	2

\*See graduation requirements for CTE programs.

### OPTION: TECHNOLOGY

#### ASSOCIATE IN APPLIED SCIENCE (AAS)

23 required program credits  
Minimum 62 required credits for AAS

##### PROGRAM DESCRIPTION

Graduates of the technology option will be prepared to enter occupations and areas of employment in agricultural technology fields. The student and advisor will select course work leading to individual career objectives. Cooperative work experience is required to gain on-the-job skill and experience. The agriculture sales and marketing technology option fits well with the technology option for those interested in more diversity.

The objective of the Agriculture program is to develop skills needed to obtain a job in the agriculture field, point out potential opportunities through current agriculture trends, and interpret opportunities for new and upcoming technologies in agriculture.

##### PROGRAM OUTCOMES:

Students will be able to:

1. Justify applications of agricultural technologies and their impact on self, family, community and environment.
2. Become employable in their chosen field.

PROGRAM REQUIREMENTS:			CREDITS
COOP	197	Cooperative Education/Internship	1
AGEC	141	Principles of Agribusiness Management	2
H&CE	241	Leadership & Presentation Techniques	3
PLSC	223	Introduction to Weed Science	3
SOIL	210	Introduction to Soil Science	4
PLSC	110	World Food Crops	3
SOIL	222	Soil Fertility & Fertilizers	3
AGRI	275	Introduction to Precision Agriculture	2
PLSC	101	Introduction to Biotechnology	2

SUGGESTED ELECTIVES:			CREDITS
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COOP	197	Cooperative Education/Internship	½ - 5
PLSC	225	Principles of Crop Production	3
PLSC	101	Introduction to Biotechnology	2
RNG	236	Introduction to Range Management	2
ANSC	114	Introduction to Animal Science	2
ANSC	238	Livestock Breeding	2
ANSC	231	Livestock Evaluation	2
GIS	107	Geographic Infor. System Applications	3
GIS	105	Fundamentals of GIS	3
GIS	245	Advanced Applications in GIS	3
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
BIOL	271	Biotechnology L/L	3
CIS	128	Microcomputer Hardware I	3
CIS	129	Microcomputer Hardware II	3
CIS	180	Creating Web Pages	3
CIS	164	Networking Fundamentals I	3
CIS	215	Implementing MS Windows Server	3

\*See graduation requirements for CTE programs.

## AUTOMOTIVE TECHNOLOGY

### ASSOCIATE OF APPLIED SCIENCE (AAS)

61 required program credits  
Minimum 62 required credits for AAS

The automotive technology program is designed to prepare the student for a career as a technician in the automotive field. Graduates may enter the automotive industry with entry-level skills to become a technician specialist, a line technician, a general maintenance technician, a service writer, a service manager or a business owner. With the advancing technology in today's automotive field industry is in need of people willing to adapt to the fast pace of the computerized, automated field.

The technician of today must possess a high degree of proficiency in reading and understanding technical manuals. The technician must be able to diagnose and correct equipment malfunctions and also relate to customers, supervisors, and the general public.

The objective of the automotive technology program is to provide quality training for students to serve effectively in current and new generation technologies of complex automotive systems.

#### PROGRAM OUTCOMES:

The student will be able to:

1. Make troubleshooting decisions and complete repairs using the proper tools and equipment based on the concepts and processes learned in the Diesel Program.
2. Be prepared to take NATEF Auto Repair tests.
3. Apply the knowledge of ethics laws, safety laws, and shop safety to their training and future employment.
4. Apply the knowledge of hazardous material laws and processes to their training and future employment.
5. Demonstrate communication and reason skills, the knowledge of diverse cultures and apply health-related knowledge to promote physical and mental well-being.
6. Become employable in their chosen field.

PROGRAM REQUIREMENTS:			CREDITS
AUTO	146	Intro to Auto Engines	4
AUTO	147	Basic Electrical Systems	5
AUTO	156	Engine Performance I	6
AUTO	157	Maintenance Procedures	4
AUTO	166	Brakes Systems	5
AUTO	167	Suspension and Steering Systems	6
AUTO	231	Engine Performance II	4
AUTO	232	Heating and Air Conditioning Systems	5
AUTO	234	Engine Diag/Repair	6
AUTO	235	Shop Practices/Welding	4

AUTO	288	Manual Drive Train and Axles	5
AUTO	289	Automatic Drive Train and Axles	6

\*See graduation requirements for CTE programs.

## DIPLOMA

61 required program credits  
Minimum 62 required credits for Diploma

The automotive technology program is designed to prepare the student for a career as a technician in the automotive field. Graduates may enter the automotive industry with entry-level skills to become a technician specialist, a line technician, a general maintenance technician, a service writer, a service manager or a business owner. With the advancing technology in today's automotive field industry is in need of people willing to adapt to the fast pace of the computerized, automated field.

The technician of today must possess a high degree of proficiency in reading and understanding technical manuals. The technician must be able to diagnose and correct equipment malfunctions and also relate to customers, supervisors, and the general public.

The objective of the automotive technology program is to provide quality training for students to serve effectively in current and new generation technologies of complex automotive systems.

#### PROGRAM REQUIREMENTS: CREDITS

AUTO	146	Intro to Auto Engines	4
AUTO	147	Basic Electrical Systems	5
AUTO	156	Engine Performance I	6
AUTO	157	Maintenance Procedures	4
AUTO	166	Brakes Systems	5
AUTO	167	Suspension and Steering Systems	6
AUTO	231	Engine Performance II	4
AUTO	232	Heating and Air Conditioning Systems	5
AUTO	234	Engine Diag/Repair	6
AUTO	235	Shop Practices/Welding	4
AUTO	288	Manual Drive Train and Axles	5
AUTO	289	Automatic Drive Train and Axles	6

\*See graduation requirements for CTE programs.

## BUSINESS MANAGEMENT

### ASSOCIATE OF APPLIED SCIENCE (AAS)

24 required program credits; plus required concentration credits  
Minimum of 62 required credits for AAS

#### PROGRAM DESCRIPTION

Business management as a career is a transferable skill. Managers often take their expertise from one type of organization to another from manufacturing to travel and tourism industry. Managers are decision makers. They set goals and policies as a business executive, manages well to direct others in sales, purchase, accounting, production and research. General tasks across various industries include:

- Defining the nature and extent of the project, identifying the problem/other issues
- Gathering data, collecting information, researching facts
- Analyzing and synthesizing the data
- Developing recommendations/proposing solutions
- Preparing written reports and/or making formal oral presentations
- Assisting in the implementation of their recommendations

Business managers make the best use of available resources such as man, material, money and time in order to achieve the objective that is given.

For successful completion of this program, students must complete the core courses along with at least one of the seven options:

- Management
- Marketing
- International Business
- Information Technology
- Sales

# WSC [CTE PROGRAMS]

- Recreation Management
- Corporate Fitness

## PROGRAM OUTCOMES:

After successful completion of this program, graduates will be able to:

1. Combine computer and communication skills to generate high-quality business projects.
2. Knowledge of rhetoric: writing in a clear, organized, and concise way with respect to audience, context, and purpose
3. Demonstrate critical reading, thinking and writing ability
4. Assess the internal and external environments in which businesses operate to determine appropriate strategies.
5. Demonstrate knowledge of diverse cultures and value systems of all stakeholders.
6. Apply health-related knowledge to promote physical and mental well-being.

PROGRAM REQUIREMENTS:			CREDITS
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
ASC	100	College Strategies	1
BADM	201	Principles of Marketing	3
BADM	202	Principles of Management	3
BADM	203	Leadership Techniques	3
CSCI	101	Introduction to Computers	3
ECON	202	Principles of Macroeconomics	3
Wellness			2

### ONE OF THE FOLLOWING: 3

COMM	212	Interpersonal Communication
COMM	217	Organizational Communication

### ONE OF THE FOLLOWING: 3

COMM	110	Fundamentals of Public Speaking
ENGL	110	College Composition I
ENGL	125	Introduction to Professional Writing

### ONE OF THE FOLLOWING: 3

MATH	103	College Algebra
MATH	210	Elementary Statistics

### ONE OF THE FOLLOWING: 3

POLS	115	American Government
POLS	116	State & Local Government

### ONE OF THE FOLLOWING: 3

PSYC	111	Introduction to Psychology
SOC	110	Introduction to Sociology

### ONE OF THE FOLLOWING: 3

COMM	216	Intercultural Communication
SOC	115	Social Problems
SOC	235	Cultural Diversity

### ONE OF THE FOLLOWING: 3

PHIL	210	Ethics
PHIL	215	Contemporary Moral Issues

## OPTION: MANAGEMENT

PROGRAM REQUIREMENTS:			CREDITS
BADM	269	Business Ethics	3

### ONE OF THE FOLLOWING:

BADM	240	Sales	2
ENTR	170	Introduction to Entrepreneurship	3
ENTR	234	Customer Service	3
ENTR	236	E-Commerce and International Business	3

### ONE OF THE FOLLOWING:

PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3

## OPTION: MARKETING

## PROGRAM REQUIREMENTS: CREDITS

BADM	208	Event Planning	3
BADM	210	Advertising I	3
BADM	211	Advertising II	3
BADM	220	Consumer Behavior	3
BADM	240	Sales	3

## OPTION: INTERNATIONAL BUSINESS

## PROGRAM REQUIREMENTS: CREDITS

BADM	269	Business Ethics	3
COMM	212	Interpersonal Communication	3
ECON	201	Microeconomics	3

### ONE OF THE FOLLOWING:

COMM	216	Intercultural Communication	3
SOC	235	Cultural Diversity	3

### ONE OF THE FOLLOWING:

POLS	115	American Government	3
POLS	116	State & Local Government	3

STRONGLY RECOMMEND studying a foreign language

## OPTION: INFORMATION TECHNOLOGY

## PROGRAM REQUIREMENTS: CREDITS

CIS	128	Microcomputer Hardware I	3
CIS	129	Microcomputer Hardware II	3
CIS	164	Networking Fundamentals I	3
CIS	165	Networking Fundamentals II	3

### ONE OF THE FOLLOWING:

COMM	216	Intercultural Communication	3
COMM	217	Organizational Communication	3
CSCI	289	Social Implications of Computer Technology	3
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3

## OPTION: SALES

PROGRAM REQUIREMENTS:			CREDITS
BADM	240	Sales	2

### ONE OF THE FOLLOWING:

BADM	220	Consumer Behavior	3
BADM	260	Principles of Retailing	3
COMM	212	Interpersonal Communication	3
ECON	201	Microeconomics	3

### ONE OF THE FOLLOWING:

BADM	220	Consumer Behavior	3
BADM	260	Principles of Retailing	3

### ONE OF THE FOLLOWING:

BADM	269	Business Ethics	3
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3

## OPTION: RECREATION MANAGEMENT

## PROGRAM REQUIREMENTS: CREDITS

COOP	197	Cooperative Education/Internship (2 minimum for graduation)	0.5-6
HPER	210	First Aid/CPR	1
REC	101	Introduction to Recreation Management	3
REC	201	Recreation Areas and Facilities Management	3
REC	216	Recreation Programming	3
REC	286	Recreation Administration	3

## OPTION: CORPORATE FITNESS

## PROGRAM REQUIREMENTS: CREDITS

AH	260	Kinesiology I	3
AH	260/L	Kinesiology I Lab	1

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AH	261	Kinesiology II	3
AH	261/L	Kinesiology II Lab	1
BIOL	115/L	Human Structure & Function with Lab	4
HPER	217	Personal and Community Health	3
HPER	218	Personal Trainer Preparation	3
NUTR	222	Contemporary Nutrition	3

## CERTIFICATE

18 required program credits; minimum 24 required credits for Certificate  
Minimum 30 required credits for Certificate

At Williston State College, we offer a Certificate Program in Business Management. You will not only learn the latest theories of business management, finance, marketing, economics, and communication, you will apply them to real-life settings. The specialized knowledge cultivated through WSC's certificate program is another step in your total professional development and will boost your earning potential and marketability in today's demanding workplace. Furthermore, course credits can be applied toward a WSC degree or transferred to another university.

Business managers make the best use of available resources such as man, material, money and time in order to achieve the objective that is given.

PROGRAM REQUIREMENTS:			CREDITS
ASC	100	College Strategies	1
ACCT	200	Elements of Accounting I	3
BADM	201	Principles of Marketing	3
BADM	202	Principles of Management	3
ENGL	125	Introduction to Professional Writing	3
		Wellness Elective	2
		Communication Elective	3

SUGGESTED ELECTIVES:			CREDITS
COMM	212	Interpersonal Communication	3
COMM	216	Intercultural Communication	3
COMM	217	Organizational Communication	3
Elective – Economics (Social Science)			
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
Elective – Ethics+			
PHIL	210	Ethics	3
PHIL	215	Contemporary Moral Issues	3

## DIESEL TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE (AAS)

60 required program credits  
Minimum 62 required credits for AAS

#### PROGRAM DESCRIPTION

The employment possibilities in the diesel field have more than doubled over the past ten years. Some employment areas are in trucking, heavy equipment, implement repair, railroads, and automotive. Positions include shop technician, shop foreman, service managers, company service representatives, and private shop owners.

Job opportunities will increase along with the number of diesel units, Each year several thousand technicians retire; thus, the demand for diesel technician will continue to rise.

The diesel technician of today must possess a high degree of proficiency in reading and understanding technical manuals. The technician must be able to diagnose and correct equipment malfunctions and also relate to customers, supervisors, and the general public.

The objective of the diesel technology program is to provide quality training for students to serve effectively in current and new generation technologies of complex diesel engines and related systems. The student receives instruction in rebuilding, testing, and troubleshooting brakes, suspension, electrical, drive trains, heating and air conditioning, engines, fuel, and hydraulic systems.

#### PROGRAM OUTCOMES:

The student will be able to:

1. Make troubleshooting decisions and complete repairs using the

proper tools and equipment based on the concepts and processes learned in the Diesel Program.

2. Be prepared to take NATEF Heavy Duty Repair tests.
3. Apply the knowledge of ethics laws, safety laws, and shop safety to their training and future employment.
4. Apply the knowledge of hazardous material laws and processes to their training and future employment.
5. Demonstrate communication and reasoning skills, the knowledge of diverse cultures and apply health-related knowledge to promote physical and mental well-being.
6. Become employable in their chosen field.

#### PROGRAM REQUIREMENTS:

PROGRAM REQUIREMENTS:			CREDITS
DTEC	106	Intro to Diesel Engines	4
DTEC	107	Basic Electrical Systems	5
DTEC	126	Intro/Fuel/Ignition Systems	6
DTEC	127	Hydraulics/Pneumatic Systems	4
DTEC	136	Brakes Systems	5
DTEC	137	Suspension and Steering Systems	6
DTEC	216	Advanced Electronic/Fuel Systems	4
DTEC	217	Heating, Ventilation, Air Conditioning and Cooling Systems	5
DTEC	220	Drive Train Systems	6
DTEC	266	Shop Practices/Welding	4
DTEC	267	Diesel Engine Diag/Repair	5
DTEC	296	Maintenance Procedures	6

\*See graduation requirements for CTE programs.

## DIPLOMA

60 required program credits  
Minimum 62 required credits for Diploma

The employment possibilities in the diesel field have more than doubled over the past ten years. Some employment areas are in trucking, heavy equipment, implement repair, railroad, and automotive. Positions include shop technician, shop foreman, service managers, company service representatives, and private shop owners.

Job opportunities will increase along with the number of diesel units, Each year several thousand technicians retire; thus, the demand for diesel technician will continue to rise.

The diesel technician of today must possess a high degree of proficiency in reading and understanding technical manuals. The technician must be able to diagnose and correct equipment malfunctions and also relate to customers, supervisors, and the general public.

The objective of the diesel technology program is to provide quality training for students to serve effectively in current and new generation technologies of complex diesel engines and related systems. The student receives instruction in rebuilding, testing, and troubleshooting brakes, suspension, electrical, drive trains, heating and air conditioning, engines, fuel, and hydraulic systems.

PROGRAM REQUIREMENTS:			CREDITS
DTEC	106	Intro to Diesel Engines	4
DTEC	107	Basic Electrical Systems	5
DTEC	126	Intro/Fuel/Ignition Systems	6
DTEC	127	Hydraulics/Pneumatic Systems	4
DTEC	136	Brakes Systems	5
DTEC	137	Suspension and Steering Systems	6
DTEC	216	Advanced Electronic/Fuel Systems	4
DTEC	217	Heating, Ventilation, Air Conditioning and Cooling Systems	5
DTEC	220	Drive Train Systems	6
DTEC	266	Shop Practices/Welding	4
DTEC	267	Diesel Engine Diag/Repair	5
DTEC	296	Maintenance Procedures	6

\*See graduation requirements for CTE programs.

# WSC [CTE PROGRAMS]

## GENERAL & TECHNICAL STUDIES

### ASSOCIATE IN APPLIED SCIENCE (AAS)

2 required program credits  
Minimum 62 credits required for AAS

#### PROGRAM DESCRIPTION

The General and Technical Studies program is designed for students wishing to pursue a personalized Associate in Applied Science Degree, or Certificate program. The curriculum includes career-technical, general education/transfer, and topics courses. Program requirements are flexible so as to help students establish their educational goals.

The General and Technical Studies program falls within the mission of Williston State College by providing students with general and developmental education courses. In addition, the program provides assistance in student development through career exploration, advisement, and diversity of course options.

#### PROGRAM OUTCOMES:

The Student will be able to:

1. Demonstrate effective communication skills using a variety of genres, and utilizing different technologies.
2. Use critical thinking and reasoning skills to analyze and solve problems.
3. Demonstrate knowledge of diverse cultures and value systems.
4. Apply health-related knowledge to promote physical and mental well-being.
5. Display professionalism in appearance, job performance, and ability to work as team members.
6. Develop the professional competencies to function effectively within their chosen academic disciplines and careers.

#### PROGRAM REQUIREMENTS:

1. One or more credits of COOP 197 (Cooperative Education/Internship)
2. Capstone (1 Credit)
3. Remaining credits should be chosen based on student's career goals and be approved by the program team. Student can earn up to 15 credits for approved credit for prior learning.

### CERTIFICATE

1 required program credits  
Minimum 30 credits required for Certificate

#### PROGRAM DESCRIPTION

The General and Technical Studies program is designed for students wishing to pursue a personalized Associate in Applied Science Degree, or Certificate program. The curriculum includes career-technical, general education/transfer, and topics courses. Program requirements are flexible so as to help students establish their educational goals.

The General and Technical Studies program falls within the mission of Williston State College by providing students with general and developmental education courses. In addition, the program provides assistance in student development through career exploration, advisement, and diversity of course options.

#### GENERAL EDUCATIONAL REQUIREMENTS:

5 Credit (including one of the following COMM classes)

1. COMM 110 (Fundamentals Of Public Speaking)
2. COMM 216 (Intercultural Communication)
3. COMM 212 (Interpersonal Communication)

#### PROGRAM REQUIREMENTS:

1. COOP 197 1 Credit (Cooperative Education/Internship)
2. Capstone (1 Credit) (suggested but optional course)
3. 9 remaining credits should be chosen based on the students' career goals and be approved by the program team.

\*See graduation requirements for CTE programs.

## HEALTH INFORMATION MANAGEMENT

### ASSOCIATE IN APPLIED SCIENCE (AAS)

58 required program credits  
Minimum 62 credits required for AAS

#### PROGRAM DESCRIPTION

The Health Information Management degree program prepares students for employment in a variety of health care areas: hospitals, clinics, private medical practices, chiropractic offices, dental offices, veterinary hospitals, nursing homes and assisted-living facilities, government agencies and insurance companies. Students should be able to find employment in the records management department as well as in many other areas of the facility. Upon completion of the program, students should be eligible to sit for the Certified Coding Associate (CCA) examination sponsored by the American Health Information Management Association.

#### PROGRAM OUTCOMES:

The student will be able to:

1. Read, understand and prepare medical business documents and forms.
2. Communicate accurately and effectively, both verbally and in writing with diverse clients, customers, coworkers and supervisors in the workplace.
3. Exhibit a commitment and professional capability to the coding profession.
4. Demonstrate competency of the coding profession, in both hospital and physician practices, as outlined in AHIMAs CCA Exam Content Outline and the CCA Exam Blueprint.

#### PROGRAM REQUIREMENTS:

			CREDITS
ACCT	102	Fundamentals of Accounting	3
AH	138	Medical Coding I	3
AH	139	Medical Coding II	3
AH	140	Coding Certification Preparation	2
AH	171	Medical Terminology I	3
AH	172	Medical Terminology II	2
AH	220	Fundamentals of Medical Transcription	3
AH	266	Laboratory Procedures	2
AH	267	Human Diseases & Surgical Procedures	2
AH	281	Medical Insurance/Billing	3
AH	231	Healthcare Law & Ethics	1
AH	287	Computer Applications in Healthcare	2
BIOL	115	Human Structure & Function	3
BOTE	121	Business English	3
BOTE	152	Keyboarding II	2
BOTE	275	Administrative Office Procedures	3
COMM	110	Fundamentals of Public Speaking	3
COOP	197	Cooperative Education/Internship	1
CSCI	101	Introduction to Computers	3
ENGL	125	Introduction to Professional Writing	3
PHRM	137	Pharmacology for Business	2
SOC	110	Introduction to Sociology	3
		Wellness Electives	2

\*See graduation requirements for CTE programs.

### OPTION: MEDICAL BILLING & CODING

#### CERTIFICATE PROGRAM

34 required program credits  
Minimum 30 credits required for Certificate

#### PROGRAM DESCRIPTION

The Medical Billing & Coding certificate program prepares students for employment in a variety of health care areas: hospitals, clinics, private medical practices, chiropractic offices, dental offices, veterinary hospitals, nursing homes and assisted-living facilities, government agencies and insurance companies. Students should be able to find employment in the records management department as well as in many other areas of the facility. Upon completion of the Medical Billing & Coding certificate, students will be eligible to sit for the Certified Coding Associate (CCA) examination sponsored by the American Health Information Management Association.

# WSC [CTE PROGRAMS]

<b>PROGRAM REQUIREMENTS:</b>			<b>CREDITS</b>
AH	138	Medical Coding I	3
AH	139	Medical Coding II	3
AH	140	Coding Certification Preparation	2
AH	171	Medical Terminology I	3
AH	172	Medical Terminology II	2
AH	266	Laboratory Procedures	2
AH	267	Human Diseases & Surgical Procedures	2
AH	281	Medical Insurance/Billing	3
AH	231	Healthcare Law & Ethics	1
AH	287	Computer Applications in Healthcare	2
BIOL	115	Human Structure & Function (GE 1b)	3
BOTE	121	Business English	3
CSCI	101	Introduction to Computers (GE 2c)	3
PHRM	137	Pharmacology for Business	2

\*See graduation requirements for CTE programs.

## INFORMATION TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE (AAS)

27 required program credits; plus required option credits  
Minimum 62 required credits for AAS

#### PROGRAM DESCRIPTION

This program prepares individuals to support business information operations by using computer equipment to enter, process, and retrieve data for a wide variety of administrative purposes. Instructional components include oral, written and electronic communications; using basic software and hardware; computer operating systems; basic programming; desktop publishing; creating and editing spreadsheets; creating and maintaining databases; document formatting; personnel and office management techniques; and cooperative work experience.

#### PROGRAM OUTCOMES:

The student will be able to:

1. Demonstrate computer network installation, maintenance and repair skills
2. Design, install and troubleshoot a Local Area Network (LAN)
3. Describe the fundamentals of Wide Area Networking (WAN)
4. Apply knowledge and interact with Windows server technologies to manage users, active directory, network infrastructure configuration and server applications
5. Demonstrate a knowledge of computer network security concepts and techniques
6. Demonstrate a knowledge of basic project management concepts and management tools
7. Perform fundamental desktop management skills using a Linux based operating system
8. Demonstrate a knowledge of wireless LAN
9. Troubleshoot and repair computer hardware and software problems

<b>PROGRAM REQUIREMENTS:</b>			<b>CREDITS</b>
CIS	104	Microcomputer Database Access	3
CIS	128	Microcomputer Hardware I	3
CIS	129	Microcomputer Hardware II	3
CIS	162	Operating Systems Windows	3
CIS	164	Networking Fundamentals I	3
CIS	180	Creating Web Pages I	3
CIS	215	Implementing MS Windows Server	3
CSCI	101	Introduction to Computers	3
CSCI	122	Visual Basic	3

\*See graduation requirements for CTE programs.

### OPTION: NETWORKING

<b>PROGRAM REQUIREMENTS:</b>			<b>CREDITS</b>
CIS	165	Networking Fundamentals II	3
CIS	212	Microsoft Windows OS Client	3
CIS	220	Operating Systems-UNIX	3

CIS	267	Intermediate Networking I	3
CIS	268	Intermediate Networking II	3
CIS	299	Special Topics- Computer and Net. Tools	3
CIS	299	Special Topics- Visualization	3
COOP	197	Cooperative Education/Internship	1

\*See graduation requirements for CTE programs.

### OPTION: WEB DESIGN

<b>PROGRAM REQUIREMENTS:</b>			<b>CREDITS</b>
CIS	211	Web Plan & Design	3
CIS	232	Graphics Design	3
CIS	233	Vector Graphics and Web Animation	3

\*See graduation requirements for CTE programs.

### OPTION: GEOGRAPHIC INFORMATION SYSTEMS (GIS)

<b>PROGRAM REQUIREMENTS:</b>			<b>CREDITS</b>
GEOG	105	Physical Geography L/L	3
GIS	105	Fundamentals of GIS	3
GIS	107	Geographic Information System Applications	3
GIS	245	Advanced Applications in GIS	3

\*See graduation requirements for CTE programs.

### OPTION: PROGRAMMING

<b>PROGRAM REQUIREMENTS:</b>			<b>CREDITS</b>
CSCI	127	Beginning JAVA/J++	3
CSCI	160	Computer Science I	4
CSCI	161	Computer Science II	4
CSCI	172	Intermediate Visual Basic	3
COMM	110	Fundamentals of Public Speaking	3
COOP	197	Cooperative Education/Internship	1
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
MATH	103	College Algebra	3
		Wellness Course	2
		Electives	3

\*See graduation requirements for CTE programs.

## MESSAGE THERAPY

### ASSOCIATE OF APPLIED SCIENCE (AAS)

59.5 required program credits  
Minimum 62 required credits for AAS

#### PROGRAM DESCRIPTION

The mission of the massage therapy program is to prepare students to become practicing entry-level massage therapists. Massage therapists use the art of massage and other complementary modalities for treatment of body dysfunction and general wellness benefits. Graduates will work with a wide variety of neuromusculoskeletal conditions as well as in providing clients massage for general relaxation. The majority of massage therapists are self-employed, although many are employed at resorts, cruise lines, casinos, wellness centers, hospitals, nursing homes and outpatient clinics.

The massage therapy program assists students in obtaining the skills required to successfully function in the delivery of health care as a massage therapist. It is designed to allow students the opportunity to learn about the human body, how it functions, the effects of injury or disease, and the benefits of massage to maximize function. It also provides them hands-on, practical experience in preparation for a national examination.

#### PROGRAM OUTCOMES:

The student will be able to:

1. Demonstrate proper protocol in client service.
2. Explain and comply with ethics, boundaries, laws and regulations.
3. Explain and perform a full-body massage treatment.
4. Design appropriate treatment based on respecting the diverse needs of each client.



# WSC [CTE PROGRAMS]

## PROGRAM REQUIREMENTS:

PROGRAM REQUIREMENTS:			CREDITS
AH	130	Pathology for Allied Health	3
AH	170	Medical Terminology	1
AH	260	Kinesiology I	3
AH	261	Kinesiology II	3
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
COMM	212	Interpersonal Communication	3
ENGL	110	College Composition I	3
OR			
ENGL	125	Introduction to Professional Writing	3
HPER	210	First Aid & CPR	1
MASG	101	Introduction to Massage Therapy	2
MASG	120	Swedish Massage I	3
MASG	121	Massage Clinical I	1/2
MASG	150	Kinesiology Techniques I	3
MASG	160	Clinical Topics	2
MASG	220	Swedish Massage II	3
MASG	221	Massage Clinical II	3
MASG	240	The Business of Massage	2
MASG	250	Kinesiology Techniques II	3
MASG	260	Advanced Massage Techniques	4
NUTR	222	Contemporary Nutrition	3
PSYC	111	Introduction to Psychology	3

## CERTIFICATE

38.5 required program credits

Minimum 30 required credits for Certificate

## PROGRAM DESCRIPTION

The mission of the massage therapy program is to prepare students to become practicing entry-level massage therapists. Massage therapists use the art of massage and other complementary modalities for treatment of body dysfunction and general wellness benefits. Graduates will work with a wide variety of neuromusculoskeletal conditions as well as in providing clients massage for general relaxation. The majority of massage therapists are self-employed, although many are employed at resorts, cruise lines, casinos, wellness centers, hospitals, nursing homes and outpatient clinics.

The massage therapy program assists students in obtaining the skills required to successfully function in the delivery of health care as a massage therapist. It is designed to allow students the opportunity to learn about the human body, how it functions, the effects of injury or disease, and the benefits of massage to maximize function. It also provides them hands-on, practical experience in preparation for a national examination.

## PROGRAM REQUIREMENTS:

PROGRAM REQUIREMENTS:			CREDITS
AH	130	Pathology for Allied Health	3
AH	260	Kinesiology I	3
AH	261	Kinesiology II	3
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
HPER	210	First Aid & CPR	1
MASG	101	Introduction to Massage Therapy	2
MASG	120	Swedish Massage I	3
MASG	121	Massage Clinical I	1 1/2
MASG	160	Clinical Topics	2
MASG	220	Swedish Massage II	3
MASG	221	Massage Clinical II	3
MASG	240	The Business of Massage	2
MASG	260	Advanced Massage Techniques	4

\*See graduation requirements for CTE programs.

## MEDICAL TRANSCRIPTION

### ASSOCIATE IN APPLIED SCIENCE (AAS)

59 required program credits

Minimum 62 required credits for AAS

## PROGRAM DESCRIPTION

The Medical Transcription program is designed to prepare students for employment as medical transcriptionists in a variety of medical settings as well as to prepare them for home employment. The program will provide students with the skills and knowledge required for entry-level

employment as medical transcriptionists and to prepare students to take the national examination for certification.

## PROGRAM OUTCOMES:

The student will be able to:

1. Transcribe, proofread and edit medical dictation and transcription.
2. Communicate accurately and effectively, both verbally and in writing with diverse clients, customers, coworkers and supervisors in the workplace.
3. Employ key concepts, vocabularies, processes, systems and standards outlined under the AHDI Model Curriculum to the transcription process.
4. Demonstrate competency of the knowledge and skills identified as Level 1 in AHDI's Medical Transcriptionist Job Descriptions and as outlined in the RMT Exam Blue Print.

## PROGRAM REQUIREMENTS:

PROGRAM REQUIREMENTS:			CREDITS
BIOL	115	Human Structure and Function L/L	4
BOTE	275	Administrative Office Procedures	3
COMM	217	Organizational Communication	3
COOP	197	Cooperative Education/Internship	1
CSCI	101	Introduction to Computers	3
ENGL	125	Intro to Professional Writing	3
HPER	100	Concepts of Fitness and Wellness	2
PHRM	137	Pharmacology for Business	3
AH	138	Medical Coding I	3
AH	134	Medical Disorders	3
AH	171	Medical Terminology I	3
AH	172	Medical Terminology II	2
AH	222	Medical Transcription I	3
AH	223	Medical Transcription II	3
AH	231	Healthcare Law & Ethics	1
AH	227	Advanced Medical Transcription – Gastroenterology	2
AH	226	Advanced Medical Transcription – Orthopedics	2
AH	229	Advanced Medical Transcription – Cardiology	2
AH	230	Advanced Medical Transcription – Surgery	2
AH	235	Intro to Speech Recognition	2
AH	236	ESL Dictation	2
AH	250	RMT Exam Prep	1
AH	266	Laboratory Procedures	2
AH	267	Human Disease & Surgical Procedures	2
AH	287	Computer Applications in Healthcare	2

## SUGGESTED ELECTIVES:

SUGGESTED ELECTIVES:			CREDITS
AH	139	Medical Coding II	3
AH	281	Medical Insurance/Billing	3
SOC	110	Intro to Sociology	3
SWK	256	Introduction to Human Services	3

\*See graduation requirements for CTE programs.

## CERTIFICATE

40 required program credits

Minimum 30 required credits for Certificate

## PROGRAM DESCRIPTION

The Medical Transcription program is designed to prepare students for employment as medical transcriptionists in a variety of medical settings as well as to prepare them for home employment. The program will provide students with the skills and knowledge required for entry-level employment as medical transcriptionists and to prepare students to take

the national examination for certification.

## PROGRAM REQUIREMENTS:

PROGRAM REQUIREMENTS:			CREDITS
BIOL	115	Human Structure and Function L/L	4
ENGL	125	Intro to Professional Writing	3
PHRM	137	Pharmacology for Business	3
AH	134	Medical Disorders	3
AH	171	Medical Terminology I	3
AH	172	Medical Terminology II	2
AH	222	Medical Transcription I	3



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AH	223	Medical Transcription II	3
AH	227	Advanced Medical Transcription – Gastroenterology	2
AH	226	Advanced Medical Transcription – Orthopedics	2
AH	229	Advanced Medical Transcription – Cardiology	2
AH	230	Advanced Medical Transcription – Surgery	2
AH	231	Healthcare Law & Ethics	1
AH	235	Intro to Speech Recognition	2
AH	236	ESL Dictation	2
AH	250	RMT Exam Prep (2nd 8 weeks)	1
AH	287	Computer Applications in Healthcare	2

## MENTAL HEALTH/ADDICTIONS TECHNICIAN

### ASSOCIATE IN APPLIED SCIENCE (AAS)

51 required program credits  
Minimum 62 required credits for AAS

#### PROGRAM DESCRIPTION

Strong people skills, good oral communication, problem-solving skills, and the ability to interact with individuals with mental health or addictions issues are skills required for this field. Students must be open to working with diverse populations in diverse settings.

The online program is designed to prepare students to work in entry-level positions in mental health or addictions treatment facilities. Mental Health/Addictions Technicians may be employed in mental health and drug treatment centers, human service centers, hospitals, and public and private residential treatment centers. Technicians will typically work under the supervision of social workers, registered nurses, addictions counselors, psychologists and psychiatrists.

#### PROGRAM OUTCOMES:

The students completing the program will be able to:

1. Communicate and interact effectively with healthcare team and the clients.
2. Utilize the knowledge and skills in the workplace.
3. Recognize the role diversity plays in individual, group, and family dynamics.

Employment opportunities are projected to increase, however state and federal funding may influence the number of positions that will be available

PROGRAM REQUIREMENTS:			CREDITS
AH	231	Healthcare Law & Ethics	1
BIOL	115	Human Structure & Function	3
CSCI	101	Introduction to Computers	3
ENGL	110	College Composition I	3
HPER	210	First Aid & CPR	1
MHA	201	Mental Health I	4
MHA	205	Mental Health II	4
MHA	210	Addictions I	4
MHA	215	Addictions II	4
MHA	220	Internship	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
PSYC	270	Abnormal Psychology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3
SWK	200	Introduction to Helping Relationships	3
SWK	256	Introduction to Human Services	3
Electives			9

\*See graduation requirements for CTE programs.

### CERTIFICATE

37 required program credits  
Minimum 30 required credits for Certificate

#### PROGRAM DESCRIPTION

The two-year associate degree program is designed to prepare students to work in entry-level positions in mental health or addictions facilities.

Completers of the program may be employed in mental health centers, drug treatment centers, human service organizations, hospitals, and public and private residential treatment centers. Technicians will typically work under the supervision of social workers, psychiatrists, psychologists, addiction counselors, and nurses.

The curriculum provides a background in psychology, sociology, related laws and regulations and the core courses in mental health and addictions. The curriculum is designed to prepare students to assist in problem solving, crisis management, case management, medication monitoring, and living activities. The curriculum consists of theory courses and hands-on internships.

Students can complete a certificate program with one year of study, or an Associate in Applied Science Degree after completing a second year of additional study.

#### CRITERIA FOR ADMISSION:

Admission to the MHA program is on a competitive basis. Applications are available in the spring of each year. The following criteria must be met to be considered for admission:

1. Admission to Williston State College
2. Minimum GPA of 2.25
3. Pass a drug test if required
4. Completion of program application packet
5. In the unlikely event there are insufficient numbers of qualified applicants to fill the available student slots, the college reserves the right to reduce the number of applicants accepted or to consider outstanding applicants who have not completely fulfilled all admission criteria.

#### PROGRAM REQUIREMENTS: CREDITS

CSCI	101	Introduction to Computers	3
ENGL	110	College Composition I	3
MHA	201	Mental Health I	4
MHA	205	Mental Health II	4
MHA	210	Addictions I	4
MHA	215	Addictions II	4
MHA	220	Internship	3
PSYC	111	Introduction to Psychology	3
PSYC	270	Abnormal Psychology	3
SWK	200	Introduction to Helping Relationships	3
SWK	256	Introduction to Human Services	3

## NURSING

### DAKOTA PRACTICAL NURSING PROGRAM CERTIFICATE

40 required program credits  
Minimum 30 required credits for Certificate

#### PROGRAM DESCRIPTION

The Dakota Practical Nursing Program prepares students to work as licensed practical nurses (LPN) under the supervision of a registered nurse, physician, or dentist. LPNs perform acts utilizing specialized knowledge, skills, and abilities for people in a variety of settings (2003 ND Nurse Practices Act). Employment is found in hospitals, nursing homes, health centers, and clinics, as well as in a variety of other settings. This program of study leads to a Certificate. Upon completion of the program, the individual is qualified to apply to take the National Council Licensure Examination for Practical Nurses, as required by the North Dakota State Board of Nursing for licensure as an LPN. Graduates may apply to the Dakota Associate Degree Nursing Program at the consortium colleges or transfer many of the credits earned to another community college or university. The Dakota Practical Nursing Program is offered in collaboration between five colleges; Bismarck State College, Lake Region State College, Dakota College, Fort Berthold Community College, and Williston State College.

Students in the Practical Nursing Program will be required to attend summer school. Students enrolled in programs that require attendance during summer term in order to graduate, must consider additional financial planning in order to meet costs during the summer term.

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## CRITERIA FOR ADMISSION:

Admission to the Practical Nursing Program is on a competitive basis. The following criteria must be met to be considered for admission:

1. Admission to Williston State College
2. Possession of a high school diploma or equivalent
3. Proof of CNA training and certification in North Dakota
4. Proof of current CPR training for Health Care Providers from the American Heart Association or the Red Cross.
5. ASC 100 College Strategies or College Transition as determined by College Advisor.
6. ENGL 110-College Composition I
7. Student must have completed at minimum the developmental math courses with a "Satisfactorily" grade or "C" or better so they are prepared to enter MATH 103 College Algebra (or higher math courses), OR equivalent scores for ACT/PLAN/SAT/COMPASS. (Math Skills Readiness must be completed within 5 years of application).
8. ACT composite score of 19 (or COMPASS test with comparable scores)
9. CHEM 115 - Introductory Chemistry L/L
10. Minimum overall GPA of 2.50
11. Minimum GPA of 2.75 in all prerequisite and program requirements
12. If taken earlier, Pharmacology, Developmental Psychology, Required Math, and Anatomy and Physiology I & II and laboratories must not be older than five years from the date of entrance to the nursing program.
13. For those of whom English is not their native language (including international and/or U.S. residents), additional language proficiency requirements must be met by successfully passing the TOEFL exam.
14. Prior to entering class all students must pass a drug screening exam and criminal background check.
15. Completion of candidate interview.

Application forms for admission to the Dakota Nursing Program may be obtained from the nursing office in January. The admissions committee will review the application and qualifications of each individual. Students will be notified in writing of their acceptance status. The number of students admitted will vary by location.

## PROGRAM REQUIREMENTS:

			CREDITS
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
NURS	120	Foundations of Nursing	3
NURS	121	Practical Nursing I	3
NURS	122	Clinical Practice I	3
NURS	124	Clinical Practice II	3
NURS	126	Clinical Practice III	3
NURS	127	Practical Nursing II: Introduction to Medical-Surgical Nursing	2
NURS	129	Practical Nursing III	4
NURS	145	Introduction to Maternal-Child Nursing	2
PHRM	215	Introduction to Pharmacology	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3

Upon completion of the 11 month program, students will be eligible for a Certificate in Practical Nursing.

Students must have an e-mail account and access to reliable high speed internet. Some course components may be offered in an on-line format. Classes will be presented using a variety of technology. Students must complete the 40 credits with a 2.75 GPA or higher.

Clinical experiences are supervised by Williston State College nursing faculty. Clinical experiences will be provided at Mercy Medical Center, local clinics, Bethel Lutheran Home in Williston, ND, State Hospital in Jamestown, ND, and at other specified locations.

Opportunity for validation of student achievement of specific course objectives by alternate methods is provided by the nursing department. Nursing faculty will review each situation on an individual basis. For further information, contact the nursing program coordinator.

\*See graduation requirements for CTE programs.

## DAKOTA ASSOCIATE DEGREE NURSING PROGRAM (AAS)

28 required program credits  
Minimum 62 required credits for AAS

### PROGRAM DESCRIPTION

The Dakota Associate Degree Nursing Program is designed to be a 1+1 nursing program in which completion of the first year of the program meets the requirements for a practical nursing certificate and completion of the second year of this program meets the requirements for an Associate in Applied Science Degree in Nursing. Students must be an LPN with an unencumbered USA license or be in the final process of completion of the Dakota Practical Nursing Program. The Dakota Associate Degree Nursing curriculum prepares individuals with the knowledge, abilities, and skills to practice nursing independently and interdependently through application of the nursing process to provide safe nursing care to individuals and families across the lifespan in a variety of settings. Upon completion of the program, the individual is qualified to apply to take the National Council Licensure Examination for Registered Nurses, as required by the North Dakota State Board of Nursing for licensure as an RN.

Employment opportunities include acute care centers, long-term care facilities, clinics, outpatient offices, industry, and community agencies. Graduates may transfer many of the credits earned in the Associate Degree program to a Baccalaureate Nursing Program. The Dakota Associate Degree Nursing Program is offered in collaboration between five colleges; Bismarck State College, Lake Region State College, Dakota College- Bottineau, Fort Berthold Community College, and Williston State College.

### CRITERIA FOR ADMISSION:

For current Dakota Practical Nursing Students:

1. Successful completion of the first year of the Dakota Nursing Program with a minimum GPA of 2.75 in all prerequisite and program courses.
2. Proof of current CPR training for health care providers
3. Submission of appropriate forms available from the Nursing Department by the designated date.
4. Successful completion of the preadmission examination

### FOR ALL OTHER APPLICANTS:

1. Unrestricted license to practice as a Licensed Practical Nurse in the United States
2. Proof of current CPR training for health care providers
3. Admission to WSC, as well as completion of a formal application to the Dakota Associate Degree Nursing Program. Admission to the college does not guarantee admission to the ADN program. Application forms for admission to the Dakota Associate Degree Nursing Program may be obtained from the Nursing Department after January 10th.
4. Successful completion of the preadmission examination
5. Completion of the following courses, each with a grade of C or better and an overall GPA of at least 2.75:
  - ENGL 110 College Composition I
  - PSYC 111 Introduction to Psychology
  - BIOL 220 Anatomy & Physiology I L/L
  - BIOL 221 Anatomy & Physiology II L/L
  - CHEM 115 Introductory Chemistry L/L
  - PHRM 215 Introduction to Pharmacology\*
  - PSYC 250 Developmental Psychology
  - ASC 100 College Strategies or College Transition as determined by College Advisor.
- \* Must be within five years of ADN admission
6. A minimum GPA of 2.75 in all prerequisite and program courses
7. For those of whom English is not their native language (including international and/or U.S. residents), additional language proficiency requirements must be met by successfully passing the TOEFL exam.
8. Prior to entering class all students must pass a drug screening exam and criminal background check.
9. Completion of candidate interview.

Application forms for admission to the Dakota Associate Degree Nursing Program may be obtained from the Nursing Department in January. The Admissions Committee will review the application and qualifications

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of each individual. All applicants must pass a background check and drug screen.

Students will be notified in writing of their acceptance status. The number of students admitted will vary by location.

Students must complete the 31 credits with a 2.5 GPA or higher.

## PROGRAM OUTCOMES:

The student will be able to:

1. Adapt the nursing process to provide nursing care in diverse settings to meet the human needs of individuals along the health-illness continuum.
2. Incorporate various communication techniques in developing therapeutic relationships with individuals, families, and members of the interdisciplinary team.
3. Function within the legal and ethical scope of practice as an accountable member of the health care team, providing leadership and management in the delivery of quality nursing care consistent with the associate degree registered nurse.
4. Demonstrate professional behaviors as a member of the dynamic health care discipline of nursing incorporating independent and continuous learning.
5. Integrate teaching-learning principles in providing individuals and families with health care information and skills related to health promotion and maintenance.
6. Integrate social, biological, behavioral, and nursing sciences when providing evidence-based nursing care to diverse individuals across the lifespan.

## PROGRAM REQUIREMENTS:

PROGRAM REQUIREMENTS:			CREDITS
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
NURS	224	Professional Role Development	2
NURS	225	Alterations in Health I	3
NURS	226	Maternal Child Nursing	3
NURS	227	Clinical Applications I	4
NURS	228	Alterations in Health II	4
NURS	229	Health Promotion and Psychosocial Nursing	2
NURS	237	Clinical Applications II	5
NURS	259	Role Transitions	1

Upon completion of the second year, students will be eligible for an Associate in Applied Science degree.

Students must have an e-mail account and reliable high-speed internet. Some course components may be offered in an on-line format. Classes will be presented using a variety of technology. Clinical experiences are supervised by Williston State College nursing faculty.

Clinical experiences will be provided at Mercy Medical Center and various local clinics, the North West Human Services Center, and at other specified locations.

Opportunity for validation of student achievement of specific course objectives by alternate methods is provided by the nursing department. Nursing faculty will review each situation on an individual basis. For further information, contact the nursing program coordinator.

\*See graduation requirements for CTE programs.

## PETROLEUM PRODUCTION TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE (AAS)

61 required program credits  
Minimum 62 required credits for AAS

#### PROGRAM DESCRIPTION

Degrees and Certificates in Petroleum Production Technology are designed to provide students the necessary curriculum for job in the Oil and Gas industry. Training and coursework provides a diversity of knowledge that can be applied in many areas of the Petroleum Industry. The prescribed coursework will be a combination of core academic courses and highly specialized technical classes.

Safety training as designed and mandated by OSHA will be a major

component. Other courses will address work teams, communication and leadership as well the experiential training for the oil and gas industries. These courses prepare students for entry-level careers as part of a production team charged with safe and efficient extraction and flow of product. Those currently in the field who combine education with experience will be able to seek progression into managerial jobs with higher wages. As its foundation, the program will introduce students to the industry, its rich history, and purposes/procedures in varied petroleum technologies: exploration, drilling, production, transportation, marketing, and refining. Introductory and advanced oil and gas specialty topics as recommended by industry partners are heavily entrenched in the curriculum content.

The program will be highly experiential, allowing students to gain knowledge from lecture and hands-on application of concepts both in the lab setting and in the field. Students will gain knowledge related to basic oil field equipment maintenance and repair and environmental and regulatory mandates.

In addition, stackable training certifications for TrainND.

**PROGRAM/COURSE OUTCOMES ARE CURRENTLY UNDER REVISION AND WILL BE AVAILABLE FOR FALL 2013. PLEASE CONTACT THE PROGRAM COORDINATOR, JERRY BARROW, AT 701.774.4285 FOR ENROLLMENT INFORMATION.**

## RESIDENTIAL CARPENTRY TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE (AAS)

41 required program credits  
Minimum 62 required credits for AAS

Students who successfully complete the program will attain entry level, not expert skills. Graduates will have many employment opportunities in North Dakota, especially in the western part of the state.

Students enrolled in Williston State College's one year carpentry program will be doing a complete home makeover on an existing home. There is a great demand locally for entry level carpenters. Graduates can go directly to work for contractors, become specialized subcontractors, or even become self employed in the construction or property investment industry.

The program is accredited by the North Dakota Department of Career and Technical Education and the North Dakota Associated General Contractors.

#### PROGRAM OUTCOMES:

The student will be able to:

1. Work safely on a construction site.
2. Communicate and understand the interpersonal relationships among co-workers and with customers.
3. Master the skills to become employed as a carpenter or in a related field.

#### PROGRAM REQUIREMENTS:

PROGRAM REQUIREMENTS:			CREDITS
CARP	102	Core Curriculum	2
CARP	115	Site Layout and Foundation Construction	3
CARP	120	Principles of Framing	3
CARP	110	Blueprint Reading	2
CARP	125	Framing I	6
CARP	130	Exterior Finish	2
SPAN	101	First Year Spanish I	4
CARP	135	Framing II	4
CARP	140	Principles of Interior Finish	3
CARP	145	Interior Finish	6
CARP	175	Construction Equipment	4
CARP	155	House Design and Code Requirements	2

\*See graduation requirements for CTE Programs,

## CERTIFICATE

37 required program credits  
Minimum 30 required credits for Certificate

#### PROGRAM DESCRIPTION

# WSC [CTE PROGRAMS]

Students who successfully complete the program will attain entry level, not expert skills. Graduates will have many employment opportunities in North Dakota, especially in the western part of the state.

Students enrolled in Williston State College's one year carpentry program will be doing a complete home makeover on an existing home. There is a great demand locally for entry level carpenters. Graduates can go directly to work for contractors, become specialized subcontractors, or even become self-employed in the construction or property investment industry.

The program is accredited by the North Dakota Department of Career and Technical Education and the North Dakota Associated General Contractors.

PROGRAM REQUIREMENTS:			CREDITS
CARP	102	Core Curriculum	2
CARP	115	Site Layout and Foundation Construction	3
CARP	120	Principles of Framing	3
CARP	110	Blueprint Reading	2
CARP	125	Framing I	6
CARP	130	Exterior Finish	2
CARP	135	Framing 2	4
CARP	140	Principles of Interior Finish	3
CARP	145	Interior Finish	6
CARP	175	Construction Equipment	4
CARP	155	House Design and Code Requirements	2

\*See graduation requirements for CTE programs.

## SPEECH LANGUAGE PATHOLOGY ASSISTANT

### ASSOCIATE IN APPLIED SCIENCE (AAS)

64 required program credits  
Minimum 62 required credits for AAS

The SLPA program prepares students to be able to work in a school setting under the supervision of a qualified Speech-Language Pathologist. The Speech-Language Pathology Assistant Paraprofessional provides speech-language screenings without interpretation, following specified screening protocols developed by the supervising Speech-Language Pathologist; performs documented tasks developed by the supervising Speech-Language Pathologist; documents students' progress toward meeting objectives and reports this information to the supervising Speech-Language Pathologist; prepares materials, performs scheduling and maintains space or equipment. Employment is found in school settings.

The Speech-Language Pathology Assistant Paraprofessional Program is an online two-year Associate in Applied Science Degree program. The Program is offered through collaboration between colleges in North Dakota: Lake Region State College, Minot State University and Williston State College. This program leads to a Speech-Language Pathology Paraprofessional Certificate in the state of North Dakota. Students wishing to be certified in other states will need to contact the Department of Public Instruction of that particular state in order to become aware of the necessary state-specific requirements.

School districts may require criminal background checks before entering a school setting.

#### PROGRAM OUTCOMES:

The Speech-Language Pathology Assistant-Paraprofessional Program will:

1. Produce competent Speech-Language Pathology Paraprofessionals.
2. Serve as the foundation for further professional advancement and lifelong learning.
3. Assist in meeting the needs of the community and greater surrounding area for Speech-Language Pathology Assistant-Paraprofessionals.

#### CRITERIA FOR ADMISSION:

Admission to the program is on a competitive basis.

Applicants must meet the code of ethical conduct for Support Personnel established by the American Speech-Language-Hearing Association (ASHA). The facts and circumstances surrounding a matter of concern will determine whether the activity is ethical.

The following criteria must be met to be considered for admission to the SLPA program:

1. Admission to Williston State College
2. Submission of high school transcript (or equivalent) and all college transcripts
3. Submission of completed application to the Speech-Language Pathology Assistant Paraprofessional Program
4. Application letter (typed)
5. Two letters of reference
6. Completion (or in the process of completing) the following courses with a minimum GPA of 2.50:  
ENGL 110 College Composition I  
CSCI 101 Introduction to Computers  
BIOL 115/115L Human Structure & Function L/L  
CD 110 Survey of Communication Disorders
7. Overall college GPA of 2.25
8. School districts may require criminal background checks before entering a school setting.

Contact the SLPA Program Coordinator at Williston State College for application forms for admission to the Speech-Language Pathology Assistant-Paraprofessional Program. The admissions committee will review the applications and qualifications of each individual. Each student who has completed the application process will be notified in writing of her/his acceptance into the program. A maximum of 10 students will be admitted to each class at Lake Region State College and 10 students will be admitted to each class at Williston State College.

PROGRAM REQUIREMENTS:			CREDITS
BIOL	115	Human Structure & Function	3
BIOL	115L	Human Structure & Function Lab	1
CD	110	Survey of Communication Disorders	3
CD	210	Intro. to Speech Language Pathology	3
CD	220	App. Phonetics for Speech-Lang. Path. Assist.	3
CD	221	Lang. Devel. for Speech-Language Assist.	3
CD	222	Articulatory/Phonological Disorders for Speech Language Pathology Assistant	3
CD	224	Techniques for Speech-Lang. Path. Assist.	3
CD	225	Lang. Disorders and Treatment for the SLPA	3
CD	241	Practicum	4
CD	242	Audiology for Speech Lang Path Assistants	2
COMM	110	Fundamentals of Public Speaking	3
CSCI	101	Introduction to Computers	3
ENGL	110	College Composition I	3
ENGL	120	College Composition II	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3
SPED	110	Introduction to Exceptional Children	3

\*SPED 110 and 120 are required for graduation for the SLPA program. These courses must be taken corroboratively through Minot State University.

\*See graduation requirements for CTE programs.

## WELDING TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE (AAS)

47 required program credits  
Minimum 62 required credits for AAS

#### PROGRAM DESCRIPTION

The need for energy has created a global explosion in manufacturing, energy, and exploration. Skilled welders are needed more than ever to supply the needs of the different areas.

Students taking the welding course will have the option of either a 1 yr certificate or a 2 yr degree. All students completing the program will receive a welding certification. Students will earn welding either AWS or ASME certifications for both pipe and structural steel

# WSC [CTE PROGRAMS]

## PROGRAM OUTCOMES:

The student will be able to:

1. Measure and cut material accurately
2. Read and understand blueprints and welding symbols
3. Weld fillet and groove welds in all positions with the process of their choice
4. Fabricate parts
5. Repair weldments

## PROGRAM REQUIREMENTS:

			CREDITS
WELD	151	Welding Theory, Technology and Safety	3
WELD	153	SMAW Welding Lab	6
WELD	109	Blueprint Reading for Welders	3
WELD	121	Welding Theory and Safety for Semi-Automatic Processes	2
WELD	122	Wire Feed and Welding Certification Lab	6
WELD	131	Layout and Pattern Making Basics	3
WELD	213	Metal Fabrication Lab	3
WELD	209	Pipe and Pipe Layout	6
WELD	210	Pipe Welding Lab	5
WELD	214	GTAW Lab & Lecture	6
WELD	215	Specialty Weld Process	3
WELD	220	Basic Metallurgy	2

\*See graduation requirements for CTE programs.

## CERTIFICATE

25 required program credits

Minimum 30 required credits for Certificate

## PROGRAM DESCRIPTION

The need for energy has created a global explosion in manufacturing, energy, and exploration. Skilled welders are needed more than ever to supply the needs of the different areas.

Student enrolled in this certificate program will be trained in SMAW, FCAW, GMAW, Oxyfuel cutting and welding, and blueprint reading.

			CREDITS
WELD	151	Welding Theory, Technology and Safety	3
WELD	153	SMAW Welding Lab	6
WELD	109	Blueprint Reading for Welders	3
WELD	121	Welding Theory and Safety for Semi-Automatic Processes	2
WELD	122	Wire Feed and Welding Certification Lab	6
WELD	131	Layout and Pattern Making Basics	3
WELD	213	Metal Fabrication Lab	3

\*See graduation requirements for CTE programs.







# WSC [TRANSFER AREAS OF STUDY ]

## TRANSFER AREAS OF STUDY

### LEADING TO AN AA AND/OR AS DEGREE

Students intending to transfer to baccalaureate programs may begin their studies at Williston State College. Students can complete their general education requirements in addition to selected courses in their major area. These students generally earn liberal arts degrees; either Associate in Arts and/or Associate in Science. The curriculum outlined below is based on most common baccalaureate program requirements. Students may earn an Associate's degree in Liberal Arts at WSC, but must transfer to a baccalaureate campus to complete a Bachelor's degree.

After earning the Associate's Degree in liberal arts, students may transfer credits earned at Williston State College to the four-year institution of their choice. To insure easy and favorable transfer, students intending to transfer to four-year institutions should consult those institutions' catalogs when selecting courses while at Williston State College. Close contact with an advisor while attending Williston State College is highly recommended.

Curriculum plans for transfer to various baccalaureate programs (and beyond) have been outlined in this catalog. A list of these curriculum plans is provided below. Contact a faculty advisor for information about curriculum plans not included in this list.

Students intending to transfer may be required to make application to the specific program at the transfer institution. Because acceptance into many of these programs is on a competitive basis, students should be aware of application procedures and acceptance criteria before beginning pre-program studies.

- Accounting
- Addiction Studies
- Advertising
- Agriculture
- Agricultural Economics
- Agricultural Production Management
- Agricultural Systems Management
- Animal & Range Sciences
- Athletic Training
- Art
- Biology
- Business Administration
- Business Education
- Chemistry
- Chiropractic
- Communication
- Communication Disorders
- Computer Science
- Corporate Fitness
- Criminal Justice
- Crop & Weed Sciences
- Dental Assisting
- Dietetics
- Dental Hygiene
- Dentistry
- Early Childhood Education
- Economics
- Elementary Education
- Engineering
- English
- Environmental Science
- Exercise Science
- Finance
- Food & Nutrition
- Food Science
- General Studies
- Health
- Health Education
- Health Information Technology
- History
- Human Performance & Fitness
- Human Resource Management
- International Business
- Law

- Management Information Systems
- Marketing
- Mathematics
- Medical Technology (Clinical Laboratory Science)
- Medicine
- Middle School Education
- Mortuary Science
- Music
- Natural Resource Management
- Nursing
- Occupational Therapy
- Office Administration
- Optometry
- Outdoor Education
- Pharmacy
- Philosophy
- Physical Education
- Physical Science
- Physical Therapy
- Physics
- Plant Protection
- Political Science
- Psychology
- Public Administration
- Radiologic Technology
- Recreation Management
- Religion
- Secondary Education
- Social Work
- Sociology
- Spanish
- Special Education
- Theater
- Veterinary Medicine/Technology

# WSC [TRANSFER DEGREE REQUIREMENTS]

## TRANSFER DEGREE REQUIREMENTS

### ASSOCIATE IN ARTS DEGREE (AA)

Associate in Arts Degrees are awarded to students who complete courses consisting primarily of diverse, introductory level material in preparation for transfer to baccalaureate programs. The basis of study is in communications, humanities, social science, mathematics, science, computer science, and wellness; with humanities and social science areas being the primary areas of emphasis.

#### PROGRAM OUTCOMES

1. Students will develop and express their ideas in writing, using a variety of genres, utilizing different technologies.
2. Students will prepare, purposeful presentations designed to increase knowledge, foster understanding, or promote change in the listeners' attitudes, values, beliefs, or behaviors.
3. Students will solve quantitative problems from a wide array of authentic contexts and everyday life situations, and communicate solutions in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate).
4. Students will examine the complexity of elements important to members of another culture in relation to its history, values, politics, communication styles, economy, or beliefs and practices.

#### REQUIREMENTS:

#### CREDITS

##### A. Completion of at least 62 semester credits including:

- |  |    |
|--|----|
| 1. English Composition (ENGL 110 and ENGL 120 or ENGL 125)   | 6  |
| 2. Fundamentals of Public Speaking (COMM 110)  | 3  |
| 3. ND: HUM, ND: FA, ND: HIST, (Minimum of 6 credits in each area) & ND: SS (Minimum of 6 credits in each area)   | 18 |
| 4. ND: MATH, ND: LABSC, ND: SCI, ND: COMPSC Minimum of three Math credits completed (Math 103 or higher), one lab science and one computer science course. | 9  |
| 5. Wellness  | 2  |

##### B. 2.00 (C) minimum institutional grade point average

##### C. Minimum of 16 credits completed in residence

##### D. Successful completion of ASC 100 College Strategies (1 credit) or ASC 101 College Transition (1/2 credit)

##### E. Maximum of 12 S/U graded credits (program approval required for 13 or more)

##### F. Maximum of 15 CLEP subject exam credits; 0 CLEP general exam credits

##### G. Maximum of 15 credits for prior learning

### ASSOCIATE IN SCIENCE DEGREE (AS)

Associate in Science Degrees are awarded to students who complete courses consisting primarily of diverse, introductory level material in preparation for transfer to baccalaureate programs. The basis of study is in communications, humanities, social science, mathematics, science, computer science, and wellness; with mathematics, science, and computer science areas being the primary areas of emphasis.

#### PROGRAM OUTCOMES

1. Students will demonstrate and express numerical literacy symbolically, graphically, and in writing.
2. Students will apply observation, hypothesis construction, and experimentation to solve problems.
3. Students will use computer skills in an ever-changing technological environment to complete projects and tasks and express ideas.

#### REQUIREMENTS:

#### CREDITS

##### A. Completion of at least 62 semester credits including:

- |  |    |
|--|----|
| 1. English Composition (ENGL 110 and ENGL 120 or ENGL 125)   | 6  |
| 2. Fundamentals of Public Speaking (COMM 110)  | 3  |
| 3. ND: HUM, ND: FA, ND: HIST, (Minimum of 6 credits in each area) & ND: SS (Minimum of 6 credits in each area)   | 12 |
| 4. ND: MATH, ND: LABSC, ND: SCI, ND: COMPSC Minimum of three Math credits completed (Math 103 or higher), one lab science and one computer science course. | 18 |
| 5. Wellness  | 2  |

##### B. 2.00 (C) minimum institutional grade point average

##### C. Minimum of 16 credits completed in residence

##### D. Successful completion of ASC 100 College Strategies (1 credit) or ASC 101 College Transition (1/2 credit)

##### E. Maximum of 12 S/U graded credits (program approval required for 13 or more)

##### F. Maximum of 15 CLEP subject exam credits; 0 CLEP general exam credits

##### G. Maximum of 15 credits for prior learning

# WSC [TRANSFER PROGRAMS]

## TRANSFER PROGRAMS

### ACCOUNTING

The accounting curriculum provides a sound base in the liberal arts and sciences, a general understanding of business, a solid technical base in accounting, and the ability to communicate.

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
ACCT	205	Cost Accounting	3
ACCT	215	Business in the Legal Environment	3
ACCT	231	Income Tax Procedures	3
BADM	202	Principles of Management	3
BOTE	188	Computerized Accounting	2
COMM	212	Interpersonal Communication	3
COMM	217	Organizational Communication	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
MATH	103	College Algebra	3
MATH	146	Applied Calculus	3
MATH	210	Elementary Statistics	3

### ADDICTION STUDIES

Addiction counselors work in a variety of settings to educate and treat individuals and families experiencing the effects of substance abuse. Counselors in North Dakota must have a nine month internship in addition to a bachelor's degree. This addiction studies curriculum provides general education courses needed for students when they transfer to another institution to complete a degree in various areas such as addiction studies, chemical use/abuse awareness, or addiction counselor training.

ASSOCIATE IN ARTS (AA)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I/L	4
ENGL	120	College Composition II	3
MATH	210	Elementary Statistics	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
PSYC	270	Abnormal Psychology	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3
		History Course	3
		Literature Course	3

### ADVERTISING

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

### AGRICULTURE

The agriculture curriculum is designed to develop skills and abilities and to foster understandings that will enable the student to make a suitable job entry into the fields of agriculture and to help the student make a viable community contribution.

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
AGEC	141	Principles of Agribusiness Management	2
AGEC	240	Holistic Management	3
AGEC	242	Introduction to Agricultural Management	3
AGEC	244	Introduction to Agricultural Marketing	3
AGEC	246	Introduction to Agricultural Finance	2
AGEC	275	Applied Agricultural Law	2
AGRI	275	Introduction to Precision Agriculture	2
ANSC	114	Introduction to Animal Science	2
ANSC	123	Feeds & Feeding	3
ANSC	133	Specialty Animal Production	2
ANSC	220	Livestock Production	3
ECON	201	Principles of Microeconomics	3
ENGL	125	Introduction to Professional Writing	3
H&CE	241	Leadership & Presentation Techniques	3
PLSC	101	Introduction to Biotechnology	2
PLSC	110	World Food Crops	3
PLSC	220	Principles of Forage Production	3
PLSC	223	Introduction to Weed Science	3
PLSC	270	High Value & Specialty Crops	3
RNG	236	Introduction to Range Management	2
SOIL	210	Introduction to Soil Science	4
SOIL	222	Soil Fertility & Fertilizers	3

### AGRICULTURAL ECONOMICS

Agricultural economics applies economic principles to decisions about the use of private and public resources. The global economy creates economic opportunities for the agricultural business industry. Various options provide specialization in management, marketing, finance, and farming and ranching.

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
AGEC	242	Introduction to Agricultural Management	3
AGEC	244	Introduction to Agricultural Marketing	3
ANSC	114	Introduction to Animal Science	2
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
H&CE	241	Leadership & Presentation Techniques	3
MATH	146	Applied Calculus	3
PLSC	110	World Food Crops	3

### AGRICULTURAL PRODUCTION MANAGEMENT

This curriculum plan is for the student who desires flexibility in course selection. It is based on student needs and interests to operate and manage the modern farm or ranch. The student's final degree (after transfer to a baccalaureate campus) may focus on any of these areas:

- Agricultural Economics
- Agricultural Systems Management
- Crop and Weed Sciences
- Animal and Range Sciences

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
ACCT	102	Fundamentals of Accounting	3
AGEC	242	Introduction to Agricultural Management	3
AGEC	244	Introduction to Agricultural Marketing	3
AGEC	246	Introduction to Agricultural Finance	2
AGEC	275	Applied Agricultural Law	2
AGRI	275	Introduction to Precision Agriculture	2
ANSC	114	Introduction to Animal Science	2
ANSC	123	Feeds & Feeding	3
ANSC	220	Livestock Production	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3

# WSC [TRANSFER PROGRAMS]

H&CE	241	Leadership & Presentation Techniques	3
PLSC	101	Introduction to Biotechnology	2
PLSC	110	World Food Crops	3
PLSC	220	Principles of Forage Production	3
PLSC	223	Introduction to Weed Science	3
PLSC	225	Principles of Crop Production	3
PLSC	270	High Value & Specialty Crops	3
RNG	236	Introduction to Range Management	2
SOIL	210	Introduction to Soil Science	4
SOIL	222	Soil Fertility & Fertilizers	3

## AGRICULTURAL SYSTEMS MANAGEMENT

This curriculum prepares graduates to support the mechanical, technological, and business systems for food processing, manufacturing, and agricultural enterprises. The ASM graduate will work as a link between the researcher, designer, engineer, manufacturer, and the consumer.

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
AGEC	242	Introduction to Agricultural Management	3
AGRI	275	Introduction to Precision Agriculture	2
ANSC	114	Introduction to Animal Science	2
ASM	155	Agricultural Welding	2
ENGL	125	Introduction to Professional Writing	3
ENGR	101	Graphical Communication	3
H&CE	241	Leadership & Presentation Techniques	3
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
PLSC	110	World Food Crops	3
SOIL	210	Introduction to Soil Science	4

## ANIMAL & RANGE SCIENCES

Majors will be prepared for production agriculture, agri-business, range science careers in resource management agencies, or advanced science degrees.

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
AGEC	242	Introduction to Agricultural Management	3
AGEC	244	Introduction to Agricultural Marketing	3
AGRI	275	Introduction to Precision Agriculture	2
ANSC	114	Introduction to Animal Science	2
ANSC	123	Feeds & Feeding	2
ANSC	220	Livestock Production	3
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
ENGL	125	Introduction to Professional Writing	3
H&CE	241	Leadership & Presentation Techniques	3
PLSC	101	Introduction to Biotechnology	2
PLSC	110	World Food Crops	3
PLSC	220	Principles of Forage Production	3
RNG	236	Introduction to Range Management	2
SOIL	210	Introduction to Soil Science	4

## ATHLETIC TRAINING

The athletic training curriculum provides career opportunities in high schools, colleges, professional sports programs, and other athletic health care agencies such as corporate health programs, sports medicine, and athletic training facilities. Contact your advisor at Williston State College to determine curriculum for the first two years.

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	151	General Biology II L/L	4

BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
AH	171	Medical Terminology I	3
AH	172	Medical Terminology II	2
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
COMM	110	Fundamentals of Public Speaking	3
CSCI	101	Introduction to Computers	3
ENGL	110	College Composition I	3
ENGL	120	College Composition II	3
HPER	100	Concepts of Fitness & Wellness	2
HPER	126	Lifetime Fitness	2
HPER	210	CPR & First Aid	1
MATH	210	Elementary Statistics	3
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3

## ART

Students taking art courses or pursuing an art degree have an opportunity to increase their creative, expressive, and technical skills at WSC. Courses range from understanding the meaning of visual art forms to the study and application of different media, methods, and techniques.

ASSOCIATE IN ARTS (AA)

SUGGESTED COURSES:			CREDITS
ART	110	Introduction to Visual Arts	3
ART	120	Painting I	3
ART	122	Two-Dimensional Design	3
ART	124	Three-Dimensional Design	3
ART	210	Art History I	3
ART	211	Art History II	3
ART	230	Drawing II	3
SOC	235	Cultural Diversity	3
PSYC	111	Introduction to Psychology	3
HUMS	251	Humanities Survey: Mythical Realities & the Classical World	3
HUMS	252	Humanities Survey: Medieval Solutions & Renaissance Achievements	3
HUMS	253	Humanities Survey: Modern Revolutions & Contemporary Problems	3

## BIOLOGY

Biology is the study of life, of plants and animals, and their relationships in and to their environments. The transfer program in biology at Williston State College provides the fundamentals for students pursuing a career in any of the biological sciences.

ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
MATH	146	Applied Calculus	3
<b>OR</b>			
MATH	165	Calculus I	4
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
<b>OR</b>			
PHYS	252	University Physics II L/L	5

Foreign Language-Level II proficiency

# WSC [TRANSFER PROGRAMS]

## BUSINESS ADMINISTRATION

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

No break down by marketing, human resources, etc. Specialization will occur when the student transfers.

Students in business-related programs are encouraged to take courses in written and oral communication, business knowledge, mathematics, ethics and philosophy, computer science application, economics and accounting principles, and cultural and societal sensitivity and acknowledgement. Therefore, it is recommended that the students take the following courses:

SUGGESTED COURSES:			CREDITS
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
BADM	201	Principles of Marketing	3
BADM	202	Principles of Management	3
COMM	110	Fundamentals of Public Speaking	3
COMM	212	Interpersonal Communication	3
COMM	216	Intercultural Communication	3
COMM	217	Organizational Communication	3
COOP	197	Cooperative Education/Internship	1/2-6
CSCI	101	Introduction to Computers	2
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	110	Composition I	3
ENGL	120	Composition II	3
ENGL	125	Introduction to Professional Writing	3
MATH	103	College Algebra	3
MATH	146	Applied Calculus	3
MATH	210	Elementary Statistics	3
PHIL	210	Ethics	3
POLS	115	American Government	3

## BUSINESS EDUCATION

Students pursuing a degree in business education generally become business education teachers in high schools, work in the private sector, work for large corporations, or serve as supervisors or trainers.

ASSOCIATE IN ARTS (AA)  
OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
ACCT	215	Business in the Legal Environment	3
BOTE	218	Desktop Publishing	2
BOTE	275	Administrative Office Procedures	3
COMM	216	Intercultural Communication	3
COMM	217	Organizational Communication	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
EDUC	250	Introduction to Teaching	2
EDUC	298	Pre-Professional Experience	1
ENGL	125	Introduction to Professional Writing	3
HPER	100	Concepts of Fitness & Wellness	2
SOC	235	Cultural Diversity	3

## CHEMISTRY

The chemistry curriculum provides students with the knowledge and skills to continue their studies in areas that range from chemistry, medicine, and allied health to agriculture. Chemists may work in many areas that involve research and teaching.

ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
CHEM	260	Elements of Biochemistry L/L	4

ECON	201	Principles of Microeconomics	3
MATH	103	College Algebra	3
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MATH	265	Calculus III	4
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5

Foreign Language-Level II proficiency

## CHIROPRACTIC

The chiropractic curriculum prepares students to apply for admission to a School of Chiropractic Medicine.

ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
CHEM	260	Elements of Biochemistry L/L	4
MATH	103	College Algebra	3
MATH	105	Trigonometry	2
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
<b>OR</b>			
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
PSYC	111	Introduction to Psychology	3

**Note:** Students should note transfer application deadline and admission requirements.

## COMMUNICATION

The communication curriculum provides students a sound base in liberal arts and a theoretical basis of knowledge about human communication in preparation for transfer to a baccalaureate program.

ASSOCIATE IN ARTS (AA)

SUGGESTED COURSES:			CREDITS
COMM	200	Introduction to Media Writing	3
COMM	210	Advanced Public Speaking	3
COMM	211	Oral Interpretation	3
COMM	212	Interpersonal Communication	3
COMM	214	Persuasive Speaking	3
COMM	216	Intercultural Communication	3
COMM	217	Organizational Communication	3
COMM	221	Introduction to Argumentation and Debate	3
ENGL	125	Introduction to Professional Writing	3
ENGL	211	Introduction to Creative Writing	3
MATH	210	Elementary Statistics	3
PSYC	111	Introduction to Psychology	3
<b>OR</b>			
SOC	110	Introduction to Sociology	3
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4

## COMMUNICATION DISORDERS

A communication disorders curriculum provides a foundation in normal development, speech and hearing science, and communication processes. It is a pre-professional program for students wishing to pursue a graduate

# WSC [TRANSFER PROGRAMS]

degree in speech-language pathology or audiology. It is recommended that students transfer to a four year program after one year at Williston State College.

## ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	111	Concepts of Biology L/L	4
MATH	210	Elementary Statistics	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
PSYC	270	Abnormal Psychology	3
SOC	110	Introduction to Sociology	3
SOC	235	Cultural Diversity	3
		History Electives	
		Humanities Electives	

<b>OPTIONAL COURSES:</b>			<b>CREDITS</b>
ENGL	238	Children's Literature	3

## COMPUTER SCIENCE

If you enjoy working with computers and doing your work in a logical fashion, you will enjoy a career in computer science and/or computer engineering. A strong technical background is required for the Bachelor of Science Degree. Many individuals complete course work in graduate level classes to improve their technical background and job opportunities.

## ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CSCI	160	Computer Science I	4
CSCI	161	Computer Science II	4
CSCI	289	Social Implications of Computer Tech	2
MATH	165	Calculus I	4
MATH	166	Calculus II	4
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
CSCI		Programming Courses	

## CORPORATE FITNESS

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

## CRIMINAL JUSTICE

Students who complete the suggested criminal justice curriculum will be prepared for transfer into a bachelor's degree program. Since each college has slightly different requirements to complete the degree, it is important that students consult a Williston State College advisor and review the curriculum of the transfer college.

## ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
ACCT	215	Business in the Legal Environment	3
CJ	201	Introduction to Criminal Justice	3
COMM	212	Organizational Communication	3
COMM	216	Intercultural Communication	3

COMM	221	Introduction to Argumentation & Debate	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
HIST	103	United States To 1877	3
HIST	104	United States Since 1877	3
HIST	220	North Dakota History	3
POLS	115	American Government	3
POLS	116	State & Local Government	3
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3

## CROP & WEED SCIENCES

This curriculum prepares students for employment in sales, research, and crop consulting for seed and chemical businesses in natural resource conservation areas and production agriculture.

## ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
ANSC	114	Introduction to Animal Science	2
AGEC	242	Introduction to Agricultural Management	3
AGEC	244	Introduction to Agricultural Marketing	3
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
ENGL	125	Introduction to Professional Writing	3
H&CE	241	Leadership & Presentation Techniques	3
PLSC	101	Introduction to Biotechnology	2
PLSC	110	World Food Crops	3
PLSC	220	Principles of Forage Production	3
PLSC	223	Introduction to Weed Science	3
PLSC	225	Principles of Crop Production	3
SOIL	210	Introduction to Soil Science	4

## DENTISTRY

The pre-dentistry curriculum provides the foundation course work students need to continue their studies toward admission into dental school.

## ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
CHEM	260	Elements of Biochemistry L/L	4
MATH	103	College Algebra	3
MATH	105	Trigonometry	2
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
		<b>OR</b>	
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
PSYC	111	Introduction to Psychology	3

**Note:** Students should note transfer application deadline and admission requirements.

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## DIETETICS

This curriculum prepares students to apply for admission to coordinated programs in dietetics. Dietitians work in hospitals, nursing homes, outpatient clinics, businesses, and community agencies.

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
AH	171	Medical Terminology I	3
BADM	201	Principles of Marketing	3
<b>OR</b>			
BADM	202	Principles of Management	3
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	240	Survey of Organic Chemistry L/L	5
CHEM	260	Elements of Biochemistry L/L	4
ECON	105	Elements of Economics	3
HPER	126	Lifetime Fitness	2
HPER	217	Personal and Community Health	3
MATH	103	College Algebra	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
MATH	210	Elementary Statistics	3
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3

## DENTAL ASSISTING

The duties of the dental assistant are comprehensive and varied in the dental office. The dental assistant performs a wide range of tasks requiring both interpersonal and technical skills.

(\*Students are advised to complete a maximum of one semester at WSC before transferring.)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	115	Human Structure & Function	3
BIOL	115L	Human Structure & Function Lab	1
HPER	210	First Aid & CPR	1
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PSYC	111	Introduction to Psychology	3

\*Williston State College offers one semester of general education/related courses for transfer to a Dental Assisting Program.

## DENTAL HYGIENE

Dental hygienists work together with the dentist to meet the oral health needs of each patient. Dental hygienists are usually employed in general dental practices or in specialty practices. Williston State College offers one year of courses generally required for acceptance into a hygiene program.

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
CHEM	116	Introduction to Organic & Biochemistry L/L	4
COMM	110	Fundamentals of Public Speaking	3
CSCI	101	Introduction to Computers	3
ENGL	110	College Composition I	3
ENGL	120	College Composition II	3
MATH	103	College Algebra	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3

Note: One year of college courses are generally required before students are accepted into a hygiene program.

## EARLY CHILDHOOD EDUCATION

The Early Childhood Education curriculum prepares students to teach in preschools. It encourages students to see learning as an ongoing process that challenges them to effect change for the welfare of children and youth.

The curriculum outlined below is based on most common baccalaureate program requirements. Students may earn an Associate's degree in Liberal Arts at WSC, but must transfer to a baccalaureate campus to complete a Bachelor's degree in Early Childhood Education.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIO	111	Concepts of Biology I	4
CHEM	115	Introductory Chemistry L/L	4
EDUC	250	Introduction to Teaching	2
EDUC	298	Pre-Professional Experience	1
ENGL	238	Children's Literature	3
GEOL	105	Physical Geology L/L	4
HIST	103	United States to 1877	3
HPER	100	Concept of Fitness & Wellness	2
HPER	210	First Aid & CPR	1
MATH	277	Math for Elementary Teachers I L/L	4
MUSC	101	Fundamentals of Music	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3

## ECONOMICS

The Economics curriculum provides a foundation for upper-division business and economics courses. Graduates can generally pursue baccalaureate programs in either business or liberal arts.

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
ACCT	200	Elements of Accounting	3
ACCT	201	Elements of Accounting II	3
ACCT	215	Businesses in the Legal Environment	3
BADM	201	Principles of Marketing	3
BADM	202	Principles of Management	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
MATH	103	College Algebra	3
MATH	146	Applied Calculus	3
<b>OR</b>			
MATH	165	Calculus I	4
MATH	210	Elementary Statistics	3
POLS	115	American Government	3
POLS	116	State & Local Government	3

## ELEMENTARY EDUCATION

The elementary education curriculum prepares students to teach in elementary schools. It encourages students to see learning as an ongoing process that challenges them to effect change for the welfare of children and youth. Additional areas are kindergarten and middle school endorsement, as well as special education.

### ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	111	Concepts of Biology L/L	4
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
GEOL	105	Physical Geology L/L	4
<b>OR</b>			
PHYS	110	Introductory to Astronomy L/L	4
CSCI	101	Introduction to Computers	3
ENGL	238	Children's Literature	3
EDUC	250	Introduction to Education	2
EDUC	298	Pre-Professional Experience	1



# WSC [TRANSFER PROGRAMS]

GEOG	161	World Regional Geography	3
HIST	103	United States to 1877	3
		<b>OR</b>	
HIST	104	United States since 1877	3
HIST	220	North Dakota History	3
HPER	100	Concepts of Fitness & Wellness	2
HPER	210	First Aid & CPR	1
MATH	103	College Algebra	3
MATH	277	Math for Elementary Teachers I L/L	4
MUSC	101	Fundamentals of Music	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	235	Cultural Diversity	3

<b>OPTIONAL COURSES:</b>		<b>CREDITS</b>	
COMM	211	Oral Interpretation	3
COMM	212	Interpersonal Communication	3
COMM	216	Intercultural Communication	3
CSCI	289	Social Implications	3
ENGL	265	Native American Literature	3
HIST	223	History of Lewis & Clark Expedition	3

## ENGINEERING

A career in engineering is a rewarding and challenging career for students who have creativity, design, and construction skills.

### ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGR	101	Graphical Communication	3
ENGR	201	Statics	3
ENGR	202	Dynamics	3
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MATH	265	Calculus III	4
MATH	266	Introduction to Differential Equations	3
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5

**Note:** Students should note transfer application deadline and admission requirements.

## ENGLISH

This curriculum provides a foundation for careers in writing, teaching, publishing, business, library science, and professional studies.

### ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
ART	110	Introduction to the Visual Arts	3
ENGL	125	Introduction to Professional Writing	3
ENGL	211	Introduction to Creative Writing	3
ENGL	220	Introduction to Literature	3
ENGL	222	Introduction to Poetry	3
ENGL	225	Introduction to Film	3
ENGL	238	Children's Literature	3
ENGL	261	American Literature I	3
ENGL	262	American Literature II	3
ENGL	265	Native American Literature	3
ENGL	299	Special Topics	1-3
HIST	101	Western Civilization I	3
HIST	102	Western Civilization II	3
HUMS	251	Humanities Survey: Mythical Realities & the Classical World	3
HUMS	252	Humanities Survey: Medieval Solutions & Renaissance Achievements	3
HUMS	253	Humanities Survey: Modern Revolutions & Contemporary Problems	3
PHIL	101	Introduction to Philosophy	3
PSYC	111	Introduction to Psychology	3

SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4

## ENVIRONMENTAL SCIENCE

Students entering the field of environmental science may work for engineering firms, industry, and contractors to study human or industrial impact on the environment.

### ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
AGEC	240	Holistic Management	3
AGRI	275	Introduction to Precision Agriculture	2
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I	4
ENGL	125	Introduction to Professional Writing	3
GEOL	105	Physical Geology	4
MATH	103	College Algebra	3
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MATH	210	Elementary Statistics	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
PLSC	101	Introduction to Biotechnology	2

## EXERCISE SCIENCE

The exercise science curriculum is designed to prepare students for positions in fitness and health promotion programs in clinic, corporate, athletic, or community settings. The program includes the study of physical activity, anatomy/physiology, exercise theory, kinesiology and behavioral and health sciences. These suggested courses help prepare students for transferring into an exercise physiology program. Students are encouraged to research colleges, where they may consider continuing their education, to identify specific prerequisites they may have.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
AH	260	Kinesiology I	3
AH	260L	Kinesiology I Lab	1
AH	261	Kinesiology II	3
AH	261L	Kinesiology II Lab	1
BIOL	220	Anatomy and Physiology I L/L	4
BIOL	221	Anatomy and Physiology II L/L	4
CHEM	115	Introductory Chemistry L/L	4
		<b>OR</b>	
CHEM	121	General Chemistry I L/L	5
COMM	110	Fundamentals of Public Speaking	3
CSCI	101	Introduction to Computers	3
ENGL	110	College Composition I	3
ENGL	120	College Composition II	3
HPER	100	Concepts of Fitness & Wellness	2
HPER	126	Lifetime Fitness	1
HPER	210	CPR & First Aid	1
HPER	218	Personal Trainer Preparation	3
MATH	103	College Algebra	3
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3

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## FINANCE

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

## FOOD & NUTRITION

This curriculum prepares students for careers in the food industry. Students with majors in food and nutrition are employed in areas such as hospitals, nursing homes, hotels, motels, restaurants, catering firms, schools, and industry.

### ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
AH	171	Medical Terminology I	3
ANTH	171	Introduction to Cultural Anthropology	3
BADM	201	Principles of Marketing	3
<b>OR</b>			
BADM	202	Principles of Management	3
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	240	Survey of Organic Chemistry L/L	5
CHEM	260	Elements of Biochemistry L/L	4
COMM	212	Interpersonal Communication	3
ECON	105	Elements of Economics	3
HPER	126	Lifetime Fitness	2
HPER	217	Personal and Community Health	3
MATH	103	College Algebra	3
MATH	210	Elementary Statistics	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3

## FOOD SCIENCE

This curriculum is designed for careers in the food industry: food safety, processing, preservation, sanitation, storage, and marketing of foods.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
ECON	101	Principles of Microeconomics	3
ECON	102	Principles of Macroeconomics	3
MATH	146	Applied Calculus	3
<b>OR</b>			
MATH	165	Calculus I	4
MATH	210	Elementary Statistics	3
MICRO	202	Microbiology	3
MICRO	202	Microbiology Lab	1
NUTR	240	Principles of Nutrition	3

## GENERAL STUDIES

The general studies curriculum offers students the opportunity to customize their curriculum to meet their unique interests, needs, and goals. Contact your advisor at Williston State College to determine your curriculum for the first two years.

### ASSOCIATE IN ARTS (AA)

### OR ASSOCIATE IN SCIENCE (AS)

#### SUGGESTED COURSES:

Pre-Professional exploratory courses as selected by student and advisor.

## HEALTH

The general health curriculum provides a foundation for students to select careers in health-related fields.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
CHEM	116	Introduction to Organic & Biochemistry L/L	4
<b>OR</b>			
CHEM	122	General Chemistry II L/L	5
MATH	103	College Algebra	3
NUTR	240	Principles of Nutrition	3
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
		Biology Electives: 200 level	8-11

## HEALTH EDUCATION

The health education curriculum prepares students for teaching or leadership roles in schools, sports, business, community fitness programs, and related fields. Students are encouraged to select a second major or minors to qualify for emerging occupational opportunities. Contact your advisor at Williston State College to determine curriculum for the first two years.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

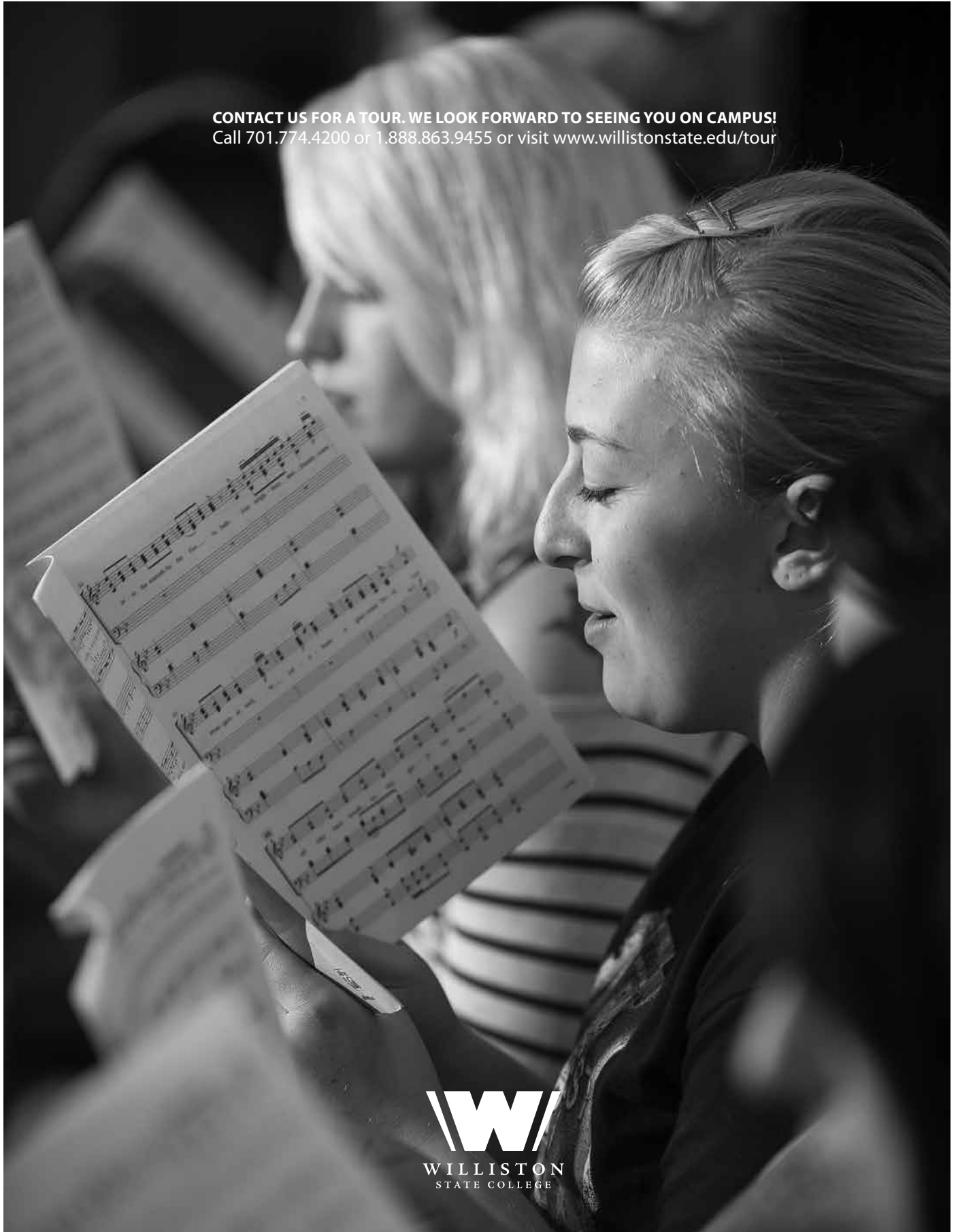
<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	151	General Biology II L/L	4
BIOL	115	Human Structure & Function	3
BIOL	115L	Human Structure & Function Lab	1
<b>OR</b>			
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
CSCI	101	Introduction to Computers	3
EDUC	250	Introduction to Teaching	2
EDUC	298	Pre-Professional Experience	1
HPER	100	Concepts of Fitness & Wellness	2
HPER	101	Activity: Introductory Level	1/2 -2
HPER	101	Weight Training	1
HPER	126	Lifetime Fitness	2
HPER	210	First Aid & CPR	1
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3
SOC	235	Cultural Diversity	3

## HEALTH INFORMATION TECHNOLOGY

This curriculum provides a foundation for information technology careers in health related fields.

### ASSOCIATE IN ARTS (AA)

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# WSC [TRANSFER PROGRAMS]

## OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
AH	171	Medical Terminology I	3
AH	172	Medical Terminology II	2
AH	220	Fundamentals of Medical Transcription	3
AH	281	Medical Insurance/Billing	1
AH	231	Healthcare Law & Ethics	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	2
BOTE	152	Keyboarding II	1
HPER	210	First Aid & CPR	2
PHRM	137	Pharmacology for Business	1

## HISTORY

This curriculum provides a foundation for students planning to teach history, government service, or professional studies.

## ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
HIST	101	Western Civilization I	3
HIST	102	Western Civilization II	3
HIST	103	United States to 1877	3
HIST	104	United States Since 1877	3
HIST	220	North Dakota History	3
HIST	223	History of the Lewis & Clark Expedition	3
POLS	115	American Government	3
POLS	116	State & Local Government	3
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4

## HUMAN PERFORMANCE & FITNESS

The human performance & fitness curriculum is designed to prepare students for positions in fitness, wellness, and health promotion programs in corporate, business, resort, or community settings. The program includes the study of physical activity, program implementations, and behavioral and health sciences. Students are encouraged to select an additional area of study such as business, nutrition, psychology or gerontology. Contact your advisor at Williston State College to determine curriculum for the first two years.

## ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
COMM	110	Fundamentals of Public Speaking	3
CSCI	101	Introduction to Computers	3
ENGL	110	College Composition I	3
ENGL	120	College Composition II	3
HPER	100	Concepts of Fitness & Wellness	2
HPER	126	Lifetime Fitness	2
HPER	210	CPR & First Aid	1
CSCI	122	Visual Basic	3
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3

## HUMAN RESOURCE MANAGEMENT

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

## INTERNATIONAL BUSINESS

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

## LAW

This curriculum provides a foundation for students in a variety of majors. Entrance into an accredited law school requires a bachelor's degree. No specific major is required for admission to an American School of Law.

## ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
ACCT	200	Elements of Accounting I	3
ACCT	201	Elements of Accounting II	3
BIOL	115	Human Structure & Function	3
COMM	212	Interpersonal Communication	3
COMM	221	Introduction to Argumentation & Debate	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
HIST	101	Western Civilization I	3
HIST	102	Western Civilization II	3
HIST	103	United States to 1877	3
HIST	220	North Dakota History	3
HIST	223	History of the Lewis & Clark Expedition	3
POLS	115	American Government	3
POLS	116	State & Local Government	3
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
THEA	161	Acting I	3
THEA	261	Acting II	3

## MANAGEMENT INFORMATION SYSTEMS

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

## MARKETING

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

# WSC [TRANSFER PROGRAMS]

## MATHEMATICS

Careers in mathematical fields allow students to utilize their logical scientific thinking skills. Common careers are actuarial science, business, economics, education, engineering, statistics, industry, and government.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
CSCI	160	Computer Science I	4
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MATH	265	Calculus III	4
MATH	266	Introduction to Differential Equations	3
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
Biology Courses			
Chemistry Courses			
Computer Science Courses			
Engineering Courses			
Foreign Language Courses			
Physics Courses			

## MEDICAL TECHNOLOGY (CLINICAL LABORATORY SCIENCE)

The medical technology curriculum is designed to prepare students to work in a laboratory setting in health care facilities. Medical technologists may work in such areas as hematology, immunology, bacteriology, or microbiology.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	240	Survey of Organic Chemistry L/L	5
CHEM	260	Elements of Biochemistry L/L	4
ECON	201	Principles of Microeconomics	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1

## MEDICINE

A rigorous curriculum of study and training is designed to prepare students to enter the medical profession. Physicians may work in such diverse areas as direct patient care, research, and teaching with settings that range from hospitals and clinics to private offices.

### ASSOCIATE IN ARTS (AA)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
CHEM	260	Elements of Biochemistry L/L	4
MATH	103	College Algebra	3
MATH	105	Trigonometry	2
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PHYS	211	College Physics I L/L	4

PHYS	212	College Physics II L/L	4
<b>OR</b>			
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
PSYC	111	Introduction to Psychology	3

**Note:** Students should note transfer application deadline and admission requirements.

## MIDDLE SCHOOL EDUCATION

See Secondary Education

## MORTUARY SCIENCE

This curriculum plan is designed to meet the two-year requirement in pre-mortuary science. Ordinarily, this program would be followed by one year in a school of mortuary science and one year of apprenticeship. The apprenticeship would come before or after the year in mortuary science depending on state requirements. (As approved by the North Dakota Board of Embalmers.)

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
ACCT	102	Fundamentals of Accounting	3
<b>OR</b>			
ACCT	200	Elements of Accounting I	3
ACCT	215	Business in the Legal Environment	3
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
CHEM	116	Introduction to Organic & Biochemistry L/L	4
COMM	110	Fundamentals of Public Speaking	3
CSCI	101	Introduction to Computers	3
MATH	103	College Algebra	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3

**Note:** Students should note transfer application deadline and admission requirements.

## MUSIC

This curriculum provides a foundation for students interested in careers in teaching or performance.

### ASSOCIATE IN ARTS (AA)

SUGGESTED COURSES:			CREDITS
EDUC	250	Introduction to Teaching	2
EDUC	298	Pre-Professional Experience	1
MUSC	100	Music Appreciation	3
MUSC	101	Fundamentals of Music	3
MUSC	111	Applied Music (Private Lessons)	1
MUSC	117	Concert Choir	1-4
MUSC	160	Concert Band	1
MUSC	299	Special Topics in Music	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3

## NATURAL RESOURCE MANAGEMENT

This curriculum combines a broad background in natural resources with the biological, engineering, social, and economic aspects of managing natural resources.

### ASSOCIATE IN ARTS (AA)

# WSC [TRANSFER PROGRAMS]

## OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
AGEC	242	Introduction to Agricultural Management	3
AGRI	275	Introduction to Precision Agriculture	2
ANSC	114	Introduction to Animal Science	2
ECON	201	Principles of Microeconomics	3
ENGL	125	Introduction to Professional Writing	3
H&CE	241	Leadership & Presentation Techniques	3
PLSC	101	Introduction to Biotechnology	2
PLSC	110	World Food Crops	3
PLSC	220	Principles of Forage Production	3
PLSC	225	Principles of Crop Production	3
RNG	236	Introduction to Range Management	2
SOIL	210	Introduction to Soil Science	4

The Admissions Committee will review the application and qualifications of each individual.

## NURSING

The following course work prepares students to apply for most baccalaureate nursing programs. Students should be aware of the nursing program requirements of each school to which they will be applying. Nursing provides career opportunities in hospitals, nursing homes, schools, administration, teaching, and many other areas. There is currently a large demand for nurses.

## ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
MATH	103	College Algebra	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
NUTR	240	Principles of Nutrition	3
PHRM	215	Introduction to Pharmacology	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
PSYC	270	Abnormal Psychology	3
SOC	110	Introduction to Sociology	3
SUGGESTED COURSES:			CREDITS
ASC	075	College Study Skills	1
HPER	210	First Aid & CPR	1
PHIL	215	Contemporary Moral Issues	3
		Computer Technology courses	1-4
		Wellness courses	1-2

Note: Students should note transfer application deadline and admission requirements.

## OCCUPATIONAL THERAPY

This curriculum provides a foundation for students planning to apply to occupational therapy programs. Occupational therapists are employed in hospitals, nursing homes, schools, rehab centers, and other health care facilities.

## ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	151	General Biology II L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
BOTE	171	Medical Terminology I	3
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
MATH	103	College Algebra	3
MATH	210	Elementary Statistics	3
PHIL	215	Contemporary Moral Issues	3

PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
PSYC	270	Abnormal Psychology	3
SOC	110	Introduction to Sociology	3

Note: Students should note transfer application deadline and admission requirements.

## OFFICE ADMINISTRATION

For business related disciplines, specialization (i.e. finance, marketing, human resource management) generally does not occur until the junior and senior levels (at the 300 and 400 level courses). Therefore, refer to the Business Administration section for a suggested sequence of courses for the first two years (four semesters) of undergraduate business-related study. Dependent on the student's intended specialized area of business to be studied and other pertinent needs, the curriculum will be modified through advising for successful completion of an associate's degree and transfer into a baccalaureate program.

## OPTOMETRY

This curriculum meets the requirements for students applying for admission to schools of optometry. Optometrists frequently work in clinics or private practice.

## ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
CHEM	260	Elements of Biochemistry L/L	4
MATH	103	College Algebra	3
MATH	105	Trigonometry	2
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
<b>OR</b>			
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
PSYC	111	Introduction to Psychology	3

Note: Students should note transfer application deadline and admission requirements.

## OUTDOOR EDUCATION

The outdoor education program acquaints students with various aspects of the outdoor education industry. The curriculum focuses on outdoor education, biological sciences, and physical sciences, and prepares students for careers in outdoor recreation, leisure industries, and outdoor adventure activities. Contact your advisor at Williston State College to determine curriculum for the first two years.

## ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
ACCT	102	Fundamentals of Accounting	3
AGEC	240	Holistic Management	3
BADM	201	Principles of Marketing	3
BADM	202	Principles of Management	3
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
COMM	110	Fundamentals of Public Speaking	3

# WSC [TRANSFER PROGRAMS]

COOP	197	Cooperative Education/Internship	0.5 -6
CSCI	101	Introduction to Computers	3
GEOL	105	Physical Geology L/L	4
HPER	100	Concepts of Fitness & Wellness	2
HPER	101	Activity: Introductory Level	2-5
HPER	126	Lifetime Fitness	2
HPER	208	Introduction to Physical Education	3
HPER	210	First Aid & CPR	1
HPER	217	Personal and Community Health	3
MATH	103	College Algebra	3
PSYC	111	Introduction to Psychology	3
POLS	115	American Government	3
		<b>OR</b>	
SOC	110	Introduction to Sociology	3

## PHARMACY

This curriculum includes both basic and clinical sciences. It provides students with the knowledge, skills, and attitudes essential to the practice of pharmacy. The curriculum has a strong science emphasis.

### ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
BIOL	221	Anatomy & Physiology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
CHEM	260	Elements of Biochemistry L/L	4
ECON	201	Microeconomics	3
MATH	103	College Algebra	3
MATH	105	Trigonometry	2
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
		<b>OR</b>	
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
PSYC	111	Introduction to Psychology	3

Note: Students should note transfer application deadline and admission requirements.

## PHILOSOPHY

This curriculum provides a foundation for students interested in careers of religion or philosophy.

### ASSOCIATE IN ARTS (AA)

SUGGESTED COURSES:			CREDITS
ART	110	Introduction to the Visual Arts	3
BADM	269	Business Ethics	3
ENGL	220	Introduction to Literature	3
ENGL	222	Introduction to Poetry	3
HIST	101	Western Civilization I	3
HIST	102	Western Civilization II	3
HUMS	251	Humanities Survey: Mythical Realities & the Classical World	3
HUMS	252	Humanities Survey: Medieval Solutions & Renaissance Achievements	3
HUMS	253	Humanities Survey: Modern Revolutions & Contemporary Problems	3
PHIL	101	Introduction to Philosophy	3
PHIL	210	Ethics	3
PHIL	215	Contemporary Moral Issues	3
POLS	115	American Government	3
PSYC	111	Introduction to Psychology	3

RELS	116	Women in Religion	3
RELS	120	Religion in America	3
RELS	203	World Religions	3
RELS	220	Old Testament	3
RELS	230	New Testament	3

## PHYSICAL EDUCATION

The physical education curriculum prepares students for teaching or leadership roles in schools, sports, business, community fitness programs, and related fields. Students are encouraged to select a second major or minors to qualify for emerging occupational opportunities. Contact your advisor at Williston State College to determine curriculum for the first two years.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	151	General Biology II L/L	4
BIOL	115	Human Structure & Function	3
BIOL	115L	Human Structure & Function Lab	1
CHEM	115	Introductory Chemistry L/L	4
		<b>OR</b>	
CHEM	121	General Chemistry I L/L	5
CSCI	101	Introduction to Computers	3
EDUC	250	Introduction to Teaching	2
EDUC	298	Pre-Professional Experience	1
HPER	100	Concepts of Fitness & Wellness	2
HPER	101	Activity: Introductory Level	½-1
HPER	102	Activity: Intermediate Level	½-1
HPER	103	Activity: Advanced Level	½-1
HPER	126	Lifetime Fitness	2
HPER	210	First Aid & CPR	1
MATH	103	College Algebra	3
NUTR	240	Principles of Nutrition	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3

## PHYSICAL SCIENCE

The primary goals of the physical science curriculum are:

To encourage development of a liberal arts education; To help students select a major and plan a program of study that leads to a baccalaureate degree; To develop a solid foundation of fundamental knowledge both in the sciences and mathematics; and To assist the student in choosing and successfully transferring to a university for completion of a baccalaureate curriculum.

The physical science curriculum is not generally a college major in itself, but is a springboard into a variety of college majors. Therefore, the academic advisor will assist the student in selecting a major during the freshman or sophomore year. The course of study will depend upon which university the student plans to attend. Possible university majors for the physical science student to consider include astronomy, chemistry, consumer food science, geology, meteorology, and physics.

The major distinction between the physical science and the natural science curriculums is the mathematical rigor. A physical science program requires three semesters of analytical geometry and calculus. The natural science curriculum requires one semester of statistics and two semesters of introductory calculus. The physical science curriculum requires university physics while the natural science curriculum requires concepts of physics. A natural science program is well suited for majors in zoology, entomology, microbiology, botany, and ecology. The physical science curriculum is designed to accommodate majors in chemistry, physics, and geology.

### ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
BIOL	150	General Biology I L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CSCI	122	Visual Basic	3

# WSC [TRANSFER PROGRAMS]

GEOL	105	Physical Geology L/L	4
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MATH	265	Calculus III	4
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5

PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4

## PHYSICAL THERAPY

This curriculum provides a foundation for students planning to apply to physical therapy programs. Physical therapists are employed in hospitals, nursing homes, schools, rehab centers, and other health care facilities. Students should note that most physical therapy programs require a minimum of three years of preparatory education prior to admissions. At least a year of that education should be courses at the 300 and 400 level. Students should investigate programs in which they are interested, to learn of unique requirements for admission, early on in their education.

## ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
AH	130	Pathology for Allied Health	3
AH	260	Kinesiology I	3
AH	260L	Kinesiology I Lab	1
AH	261	Kinesiology II	3
AH	261L	Kinesiology II Lab	1
BIOL	151	General Biology II L/L	4
BIOL	220	Anatomy & Physiology I L/L	4
AH	171	Medical Terminology I	3
CHEM	115	Introductory Chemistry L/L	4
<b>OR</b>			
CHEM	121	General Chemistry I L/L	5
MATH	103	College Algebra	3
MATH	210	Elementary Statistics	3
PHIL	215	Contemporary Moral Issues	3
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
PSYC	270	Abnormal Psychology	3
SOC	110	Introduction to Sociology	3

Note: Students should note transfer application deadline and admission requirements.

## PHYSICS

The physics curriculum is designed with considerable flexibility in order to accommodate the variety of interests, plans, and needs of the major. At the same time, it provides a broad and thorough understanding of the fundamental ideas and concepts related to the physical world surrounding us. Using this broad base, which stresses fundamentals, the undergraduate may enter graduate work in one of the pure or applied sciences or one of the non-sciences such as education, business administration, law, journalism, or philosophy. She or he may also choose to pursue a career in education, industry, government, or business.

## ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
(Depending on math background, MATH 103, and/or 105 may be required)			
BIOL	124	Environmental Science L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CSCI	122	Visual Basic	3
CSCI	160	Computer Science I	4
CSCI	161	Computer Science II	4
ENGR	101	Graphical Communication	3
ENGR	201	Statics	3
ENGR	202	Dynamics	3
GEOL	105	Physical Geology L/L	4
MATH	165	Calculus I	4
MATH	166	Calculus II	4
MATH	265	Calculus III	4
MATH	266	Introduction to Differential Equations	3

## PLANT PROTECTION

The specialties of agronomy and horticulture are similar, yet specific. The student is prepared as a professional to work with pest management. Much of the work can be done as a consultant or advisor.

## ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

SUGGESTED COURSES:			CREDITS
AGEC	242	Intro to Agricultural Management	3
AGRI	275	Introduction to Precision Agriculture	2
BADM	201	Principles of Marketing	3
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
H&CE	241	Leadership & Presentation Techniques	3
PLSC	101	Introduction to Biotechnology	2
PLSC	110	World Food Crops	3
PLSC	220	Principles of Forage Production	3
PLSC	223	Introduction to Weed Science	3
PLSC	225	Principles of Crop Production	3
PLSC	270	High Value & Specialty Crops	3
SOIL	210	Introduction to Soil Science	4

## POLITICAL SCIENCE

The political science program is designed to provide students with a broad background in liberal arts. The program prepares students for employment in the public, non-profit and private sector, graduate studies, law school, and teaching.

## ASSOCIATE IN ARTS (AA)

SUGGESTED COURSES:			CREDITS
COMM	212	Interpersonal Communication	3
COMM	216	Organizational Communication	3
COMM	221	Introduction to Argumentation & Debate	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ENGL	125	Introduction to Professional Writing	3
HIST	101	Western Civilization I	3
HIST	102	Western Civilization II	3
HIST	103	United States to 1877	3
HIST	104	United States Since 1877	3
HIST	220	North Dakota History	3
HIST	223	History of the Lewis & Clark Expedition	3
POLS	115	American Government	3
POLS	116	State & Local Government	3
PSYC	111	Introduction to Psychology	3
SOC	110	Introduction to Sociology	3
SOC	235	Cultural Diversity	3
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4

## PSYCHOLOGY

Psychology is the study of behavior and mental processes. Most psychologists have master's or doctorate degrees. Some of the various areas in psychology include clinical, developmental, experimental, physiological, and social. Individuals with a bachelor's degree may find jobs assisting psychologists, mental health, and human services professionals. They may also work in vocational rehabilitation offices and correctional programs or as research assistants. Other positions may be in areas that require extensive scientific knowledge and understanding of human behavior patterns in a variety of social settings.

## ASSOCIATE IN ARTS (AA)



# WSC [TRANSFER PROGRAMS]

## SUGGESTED COURSES:

			CREDITS
BIOL 111	Concepts of Biology L/L		4
BIOL 150	General Biology I L/L		4
COMM 212	Interpersonal Communication		3
COMM 216	Intercultural Communication		3
CSCI 289	Social Implications		2
ENGL 265	Native American Literature		3
HIST 220	North Dakota History		3
HIST 223	History of Lewis & Clark Expedition		3
MATH 210	Elementary Statistics		3
PSYC 111	Introduction to Psychology		3
PSYC 250	Developmental Psychology		3
PSYC 270	Abnormal Psychology		3
SOC 110	Introduction to Sociology		3
SOC 235	Cultural Diversity		3
SPAN 101	First Year Spanish		4
SPAN 102	First Year Spanish II		4
SPAN 201	Second Year Spanish I		4
SPAN 202	Second Year Spanish II		4
	History Course		3

## PUBLIC ADMINISTRATION

This curriculum consists of liberal arts courses, combined with courses from business and administrative sciences. Students in public administration find jobs in public, not-for-profit, and private sectors.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

#### SUGGESTED COURSES:

			CREDITS
ACCT 200	Elements of Accounting I		3
ACCT 201	Elements of Accounting II		3
ACCT 215	Business in the Legal Environment		3
BADM 201	Principles of Marketing		3
BADM 202	Principles of Management		3
COMM 210	Advanced Public Speaking		3
COMM 212	Interpersonal Communication		3
COMM 216	Intercultural Communication		3
ECON 201	Principles of Microeconomics		3
ECON 202	Principles of Macroeconomics		3
ENGL 125	Introduction to Professional Writing		3
MATH 103	College Algebra		3
MATH 146	Applied Calculus		3
MATH 210	Elementary Statistics		3
POLS 115	American Government		3
POLS 116	State & Local Government		3

## RADIOLOGIC TECHNOLOGY

Radiology technologists work in hospitals, clinics, and radiologic clinics. They take X-rays, and provide support for radiology. With additional training, radiologic technologists perform CAT scans, MRIs, and other specialized procedures.

### ASSOCIATE IN SCIENCE (AS)

#### SUGGESTED COURSES:

			CREDITS
ACCT 102	Fundamentals of Accounting		3
BADM 202	Principles of Management		3
BIOL 220	Anatomy & Physiology I L/L		4
BIOL 221	Anatomy & Physiology II L/L		4
CHEM 115	Introductory Chemistry L/L		4
	<b>OR</b>		
CHEM 121	General Chemistry I L/L		5
CSCI 101	Introduction to Computers		3
MATH 103	College Algebra		3
MATH 210	Elementary Statistics		3
PHYS 211	College Physics I L/L		4
PHYS 212	College Physics II L/L		4
	<b>OR</b>		
PHYS 251	University Physics I L/L		5
PHYS 252	University Physics II L/L		5
PSYC 111	Introduction to Psychology		3
PSYC 270	Abnormal Psychology		3

SOC 110	Introduction to Sociology	3
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Note: Students should note transfer application deadline and admission requirements.

## RECREATION MANAGEMENT

The recreation curriculum is designed to prepare students for professional administrative and leadership positions in parks and recreation. Students are advised to pursue a second major or minors in business administration, sociology, gerontology, or related area to enhance career opportunities. Contact your advisor at Williston State College to determine curriculum for the first two years.

### ASSOCIATE IN ARTS (AA) OR ASSOCIATE IN SCIENCE (AS)

#### SUGGESTED COURSES:

			CREDITS
ACCT 102	Fundamentals of Accounting		3
AGEC 240	Holistic Management		3
BADM 201	Principles of Marketing		3
BADM 202	Principles of Management		3
BIOL 150	General Biology I L/L		4
BIOL 151	General Biology II L/L		4
COMM 110	Fundamentals of Public Speaking		3
COOP 197	Cooperative Education/Internship		½-6
CSCI 101	Introduction to Computers		3
GEOG 151	Human Geography		3
GEOG 105	Physical Geology I/I		4
HPER 100	Concepts of Fitness & Wellness		2
HPER 101	Activity: Introductory Level		2-5
HPER 126	Lifetime Fitness		2
HPER 210	First Aid & CPR		1
PSYC 111	Introduction to Psychology		3
POLS 115	American Government		3
	<b>OR</b>		
SOC 110	Introduction to Sociology		3

## RELIGION

This curriculum provides a foundation for students interested in careers in religious studies and complements programs in nursing, science, business, criminal justice, and the humanities disciplines.

### ASSOCIATE IN ARTS (AA)

#### SUGGESTED COURSES:

			CREDITS
ENGL 261	American Literature I		3
ENGL 265	Native American Literature		3
HIST 101	Western Civilization I		3
HIST 102	Western Civilization II		3
HUMS 251	Humanities Survey: Mythical Realities & the Classical World		3
HUMS 252	Humanities Survey: Medieval Solutions & Renaissance Achievements		3
HUMS 253	Humanities Survey: Modern Revolutions & Contemporary Problems		3
MUSC 100	Music Appreciation		3
PHIL 101	Introduction to Philosophy		3
PHIL 210	Ethics		3
PHIL 215	Contemporary Moral Issues		2
PSYC 111	Introduction to Psychology		3
PSYC 250	Developmental Psychology		3
RELS 116	Women in Religion		3
RELS 120	Religion in America		3
RELS 203	World Religions		3
RELS 220	Old Testament		3
RELS 230	New Testament		3
SOC 115	Social Problems		3

# WSC [TRANSFER PROGRAMS]

## SECONDARY EDUCATION

The secondary education curriculum prepares students to work in high school settings. See catalog descriptions under each department of interest. A middle school endorsement may be earned with additional appropriate course work. Students should review the requirements of the colleges they plan to transfer to after completing the associate degree at WSC.

### ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	110	Introduction to Sociology	3
SOC	235	Cultural Diversity	3

<b>OPTIONAL COURSES:</b>		<b>CREDITS</b>	
COMM	211	Oral Interpretation	3
COMM	212	Interpersonal Communication	3
COMM	216	Intercultural Communication	2
CSCI	289	Social Implications	3
ENGL	265	Native American Literature	3
HIST	220	North Dakota History	3
HIST	223	History of Lewis & Clark Expedition	3
HPER	210	First Aid & CPR	1
MATH	103	College Algebra	3

## SOCIAL WORK

This curriculum provides a foundation for students interested in careers in social work, addiction counseling, rehabilitation services, or gerontology.

### ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
BIOL	111	Concepts of Biology L/L	4
BIOL	115	Human Structure & Function	3
BIOL	115L	Human Structure & Function Lab	1
CHEM	115	Introductory Chemistry L/L	4
CSCI	289	Social Implications	2
ECON	201	Principles of Microeconomics	2
<b>OR</b>			
ECON	202	Principles of Macroeconomics	3
ENGL	120	College Composition II	3
ENGL	265	Native American Literature	3
MATH	210	Elementary Statistics	3
MHA	210	Addictions I	4
MHA	215	Addictions II	4
PHIL	101	Introduction to Philosophy	3
POLS	115	American Government	3
POLS	116	State & Local Government	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
PSYC	270	Abnormal Psychology	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3

<b>OPTIONAL COURSES:</b>		<b>CREDITS</b>	
COMM	212	Interpersonal Communication	3
COMM	216	Intercultural Communication	3
HIST	220	North Dakota History	3
HIST	223	History of Lewis & Clark Expedition	3
HPER	126	Lifetime Fitness	2
PHIL	215	Contemporary Moral Issues	3
NUTR	222	Contemporary Nutrition	3
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4

## SOCIOLOGY

This curriculum focuses on the study of human social interactions and social organization.

### ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
PSYC	111	Introduction to Psychology	3
RELS	203	World Religions	3
SOC	110	Introduction to Sociology	3
SOC	115	Social Problems	3
SOC	235	Cultural Diversity	3
SOC	299	Special Topics	3
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4

<b>OPTIONAL COURSES:</b>		<b>CREDITS</b>	
PHIL	215	Contemporary Moral Issues	3

## SPANISH

This curriculum provides a foundation for students interested in careers in any public service, public business, health care, education, or other international fields.

### ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
ART	210	Art History I	3
ART	211	Art History II	3
HIST	101	Western Civilization I	3
HIST	102	Western Civilization II	3
HUMS	210	Integrated Cultural Studies	2-3
HUMS	211	Integrated Cultural Studies Excursion	1
RELS	203	World Religions	3
SPAN	101	First Year Spanish I	4
SPAN	102	First Year Spanish II	4
SPAN	201	Second Year Spanish I	4
SPAN	202	Second Year Spanish II	4
		Literature Classes	3-6

## SPECIAL EDUCATION

This curriculum provides the foundation for students interested in careers in teaching children or adults with impairments and other developmental disabilities.

### ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>		<b>CREDITS</b>	
BIOL	111	Concepts of Biology L/L	4
CHEM	115	Introductory Chemistry L/L	4
ENGL	238	Children's Literature	3
HIST	103	United States to 1877	3
HPER	100	Concepts of Fitness & Wellness	2
HPER	210	First Aid & CPR	1
MATH	277	Math for Elementary Teachers I L/L	4
MUSC	101	Fundamentals of Music	3
PSYC	111	Introduction to Psychology	3
PSYC	250	Developmental Psychology	3
SOC	235	Cultural Diversity	3

<b>OPTIONAL COURSES:</b>		<b>CREDITS</b>	
COMM	211	Oral Interpretation	3
COMM	212	Interpersonal Communication	3
COMM	216	Intercultural Communication	3
CSCI	289	Social Implications	2
ENGL	265	Native American Literature	3
GEOG	161	World Regional Geography	3
HIST	220	North Dakota History	3
HIST	223	History of Lewis & Clark Expedition	3
MATH	103	College Algebra	3

## THEATER

Students taking theater courses or pursuing a theater degree have an opportunity to increase their creative and expressive skills at WSC. Courses range from understanding the history of theater to participating in theatrical productions.

# WSC [TRANSFER PROGRAMS]

## ASSOCIATE IN ARTS (AA)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
ART	210	Art History I	3
ART	211	Art History II	3
COMM	211	Oral Interpretation	3
COMM	212	Interpersonal Communication	3
ENGL	225	Introduction to Film	3
MUSC	100	Music Appreciation	3
THEA	110	Introduction to Theater Arts	3
THEA	161	Acting I	3
THEA	201	Theater Practicum	
THEA	261	Acting II	3
THEA	270	Stagecraft	
HUMS	251	Humanities Society: Mythical Realities & the Classical World	3
HUMS	252	Humanities Society: Medieval Solutions & Renaissance Achievements	3
HUMS	253	Humanities Society: Modern Revolutions & Contemporary Problems	3

## VETERINARY MEDICINE/TECHNOLOGY

This career field offers students the opportunity to work with large, small, and exotic animals. Veterinarians may work in private practice or in larger clinic settings. Course work has a strong emphasis on sciences.

## ASSOCIATE IN SCIENCE (AS)

<b>SUGGESTED COURSES:</b>			<b>CREDITS</b>
AGEC	240	Holistic Management	3
ANSC	114	Introduction to Animal Science	2
ANSC	123	Feeds and Feeding	3
ANSC	220	Livestock Production	3
BIOL	150	General Biology I L/L	4
BIOL	151	General Biology II L/L	4
BIOL	215	Genetics L/L	4
CHEM	121	General Chemistry I L/L	5
CHEM	122	General Chemistry II L/L	5
CHEM	241	Organic Chemistry I L/L	5
CHEM	242	Organic Chemistry II L/L	5
CHEM	260	Elements of Biochemistry L/L	4
MATH	103	College Algebra	3
MICR	202	Microbiology	3
MICR	202L	Microbiology Lab	1
PLSC	101	Introduction to Biotechnology	2
PHYS	211	College Physics I L/L	4
PHYS	212	College Physics II L/L	4
<b>OR</b>			
PHYS	251	University Physics I L/L	5
PHYS	252	University Physics II L/L	5

Note: Students should note transfer application deadline and admission requirements.



# WSC [COURSE DESCRIPTIONS]

## COURSE DESCRIPTIONS

All courses defined hereafter are subject to change. Courses may be added or withdrawn from any term schedule due to need, enrollment, or other factors.

### ACADEMIC SKILLS COURSE

**ASC 067 ENGLISH LANGUAGE LEARNER 1-3**  
Help for English Language Learners to communicate effectively in daily life. Areas of concentration include speaking, listening, reading, and writing. S/U grading only. Not applicable toward total hours required for graduation.

**ASC 068 ENGLISH LANGUAGE LEARNER II 1-3**  
People from other countries are arriving for employment and post secondary education and a goal to expand their English skills for college courses and employment. ASC 068 would provide that preparation. S/U grading only. Not applicable toward total hours required for graduation.

**ASC 075 COLLEGE STUDY SKILLS 2**  
Designed to introduce or enhance the study skills necessary for college success. Topics include personal learning styles, textbook reading, note taking, time management, test preparation, test taking, effective memory techniques and critical thinking skills. S/U grading only. Not applicable toward total hours required for graduation.

**ASC 076 APPLIED STUDY SKILLS 1**  
This course applies to specific content areas. Learning and study strategies will be presented using students' texts and classroom assignments. Instruction for individuals or small group include math, English, and computer applications. S/U grading only. Not applicable toward total hours required for graduation.

**ASC 083 SPEED READING 1**  
This course is designed to prepare students for better comprehensive textbook reading, to improve reading efficiency through increased reading rate with good comprehension, and to develop greater flexibility of reading speed. S/U grading only. Not applicable toward total hours required for graduation.

**ASC 087 ENGLISH WRITING PREP 3**  
Designed for students whose ACT scores or performance on the English department's diagnostic essay and exam indicates a need for review of basic writing components. Instruction is provided in basic structure, organization, topic choice, punctuation, language mechanics, grammar, and editing. S/U grading only. Not applicable toward total hours required for graduation.

**ASC 091 ALGEBRA PREP I 2**  
This course begins the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include operations with whole numbers and fractions, orders of operation, simplification and evaluation of expressions, and evaluation of one and two step linear equations. Study skills will be incorporated throughout the course. Credit earned does not count toward any degree, nor does it transfer. Placement is according to placement test scores or on a voluntary basis.

**ASC 092 ALGEBRA PREP II 2**  
Prerequisites: Placement by appropriate test score or completion of ASC 091 with a grade of "C" or better. This course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include the solutions of linear equations and inequalities, formula manipulation, Cartesian geometry and the graphing of linear equations and inequalities, systems of equations, and an introduction to functions. Study skills will be incorporated throughout the course. Credit earned does not count toward any degree, nor does it transfer.

**ASC 093 ALGEBRA PREP III 2**  
Prerequisites: Placement by appropriate test score or completion of ASC 092 with a grade of "C" or better. This course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include exponents and radicals, algebraic manipulation involving polynomial and rational forms, and unit analysis. Study skills will be incorporated throughout the course. Credit earned does not count toward any degree, nor does it transfer.

**ASC 100 COLLEGE STRATEGIES 1**  
A strategy course for first time, traditional degree seeking students. Topics include, but are not limited to, team building, campus services, adjusting to college, time management, academic advising, academic policies, learning styles, stress management, and paying for college. S/U grading only.

**ASC 101 COLLEGE TRANSITION 1/2**  
4-week course for non-traditional and transfer degree-seeking students to aid in successful transition. S/U grading only.

### ACCOUNTING

**ACCT 102 FUNDAMENTALS OF ACCOUNTING 3**  
Basic principles of partnership accounting and the accrual basis of accounting.

**ACCT 200 ELEMENTS OF ACCOUNTING I 3**  
Principles and concepts of the accounting cycle. Internal controls as needed for special journals, cash management, and inventories are presented along with an understanding of financial statements.

**ACCT 201 ELEMENTS OF ACCOUNTING II 3**  
Prerequisite: ACCT 200. Accounting for partnerships and corporations with special emphasis on accounting procedures for the assets and liabilities commonly found in business.

**ACCT 205 COST ACCOUNTING 3**  
Prerequisite: ACCT 201. The introduction of modern cost accounting with insight and breadth regarding both the accountant's and the manager's role in an organization.

**ACCT 215 BUSINESS IN THE LEGAL ENVIRONMENT 3**  
Prerequisite: Sophomore standing. Consideration of the nature, formation, and application of law in general; emphasis on public law and regulation of business.

**ACCT 231 INCOME TAX PROCEDURES 3**  
Federal income tax relating to individuals and partnerships.

### AGRICULTURE

**AGEC 141 PRINCIPLES OF AGRIBUSINESS MANAGEMENT 2**  
This is an introductory course dealing with the economic importance of the agribusiness community and the potential for employment with the agribusiness industry.

**AGEC 142 AGRICULTURAL ACCOUNTING 2**  
An introduction to the preparation of farm records and financial statements for use in business analysis.

**AGEC 240 HOLISTIC MANAGEMENT 3**  
Comparison of scientific and holistic thought models as applied to personal, organizational, and biological problem solving and goal setting.

**AGEC 242 INTRODUCTION TO AGRICULTURAL MANAGEMENT 3**  
Economic and managerial concepts related to farm or agribusiness production process, development of cost data, enterprise analysis, organization, and management of production inputs.

**AGEC 244 INTRODUCTION TO AGRICULTURAL MARKETING 3**  
A study of the agricultural marketing system to include cash marketing, commodity futures trading, branded products merchandising, and the interrelationship of the government and international trade.

**AGEC 246 INTRODUCTION TO AGRICULTURAL FINANCE 2**  
Provides background in farm and agribusiness credit use and evaluation. Discussion of specific financial conditions on farms and in agribusiness.

**AGEC 275 APPLIED AGRICULTURAL LAW 2**  
Study of laws affecting agriculture and agribusiness including property ownership, financial relations, and environmental regulation.

**AGRI 24 FARM MANAGEMENT EDUCATION 2**  
A practical study of the farming business for farm families currently engaged in managing their farms or ranches. S/U grading only.

**AGRI 242 FARM MANAGEMENT EDUCATION 2**  
This course continues the application of farm management principles for decision-making. S/U grading only.

**AGRI 275 INTRODUCTION TO PRECISION AGRICULTURE 2**  
Basic operation and application of electronic components to precision

# WSC [COURSE DESCRIPTIONS]

agriculture or site specific management. Real time global positioning, yield monitors, sensors, variable rate applications, and field guidance systems.

**AGRI 294 INDEPENDENT PROJECTS** 1-2  
With the advice and direction of the instructor, the student investigates a subject of interest or studies a problem; a written report of the project plan and findings is required. Repeatable for credit.

**AGRI 299 SPECIAL TOPICS** 1-4  
Prerequisite: Departmental approval. Variable instructional topics in the field of agriculture. Repeatable for credit.

**ANSC 114 INTRODUCTION TO ANIMAL SCIENCE** 2  
General principles of the livestock industry and relationship to mankind.

**ANSC 123 FEEDS & FEEDING** 3  
Principles of feeding livestock including digestive systems, nutrient requirements, nutrient characteristics, and sources utilized in the formulation of balanced rations.

**ANSC 133 SPECIALTY ANIMAL PRODUCTION** 2  
Study of specialty and emerging animal species with emphasis on selection, nutrition, facilities, processing, and marketing.

**ANSC 220 LIVESTOCK PRODUCTION** 3  
General production and management of major meat animal species. Topics include production systems, feeding, facilities, health, economics, and marketing.

**ANSC 231 LIVESTOCK EVALUATION** 2  
Visual and performance evaluation of breeding and slaughter classes of the major meat producing livestock.

**ANSC 238 LIVESTOCK BREEDING** 2  
The anatomy and physiology of the reproductive systems of farm animals, management practices related to breeding livestock, genetics, and performance testing programs.

**ASM 155 AGRICULTURAL WELDING** 3  
Principles and operation of oxyacetylene, electrode, and wire feed welding.

**H&CE 241 LEADERSHIP AND PRESENTATION TECHNIQUES** 3  
Development of youth leadership professionals in educational settings; methods, principles, and practices in organizing, developing, conducting, and evaluating community-based student organizations and student leadership programs.

**PLSC 101 INTRODUCTION TO BIOTECHNOLOGY** 2  
Introduction to an ever-growing industry. Course is designed to demonstrate the significance of biotechnology in today's world.

**PLSC 110 WORLD FOOD CROPS** 3  
Scientific principles of crop growth, worldwide production, management alternatives, and processing for domestic and international consumption.

**PLSC 220 PRINCIPLES OF FORAGE PRODUCTION** 3  
Introduction to several forage crops and their management; principles of range and grazing management, forage quality characteristics, the use of legumes in rotations, and preservation of forages.

**PLSC 223 INTRODUCTION TO WEED SCIENCE** 3  
Introduction to biological, chemical, cultural, and mechanical weed control and characteristics of weeds and their identification, pesticide application, and dissipation.

**PLSC 225 PRINCIPLES OF CROP PRODUCTION** 3  
Scientific principles of field crop production with emphasis on relationships of crops and their climate and production considerations as a means of management resources and the environment.

**PLSC 230 GRAIN & SEED ANALYSIS** 2  
Principles of grain grading and seed analysis in accordance with state and federal regulations and standards; other crops of regional importance will also be discussed.

**PLSC 270 HIGH VALUE & SPECIALTY CROPS** 3  
Recognition of production, processing, market, and rotational adaptations of current, new, and emerging high value crops.

**RNG 236 INTRODUCTION TO RANGE MANAGEMENT** 2  
Principles of range management which include plant identification, range evaluation, and range improvement.

**SOIL 210 INTRODUCTION TO SOIL SCIENCE** 4  
Physical, chemical, and biological properties of soils as related to use,

conservation, and plant growth.

**SOIL 222 SOIL FERTILITY AND FERTILIZERS** 3  
Principles of plant nutrition and soil nutrient availability; soil testing and fertilizer recommendations and management. Macro nutrient emphasis.

## ALLIED HEALTH

**AH 110 BASIC PATIENT CARE** 2  
Covers the skills and knowledge required to provide basic care to patients. The course is designed to prepare pre-nursing students to challenge the CNA Certification Exam as part of the entrance requirement to the Dakota Nursing Program.

**AH 130 PATHOLOGY FOR ALLIED HEALTH** 3  
Introduction to medical and pathological conditions commonly encountered by allied health practitioners.

**AH 134 MEDICAL DISORDERS** 3  
This course provides the student with a basic understanding of human disease and appropriate interventions. Content includes statistics, risk factors, signs and symptoms, diagnostic studies, and treatments specific to each disease/disorder.

**AH 138 MEDICAL CODING I** 3  
Introduces the student to the basic coding principles of the CPT and ICD-9 CM coding systems. The format of each system, coding rules, and coding selection are studied. Application of correct coding standards and principles for coding of physician services, diagnoses, and procedures are presented.

**AH 139 MEDICAL CODING II** 3  
Prerequisite: AH 138. A continued study of the CPT and ICD-9-CM coding systems with focus on coding actual cases. Other topics include legislation affecting coding/reimbursement, documentation requirements, and ethical coding principles.

**AH 140 CODING CERTIFICATION PREPARATION** 2  
Prerequisite: AH 139. A capstone course to prepare students for the Certified Coding Associate exam.

**AH 170 MEDICAL TERMINOLOGY** 1  
A basic medical terminology course which will enable students to: spell basic anatomical terminology and recognize, pronounce, define, and combine forms of common Greek and Latin prefixes, suffixes, and word roots for each body system, along with the abbreviations commonly used in the body system.

**AH 171 MEDICAL TERMINOLOGY I** 3  
Study of prefixes, suffixes, and root words of medical terms and their meaning, spelling, and pronunciation. Emphasis on building a working medical vocabulary based on body systems.

**AH 172 MEDICAL TERMINOLOGY II** 2  
Prerequisite: AH 171. Medical terminology related to pathology, diagnostic, surgical, clinical and laboratory procedures, and common abbreviations and acronyms for each body system.

**AH 220 FUNDAMENTALS OF MEDICAL TRANSCRIPTION** 3  
Basic theory of medical documents is covered. This includes formatting, spelling, number expression, punctuation, English grammar, and proofreading. Introduction to applied transcription.

**AH 222 MEDICAL TRANSCRIPTION I** 3  
Prerequisites: AH 134, AH 171, and PHRM 137. This course is an introduction to basic medical transcription through the process of transcribing medical dictation and completing related assignments. Transcription skills emphasizing correct use of grammar, punctuation and spelling are studied. Basic transcription practice that includes a variety of dictated medical reports is also included. An emphasis on AAMT (American Association of Medical Transcription) style and format is included. The student will gain exposure to the following specialties by transcribed reports and assignments: dermatology, urology, gastroenterology, cardiology, pulmonary medicine, endocrinology, orthopedics, obstetrics and gynecology, otorhinolaryngology, ophthalmology, neurology, psychiatry, pathology, and radiology.

**AH 223 MEDICAL TRANSCRIPTION II** 3  
Prerequisite: AH 222. Medical Transcription II is a continuation of the skills taught in Medical Transcription I. This course will emphasize accuracy as well as continued application of medical terminology, medical disorders,

# WSC [COURSE DESCRIPTIONS]

human structure and function, pharmacology, English and grammar skills, and AHDI rules of style. Course fee required.

**AH 226 ADV. MEDICAL TRANSCRIPTION-ORTHROPEDECS 3**  
Prerequisite: AH 223. These advanced medical transcription courses will offer the student continued transcription of original physician healthcare dictation using transcription, proofreading, editing, and research skills while meeting quality and productivity standards.

**AH 227 ADV. MEDICAL TRANSCRIPT.-GASTROENTEROLOGY 3**  
Prerequisite: AH 223. These advanced medical transcription courses will offer the student continued transcription of original physician healthcare dictation using transcription, proofreading, editing, and research skills while meeting quality and productivity standards.

**AH 229 ADV. MEDICAL TRANSCRIPTION-CARDIOLOGY 3**  
Prerequisite: AH 223. These advanced medical transcription courses will offer the student continued transcription of original physician healthcare dictation using transcription, proofreading, editing, and research skills while meeting quality and productivity standards.

**AH 230 ADVANCED MEDICAL TRANSCRIPTION-SURGERY 3**  
Prerequisite: AH 223. These advanced medical transcription courses will offer the student continued transcription of original physician healthcare dictation using transcription, proofreading, editing, and research skills while meeting quality and productivity standards.

**AH 231 HEALTHCARE LAW & ETHICS 1**  
This course will cover laws pertaining to health care (confidentiality, patient rights, HIPAA regulations) as well as common ethical problems that are encountered and how these problems are handled.

**AH 235 INTRODUCTION TO SPEECH RECOGNITION 2**  
Prerequisites: AH 222 and AH 223. This course will introduce the medical transcription student to the knowledge base and basic and advanced skills of a speech recognition editor. The student will also complete 300 minutes of authentic physician dictation on 3M's ChartScript.com platform utilizing the basic and advanced speech recognition editing techniques.

**AH 236 ESL DICTATION 2**  
Prerequisites: AH 222, AH 223. This course will introduce the medical transcription student to several ESL (English as Second Language) providers from Asia, the Middle East, and Latin America. The course will teach students speech recognition and guidelines for ESL dictation and how it pertains to ADHI rules of style and English usage.

**AH 250 RMT EXAM PREP 1**  
Prerequisites: AH 225, 226, 227, 229, or Departmental Approval. This course will help prepare students for the national RMT (registered medical transcription) certification examination offered by AHDI (Association of Healthcare Documentation Integrity).

**AH 260 KINESIOLOGY I 1**  
Prerequisites: BIOL 220 & BIOL 221. In-depth study of the musculoskeletal system. Biomechanics of normal and abnormal movement are presented.

**AH 260L KINESIOLOGY I LAB 3**  
Corequisite: AH 260. Basic assessment techniques of the body are learned. Including, but not limited to, manual muscle testing, goniometry, reflexes, dermatomes, and myotomes.

**AH 261 KINESIOLOGY II 3**  
Prerequisite: AH 260. Kinesiology II builds off the basic information learned about body function in Kinesiology I.

**AH 261L KINESIOLOGY II LAB 1**  
Corequisite: AH 261. Basic evaluative techniques of the body are learned. Including, but not limited to, manual muscle testing, goniometry, reflexes, dermatomes, and myotomes. This course would reinforce the concepts learned in the Kinesiology II lecture for PTA students.

**AH 266 LABORATORY PROCEDURES 2**  
A comprehensive study of laboratory tests and procedures by body system; radiology procedures; pathology procedures.

**AH 267 HUMAN DISEASES & SURGICAL PROCEDURES 2**  
Comprehensive study of disease processes (causes, symptoms, and treatments), organized by body systems. Study of surgical techniques, instruments, and operative procedures.

**AH 271 MEDICAL TRANSCRIPTION CAPSTONE 4**  
This course introduces editing and voice recognition as well as training for the RMT national certification examination through AHDI. Upon completion of this course, the student will take the RMT exam and will be credentialed before gaining employment.

**AH 281 MEDICAL INSURANCE/BILLING 3**  
Prerequisite: AH 138. An introduction to the major nationwide medical insurance programs, diagnostic and procedural coding systems, and the filing of claim forms.

**AH 287 COMPUTER APPLICATIONS IN HEALTH CARE 2**  
This course introduces and includes definitions, electronic data collection, storage, electronic health records, and personal health records. The class instructs students on how to implement, manage, and secure computer-based patient record systems. National health information initiatives and regional health information organizations will be discussed. Specialized HIM software will be used.

**AH 299 SPECIAL TOPICS 1-3**  
Prerequisite: Departmental approval. Designed to meet student needs or interests; offered to utilize particular faculty resources; topics will be selected on interest and relevancy to students' needs.

## ART

**ART 110 INTRODUCTION TO THE VISUAL ARTS 3**  
Films, original works, slides, discussions, demonstrations. Structure and meaning of visual art forms as revealed through the analysis of psychological, sociological, and philosophical applications of art mediums.

**ART 120 PAINTING I 3**  
Introduction of basic paints through a variety of materials.

**ART 122 TWO-DIMENSIONAL DESIGN 3**  
A basic course in the study of two-dimensional design for the studio artist.

**ART 124 THREE-DIMENSIONAL DESIGN 3**  
A basic course in the study of three-dimensional design for the studio artists.

**ART 130 DRAWING 1 3**  
Study and application of different drawing media, methods, and techniques.

**ART 210 ART HISTORY I 3**  
A survey of Western art from Paleolithic to the Renaissance.

**ART 211 ART HISTORY II 3**  
A survey of Western art from the Renaissance to the present.

**ART 230 DRAWING II 3**  
Advanced study and application of different drawing media, methods, and techniques.

**ART 299 SPECIAL TOPICS 1-3**  
Prerequisite: Departmental approval. An examination of special topics in art. Repeatable for credit.

## ATMOSPHERE SCIENCES

**ATSC 110 METEOROLOGY I/L 4**  
Elements of the atmosphere with emphasis on those processes that affect the global atmospheric circulation.

## AUTOMOTIVE TECHNOLOGY

**AUTO 146 INTRO TO AUTO ENGINES 4**  
Corequisite: AUTO 147 and AUTO 156. This course focuses on the principles and fundamentals of automotive engines utilizing industry standards, techniques, and equipment in preparation for advanced courses of trouble shooting and repair.

**AUTO 147 BASIC ELECTRICAL SYSTEMS 5**  
Corequisite: AUTO 146 and AUTO 156. This course focuses on the principles and fundamentals of basic electricity and electronics utilizing industry standards, techniques, and equipment in preparation for advanced courses of trouble shooting and repair.

**AUTO 156 ENGINE PERFORMANCE I 6**

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Corequisite: AUTO 146 and AUTO 147. This course focuses on the principles and fundamentals of fuel/ignition systems and emission systems utilizing industry standards, techniques, and equipment in preparation for advance courses of troubleshooting and repair.

## **AUTO 157 MAINTENANCE PROCEDURES 4**

Corequisite: AUTO 166 and AUTO 167. This course focuses on maintenance procedures across the broad spectrum of the automotive industry utilizing industry standards, techniques, and equipment.

## **AUTO 166 BRAKE SYSTEMS 5**

Corequisite: AUTO 157 and AUTO 167. This course focuses on the understanding, diagnosis, and repair of automotive brake systems utilizing industry standards, techniques, and equipment.

## **AUTO 167 SUSPENSION AND STEERING SYSTEMS 6**

Corequisite: AUTO 157 and AUTO 166 This course focuses on the understanding, diagnosis, and repair of suspension and steering systems utilizing industry standards, techniques, and equipment.

## **AUTO 231 ENGINE PERFORMANCE II 4**

Corequisite: AUTO 232 and AUTO 234. This course focuses on the understanding, diagnosis and repair of fuel and ignition and emission computerized systems across the broad spectrum of the automotive industry utilizing industry standards, techniques, and equipment.

## **AUTO 232 HEATING AND AIR CONDITIONING SYSTEMS 5**

Corequisite: AUTO 231 and AUTO 234. This course focuses on the principles and repair of heating, ventilation, air conditioning and cooling systems utilizing industry standards, techniques, and equipment.

## **AUTO 234 ENGINE DIAG/REPAIR 6**

Corequisite: AUTO 231 and AUTO 232. This course focuses on the understanding, diagnosis and repair of auto engine systems across the broad spectrum of the automotive industry utilizing industry standards, techniques, and equipment.

## **AUTO 235 SHOP PRACTICES/WELDING 4**

Corequisite: AUTO 288 and AUTO 289. This course focuses on shop practices such as repair order writing, customer relation, business practices, and welding techniques.

## **AUTO 288 MANUAL DRIVE TRAIN AND AXLES 5**

Corequisite: AUTO 235 and AUTO 289. This course focuses on the understanding, diagnosis, and repair of manual drive train and axle systems across the broad spectrum of the automotive industry utilizing industry standards, techniques, and equipment.

## **AUTO 289 AUTOMATIC DRIVE TRAIN AND AXLES 6**

Corequisite: AUTO 235 and AUTO 288. This course focuses on the understanding, diagnosis, and repair of automatic drive train and axle systems across the broad spectrum of the automotive industry utilizing industry standards, techniques, and equipment.

## **BIOLOGY**

### **BIOL 111 CONCEPTS OF BIOLOGY L/L 4**

This is an introductory level non-majors transferable class. It covers major concepts in biology; chemistry of life, cellular biology, ecology, human systems, and disease.

1. Basic science literacy, possibly including superficial coverage of cell biology, ecology, human anatomy and physiology, evolution, genetics, and environmental biology.
2. Understanding how science informs cultural perspectives.
3. Understanding the relationship among levels of biological information.
4. Understanding the unity and diversity of life forms.
5. Comprehending methods of inquiry and technology and the applications for society.
6. Integrating knowledge and ideas in science.
7. Understanding and utilizing scientific knowledge.

### **BIOL 115 HUMAN STRUCTURE & FUNCTION 3**

One semester course that integrates the structure and function of the human body. The course begins with cells and tissues and includes the organ systems. Directed toward majors in transcription, social work, psychology, physical education, and education.

### **BIOL 115L HUMAN STRUCTURE & FUNCTION LAB 1**

Corequisite: BIOL 115. Examines the structure and function of cells, tissues, and the organ systems through models, preserved specimens, and physiological tests.

### **BIOL 124 ENVIRONMENTAL SCIENCE L/L 4**

Study of the effect of man's activities upon the environment in which he lives. Topics include general ecology, biomes, and environmental problems. Lab experiments and exercise in Environmental Science.

1. Understanding basic principles of Natural Resource Management.
2. Understand the human cause of current environmental problems and possible solutions.
3. Population demography.
4. Substance practices.
5. Applying principles of ecology that are associated with the study of the environmental science.
6. Learn to apply critical thinking in environmental science.
7. Using the scientific method of inquiry to inform environmental science perspectives.

### **BIOL 150 GENERAL BIOLOGY I L/L 4**

A two-semester sequenced study of the fundamental topics of biology. Emphasis on cellular biology. Topics include chemistry of life, cell biology, molecular genetics, genetics, cellular respiration, photosynthesis, simple life forms at the cellular level, and evolution and ecology.

1. Understand cellular and viral structure and function.
2. Understand fundamental biochemical principles.
3. Understand rudimentary classical genetics.
4. Understand rudimentary molecular genetics and have a familiarity with various DNA technologies.
5. Use knowledge about mechanisms of cellular and molecular processes.

### **BIOL 151 GENERAL BIOLOGY II L/L 4**

A two-semester sequenced study of the fundamental topics of biology. Emphasis on organismal biology. Topics include animal structure and physiology, including unity and diversity of animal systems, overview of human systems, plant structure and physiology including unity and diversity of plant systems, evolution, and ecology.

1. Describe the unity and diversity of life, including structure and function and how this relates to the environment.
2. Describe how life (or life forms) has (have) changed and adapted over time.
3. Understand basic evolution and evolutionary processes.
4. Develop an understanding of ecology.

### **BIOL 215 GENETICS L/L 4**

Prerequisite: BIOL 150. Study of the basis of heredity, with emphasis on structure and function of DNA and Mendelian Genetics. Topics include molecular genetics, Mendelian genetics, human genetic diseases, and microbial genetics. Lab experiments and exercises in prokaryotic, eukaryotic, and molecular genetics.

1. Understanding molecular genetics.
2. Understanding and solving problems in Mendelian (classical) inheritance.
3. Have a familiarity with genetic technologies.
4. Understanding population genetics and evolution.
5. Develop an appreciation for the relationship of genetics to other disciplines, e.g., biochemistry, ethics, economics, and medicine.

### **BIOL 220 ANATOMY & PHYSIOLOGY I L/L 4**

A systematic study of the structure and function of the human body. The study includes the cell and tissues, skeletal, muscular, and nervous systems. The course is directed toward allied health, nursing, life science, and physical education majors.

### **BIOL 221 ANATOMY & PHYSIOLOGY II L/L 4**

Prerequisite: BIOL 220. Systematic study of the structure and function of the following systems: endocrine, cardiovascular, digestive, respiratory, urinary,



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and reproductive systems. Emphasis is given to the physiology of the systems and includes fluids and electrolytes.

**BIOL 271 BIO-TECHNOLOGY L/L** 3  
Prerequisite: BIOL 150. This is a laboratory oriented course to gain experience in the various techniques to be studied. Topics include isolation of chromosomal and plasmid DNA, electrophoresis, and tissue culture.

**BIOL 295 INDEPENDENT PROJECTS** 1-4  
Prerequisite: Departmental approval. Opportunity to do independent study in an area of particular interest under the advisement of a biology instructor.

**BIOL 299 SPECIAL TOPICS** 1-4  
Prerequisite: Departmental approval. Designed to meet students' needs or interests. Uses participating faculty resources. Topics will be selected on interest and relevance to needs.

## BUSINESS

**BADM 195 SERVICE LEARNING** 1/2-3  
Maximum of three semester hours. Service learning may be accomplished by one of three methods: joining a club that has a public service component, doing volunteer work at a non-profit organization, or taking a course that links public service with its curriculum. S/U grading only.

**BADM 201 PRINCIPLES OF MARKETING** 3  
Introductory marketing course concerned with fundamentals of the distribution of goods and services, pricing, promotion, and products.

**BADM 202 PRINCIPLES OF MANAGEMENT** 3  
Study of basic management and organization principles of American business firms; developing managerial knowledge and skill including basic concepts and principles; focuses on the major functions of management; planning, organizing, influencing, and controlling.

**BADM 203 LEADERSHIP TECHNIQUES** 3  
The development of occupational knowledge and skills through activities that may include: seminars, field trips, public service, and work experience. Individual and group meetings are held to plan and monitor each student's assigned activities.

**BADM 208 EVENT PLANNING** 3  
A practical approach to the planning, organizing, staging, and evaluation of events in sports, recreation, business, and entertainment industries.

**BADM 210 ADVERTISING I** 3  
Basics of advertising theory and principles including purpose of advertising, methods of appeal, selection of media, and creation of advertising campaigns.

**BADM 211 ADVERTISING II** 3  
Prerequisite: BADM 210 or permission. Provides practical experience in developing advertising campaigns for a local business, public agency, or nonprofit benefit.

**BADM 220 CONSUMER BEHAVIOR** 3  
Prerequisite: BADM 201. Theoretical and applied analysis of consumption-related activities of individuals. Investigation of the reasons behind and the forces influencing the selection, purchase, use, and disposal of goods and services.

**BADM 240 SALES** 2  
Develops a professional concept of the function of sales in today's economy; pre-approach, approach, determining customer needs, handling objections, and closing the sale.

**BADM 251 PERSONAL FINANCE** 3  
The personal financial planning and management process: goal identification and budgeting; minimizing tax liability; uses and costs of various forms of credit; buying, selling, and/or leasing real estate, automobiles and other major items; life, health, property and income insurance; various investment options; the retirement planning process; and estate planning options.

**BADM 260 PRINCIPLES OF RETAILING** 3  
Prerequisite: BADM 201. Fundamentals course dealing with the importance of marketing institutions and their methods of operation. Economic order quantities, location, profits, and employee relations are some of the topics covered.

**BADM 269 BUSINESS ETHICS** 3

This course will present a framework for understanding ethical decision-making and social responsibility as it applies to the business world.

**BADM 299 SPECIAL TOPICS** 0.5-3  
Prerequisite: Departmental approval. Special intermediate and advanced investigation of business related topics.

**BOTE 102 KEYBOARDING I** 2  
Basic instruction and practice using the alphanumeric keyboard. Emphasis on proper fingering for touch operation of the keyboard, development of speed and accuracy, and exploration of business document formatting.

**BOTE 108 BUSINESS MATH** 3  
Review of mathematical fundamentals with emphasis on business applications and problem solving.

**BOTE 116 STUDENT LEADERSHIP PRACTICUM** 0.5  
Participation in the Beta Alpha Lambda chapter of Phi Beta Lambda (PBL). PBL provides opportunities for leadership training, personal development, community service, and further development of specific skills.

**BOTE 121 BUSINESS ENGLISH** 3  
Basic review of sentence structure, spelling, vocabulary, punctuation, grammar, and number usage.

**BOTE 152 KEYBOARDING II** 2  
Development of speed and accuracy on data/word processing equipment; letter writing, envelopes, tabulation techniques, outlines, printed forms, rough drafts, memorandums, manuscript preparation.

**BOTE 188 COMPUTERIZED ACCOUNTING** 2  
Provides a realistic approach to computerized, integrated accounting principles. Consists of six major accounting systems commonly found in computerized accounting environments; general ledger, accounts receivable, accounts payable, financial statement analysis, depreciation, and payroll systems.

**BOTE 217 RECORDS MANAGEMENT 2**  
Study of the systematic control of business records' manual and electronic applications. Records creation, distribution, utilization, retention, storage, protection, preservation, and final disposition are discussed.

**BOTE 218 DESKTOP PUBLISHING 2**  
Prerequisites: BOTE 102 or equivalent & CSCI 101. Software application course providing students skills in electronic layout, editing, and production of documents.

**BOTE 247 SPREADSHEET APPLICATIONS** 3  
Intermediate and advanced use of applications software for the creation of spreadsheets, graphs, databases, and macros. Integration with other software applications are reviewed.

**BOTE 275 ADMINISTRATIVE OFFICE PROCEDURES** 3  
A course emphasizing duties, responsibilities, and personal qualities of office personnel in today's automated office. Use of advanced computer applications and related office technologies are included.

**BOTE 299 SPECIAL TOPICS** 1-6  
Designed to meet student needs or interests; offered to utilize particular faculty resources; topics will be selected on the basis of currency and relevancy to student needs.

**BUSN 250 PRINCIPLES OF REAL ESTATE** 3  
General introduction to real estate as a business and as a profession. The course is designed to acquaint the student with the wide range of subjects and terminology necessary to the practice of real estate. This introductory course in fundamentals will include the nature of real estate and ownership, principles and concepts of title transfer, title insurance, real estate marketing, financing, contract law and agency, leasing, taxation, insurance development, appraising, and state license law. Upon successful completion of the course with a 75% or higher average, a certificate will be issued, allowing the student to sit for the North Dakota and the National Real Estate licensing exams, as administered by the North Dakota Real Estate Commission.

## CHEMISTRY

**CHEM 112 INTRODUCTION TO FORENSIC SCIENCE L/L** 4  
A general introduction to the field of forensic science, covering crime scenes, comparisons of soil, glass, hair, fiber, and paint samples. There will be an analysis of blood, hair, and bodily fluids as well as firearm and tool

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identification. Introductions into many of the subfields of forensics will be discussed. The included lab portion will provide hands-on experience in the analysis of evidence.

**CHEM 115 INTRODUCTORY CHEMISTRY L/L** 4  
Prerequisite: high school Algebra. An introductory non-majors course covering topics in measurement, atomic structure, stoichiometry, solutions, gas laws, and acid/bases.

**CHEM 116 INTRODUCTION TO ORGANIC & BIOCHEMISTRY L/L** 4  
Prerequisite: CHEM 115 or CHEM 121. Non-majors course that includes topics on functional groups, nomenclature, organic reactions, proteins, enzyme action, carbohydrates, lipids, and metabolism. Course is directed toward nursing and allied health majors.

**CHEM 121 GENERAL CHEMISTRY I L/L** 5  
Prerequisite: Two years of high school Algebra or higher. Recommended concurrent enrollment in college algebra or higher math. Topics include atomic structure, stoichiometric relationships, chemical reactions, gas laws, thermochemistry, bonding, and molecular geometry. Course required for science, pre-med, allied health, agriculture, and engineering majors.

**CHEM 122 GENERAL CHEMISTRY II L/L** 5  
Prerequisite: CHEM 121. Topics include solutions, physical states, reaction rates and mechanisms, chemical equilibrium, electrochemistry, and thermochemistry.

**CHEM 240 SURVEY OF ORGANIC CHEMISTRY L/L** 5  
Prerequisite: CHEM 121. Includes topics on nomenclature, reaction mechanisms, reaction types, properties of functional groups and stereochemistry. Directed toward majors in dietetics, medical technology, allied health, agriculture, and natural science.

**CHEM 241 ORGANIC CHEMISTRY I L/L** 5  
Prerequisite: CHEM 122. First semester of a two-semester sequence designed for science and pre-professional students. Required for chemistry majors. Structure and bonding, nomenclature, stereochemistry, functional groups, and spectroscopy.

**CHEM 242 ORGANIC CHEMISTRY II L/L** 5  
Prerequisite: CHEM 241. Second semester of a two-semester sequence. Structure and reactivity, name reactions, carbon-carbon bond formation reactions, aromatic and heterocyclic chemistry, multi-step synthesis, and polymers.

**CHEM 260 ELEMENTS OF BIOCHEMISTRY L/L** 4  
Prerequisite: CHEM 240 or CHEM 241. Survey course on the dynamic nature of the chemistry of life. Includes topics on cellular structure, proteins, enzymes, carbohydrates, lipids, nucleic acids and metabolism. Directed toward majors in dietetics, health fields, agriculture, and bio-technology.

**CHEM 299 SPECIAL TOPICS** 1-4  
Prerequisite: Departmental approval. Designed to meet students' needs or interests; offered to utilize particular faculty resources; topics will be selected on interest and relevancy to students' need.

## COMMUNICATION

**COMM 110 FUNDAMENTALS OF PUBLIC SPEAKING** 3  
Basic principles of speech from the viewpoint of composition and delivery. Emphasis on student performance, critical thinking skills, effective organization, and direct communication of ideas.

**COMM 200 INTRODUCTION TO MEDIA WRITING** 3  
Introduction to writing in the styles and forms required in journalism, advertising, broadcasting, and public relations.

**COMM 210 ADVANCED PUBLIC SPEAKING** 3  
An advanced course in the art of oral discourse.

**COMM 211 ORAL INTERPRETATION** 3  
The study of literature for performance with emphasis on written and verbal analysis.

**COMM 212 INTERPERSONAL COMMUNICATION** 3  
Introduces fundamental concepts of communication between individuals. Explores aspects of self expression and relationship communication.

**COMM 214 PERSUASIVE SPEAKING** 3  
Persuasive speaking with focus on evaluating information directed at the consumer. The course involves strategies of altering attitudes, beliefs, values, and behavior.

**COMM 216 INTERCULTURAL COMMUNICATION** 3  
Explores the opportunities and barriers that occur when people from different cultures communicate. Explores the definitions, models, and verbal processes of communication.

**COMM 217 ORGANIZATIONAL COMMUNICATION** 3  
A practical approach for communication in the workplace including working in a group, networking, leadership, ethics, and problem solving.

**COMM 221 INTRODUCTION TO ARGUMENTATION & DEBATE** 3  
Introduces basic components of the practical application of argument, common types of argument, logic, and reasoning.

**COMM 299 SPECIAL TOPICS** 1-4  
Prerequisite: Departmental approval. Designed to meet students' needs or interests. Uses participating faculty resources. Topics to be selected on interest and relevance to needs.

## COMMUNICATION DISORDERS

**CD 110 SURVEY OF COMMUNICATION DISORDERS 3**  
Objectives of Survey Communication Disorders are to (1) give a general overview of the Speech-Language Pathology Professional (Assistant) profession, (2) describe the SLPP Program offered in North Dakota, (3) present the legal and academic requirements to earn the SLPP Certificate, and (4) introduce the various disorders encountered in Communication Disorders.

**CD 210 INTRO TO SPEECH PATHOLOGY 3**  
Prerequisite: CD 110. A survey of various communication disorders: language phonology, fluency, voice, hearing impairment, cleft palate, cerebral palsy, aphasia. Ten hours of clinical observation are required.

**CD 220 APPLIED PHONETICS FOR SPEECH-LANG. PATH. ASSIS. 3**  
The purpose of this course is to study the production and perception of speech sounds and to learn to transcribe spoken language. It will include learning and using the International Phonetic Alphabet (IPA) to transcribe both normal and disordered speech production.

**CD 221 LANG. DEVELOP. FOR SPEECH-LANG. PATH. ASSIST. 3**  
Prerequisite: Admission to the SPLA program. The study of those events and processes which combine in relatively predictable and observable ways and are evidenced in the acquisition of language.

**CD 222 ARTICULATORY/PHONOLOGICAL DISORDERS FOR SPEECH-LANGUAGE ASSISTANT** 3  
A study of normal articulatory phonological development and the types, causes, and treatment of Articulatory-Phonological disorders. Ten hours of clinical observation are required.

**CD 224 TECHNIQUES FOR SPEECH-LANG. PATH. ASSIST. 3**  
Therapy approaches and techniques for planning and carrying out clinical practicum designed for assistants.

**CD 225 LANG. DISORDERS AND TREATMENT FOR THE SLPA 3**  
The study of deviant language patterns in school-aged children and language differences among varied cultures. Evidence based intervention techniques and strategies for children with language impairments will be covered.

**CD 241 PRACTICUM** 4  
Prerequisite: CD 221. Practicum field experience requiring the student to complete 100 clock hours of speech therapy in a public school. The 100 hours must be direct contact hours with students under the supervision of master's degree Speech-Language Pathologist. Staffing, IEP meetings, pre-therapy preparation, shadowing, etc. should not be included as part of the 100 hours requirement.

**CD 242 AUDIOLOGY FOR SPEECH-LANG. PATH. ASSISTANT 2**  
This course is designed to introduce the paraprofessional to the basic anatomy of the hearing mechanism. Information will also be presented about hearing disorders, basic audiometric test procedures, and educational, medical, and technological intervention procedures.

## COMPUTER INFORMATION SYSTEMS

**CIS 102 COMPUTER SOFTWARE APPLICATIONS-WORD** 2  
Provides hands-on operation of microcomputer equipment with the word processing software Microsoft Word for Windows.

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<b>CIS 104 MICROCOMPUTER DATABASE-ACCESS</b>	<b>3</b>	<b>CIS 215 IMPLEMENTING MS WINDOWS SERVER</b>	<b>3</b>
This course is designed to teach database concepts, the use of database software, and the types of applications adaptable to this software.		This course introduces the learner to the Microsoft Windows Server and the networking technologies it supports. The learner will become familiar with networking and operating system concepts and the common tasks required to administer and support the Microsoft Windows operating system in a network environment.	
<b>CIS 105 MICROCOMPUTER SPREADSHEETS-EXCEL</b>	<b>2</b>	<b>CIS 216 IMPLEMENT. MS WINDOWS NETWORK INFRASTRUCT.</b>	<b>3</b>
Provides hands-on experience in the use of spreadsheet software.		This course is for professionals who will be responsible for configuring, managing, and troubleshooting a network infrastructure that uses the Microsoft Windows Server products. These tasks include implementing routing; implementing, managing, and maintaining Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS) and Windows Internet Name Service (WINS); and implementing a network access infrastructure by configuring the connections for remote access clients.	
<b>CIS 107 TIME MANAGEMENT SOFTWARE-OUTLOOK</b>	<b>2</b>	<b>CIS 218 PLANNING A NETWORK INFRASTRUCTURE</b>	<b>3</b>
Microsoft Outlook Core course to increase the possibility of a student gaining MOUS Master certification.		This course is for professionals who will be responsible for installing, configuring, managing, and supporting the primary networking services in the Microsoft Windows Server operating system. These core networking services include: Domain Name System (DNS), Windows Internet Naming Service (WINS), Routing and Remote Access Service (RRAS) Network security technologies.	
<b>CIS 128 MICROCOMPUTER HARDWARE I</b>	<b>3</b>	<b>CIS 220 OPERATING SYSTEMS-UNIX</b>	<b>3</b>
Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. The students, through hands-on activities and labs will: learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition this course helps students prepare for the CompTIA A+ certification.		This course is designed to acquaint the student with the UNIX operating system. It will provide practical skills in using UNIX commands and utilities, including editors and file system management.	
<b>CIS 129 MICROCOMPUTER HARDWARE II</b>	<b>3</b>	<b>CIS 232 GRAPHIC DESIGN</b>	<b>3</b>
Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. The students, through hands-on activities and labs will: learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, this course helps students prepare for the CompTIA A+ certification.		Learn the fundamentals of Adobe Photoshop. Students will learn the essentials of digital imaging, including color models and theory, resolution types, color correction tools, and much more.	
<b>CIS 130 PRESENTATIONS</b>	<b>2</b>	<b>CIS 233 VECTOR GRAPHICS AND WEB ANIMATION</b>	<b>3</b>
This class provides hands-on production of searching, creating, and delivering electronic business presentation projects using Microsoft PowerPoint and other graphic packages.		Student will learn how to design vector graphics for animation, presentation, application and Web sites using Macromedia Flash.	
<b>CIS 147 PRINCIPLE OF INFORMATION SECURITY</b>	<b>3</b>	<b>CIS 235 ADVANCED GRAPHIC DESIGN</b>	<b>3</b>
Provides information systems students with a thorough examination of the field of information security and prepares them to make decisions about securing information in a business or personal environment.		This course covers advanced theories and practices in the field of computer design. Emphasis is placed on advanced use of color palettes, layers, and paths. Upon completion, students will be able to creatively produce designs and articulate their rationale. Additionally, students will be able to utilize the design process throughout the project and understand that the computer is the tool.	
<b>CIS 162 OPERATING SYSTEMS-WINDOWS</b>	<b>3</b>	<b>CIS 250 ADVANCED WEB DESIGN</b>	<b>3</b>
Basic introduction to Windows operating systems. The course will enable students to manipulate the Window desktop, start up and use Windows applications, move and cut and paste between applications, use and manage files, printing, and use the control panel to customize the desktop.		Prerequisite: CIS 180. Continued coverage of web design using more advanced tools.	
<b>CIS 164 NETWORKING FUNDAMENTALS I</b>	<b>3</b>	<b>CIS 267 INTERMEDIATE NETWORKING I</b>	<b>3</b>
This course focuses on the following: network terminology and protocols, local area networks (LANs), wide area networks (WANs), open system interconnection (OSI) models, cabling, cabling tools, routers, router programming, Ethernet, Internet Protocol (IP) addressing, and network standards.		Prerequisite: CIS 165. This course focuses on the following advanced IP addressing techniques: Variable Length Subnet Masking (VLSM), intermediate routing protocols, command-line interface configuration of switches, Ethernet switching, Virtual LANS (VLANs), Spanning Tree Protocol (STP), VLAN Trunking Protocol (VTP).	
<b>CIS 165 NETWORKING FUNDAMENTALS II</b>	<b>3</b>	<b>CIS 268 INTERMEDIATE NETWORKING II</b>	<b>3</b>
Prerequisite: CIS 164. This course focuses on the following: initial router configuration, Cisco IOS software management, routing protocol configuration, TCP/IP, access control lists (ACLs). Students will develop skills in configuring a router, managing Cisco IOS Software, configuring routing protocols, and creating access lists that control access to a router.		Prerequisite: CIS 267. This course focuses on the following advanced IP addressing techniques: Network Address Translation (NAT), Port Address Translation (PAT), DHCP, WAN technology and terminology, PPP, ISDN, DDR, frame relay, network management, and introduction to optical networking. In addition the student will prepare for taking the CCNA Exam.	
<b>CIS 180 CREATING WEB PAGES</b>	<b>3</b>	<b>CIS 299 SPECIAL TOPICS</b>	<b>1-4</b>
The learner will create basic web sites by manually writing HTML/XHTML and Cascading Style Sheets (CSS) using a text editor. The student will learn the fundamentals of site layout and design, and how to upload completed web sites to a remote server. Other skills used include critical thinking by solving problems with coding syntax and viewing websites "live" on the World Wide Web.		Prerequisite: Departmental approval. Various topics in the area of computer application technology. The course can be repeated in accordance with department specifications.	
<b>CIS 181 CREATING WEB PAGES II</b>	<b>3</b>		
Prerequisite: CIS 180. Students create web sites using a current version of graphical user interface (GUI) web authoring tool.			
<b>CIS 202 ADVANCED SOFTWARE APPLICATIONS</b>	<b>2</b>		
Prerequisites: CIS 102 and CIS 105. This class will provide students with instruction and projects using the advanced features in Microsoft Word and Microsoft Excel.			
<b>CIS 211 WEB PLAN AND DESIGN</b>	<b>3</b>		
This course provides the learner with an in-depth study of the planning and design methods that are utilized in web page creation.			
<b>CIS 212 MS WINDOWS OS CLIENT</b>	<b>3</b>		
The course helps learners to gain the knowledge and skills to install, configure, customize, optimize, and troubleshoot the Microsoft Windows operating system in a stand-alone and network environment.			
		<b>COMPUTER SCIENCE</b>	
		<b>CSCI 101 INTRODUCTION TO COMPUTERS</b>	<b>3</b>
		General hardware and software issues such as: terminology, environments. Applications such as: word processing, spreadsheets, databases, Internet usage.	
		<b>CSCI 122 VISUAL BASIC</b>	<b>3</b>
		Introduction to programming in the Basic/Visual Basic language.	
		<b>CSCI 124 BEGINNING C++/VISUAL C++</b>	<b>3</b>
		Introduction to programming in the C++/VISUAL C++ language.	

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- CSCI 127 BEGINNING JAVA/J++** 3  
Introduction to programming in the Java/J++ language.
- CSCI 160 COMPUTER SCIENCE I** 4  
An introduction to computer science including problem solving, algorithm development, and structure programming in the high-level language. Emphasis on design, coding, testing, and documentation of programs using accepted standards of style.
- CSCI 161 COMPUTER SCIENCE II** 4  
Prerequisite: CSCI 160. Advanced concepts in computer science including data structures, algorithm analysis, standard problems such as searching and sorting, and memory management issues.
- CSCI 172 INTERMEDIATE VISUAL BASIC** 3  
Prerequisite: CSCI 122. Intermediate-level programming in the Basic/Visual Basic language.
- CSCI 174 INTERMEDIATE C++/VISUAL C++** 3  
Intermediate-level programming in the C++/Visual C++ language.
- CSCI 289 SOCIAL IMPLICATIONS OF COMPUTER TECHNOLOGY** 2  
An introduction to the effects of computer technology on society and individuals and to ethical problems faced by computer professionals. Topics covered include: privacy, the nature of work, centralization versus decentralization, and the need for human factors analysis in the development of a new computer system.
- CSCI 299 SPECIAL TOPICS** 1-4  
Prerequisite: Departmental approval. A course designed to meet students' needs or interests.

## COOPERATIVE EDUCATION

- COOP 197 COOPERATIVE EDUCATION/INTERNSHIP** 1/2-6  
Provides opportunities to explore career interests and develop professional skills through work experiences. Work under the supervision of the employer and the instructor while receiving credit. Repeatable for credit. S/U grading only.

## CRIMINAL JUSTICE

- CJ 201 INTRODUCTION TO CRIMINAL JUSTICE** 3  
Examination of the criminal justice system and process, including crime, lawmaking, criminality, prosecution, police, courts, and corrections.

## DIESEL TECHNOLOGY

- DTEC 106 INTRO TO DIESEL ENGINES** 4  
Corequisite: DTEC 107 and DTEC 126, or instructor permission. This course focuses on the understanding, diagnosis, and repair of fuel and ignition computerized components across the broad spectrum of the heavy duty industry utilizing industry standards, techniques, and equipment.
- DTEC 107 BASIC ELECTRICAL SYSTEMS** 5  
Corequisite: DTEC 106 and DTEC 126, or instructor permission. This course focuses on the principles and fundamentals of basic electricity and electronics utilizing industry standards, techniques, and equipment in preparation for advanced courses of trouble shooting and repair.
- DTEC 126 INTRO/FUEL/IGNITION SYSTEMS** 6  
Corequisite: DTEC 106 and DTEC 107, or instructor permission. This course focuses on the principles and fundamentals of fuel and ignition systems utilizing industry standards, techniques, and equipment in preparation for advanced courses of troubleshooting and repairs.
- DTEC 127 HYDRAULICS/PNEUMATICS SYSTEMS** 4  
Corequisite: DTEC 136 and DTEC 137, or instructor permission. This course focuses on the principles and fundamentals of hydraulics and pneumatics utilizing industry standards, techniques, and equipment in preparation for advanced courses of trouble shooting and repair.
- DTEC 136 BRAKE SYSTEMS** 5  
Corequisite: DTEC 127 and DTEC 137, or instructor permission. This course focuses on the understanding, diagnosis, and repair of heavy duty brake systems utilizing industry standards, techniques, and equipment.
- DTEC 137 SUSPENSION AND STEERING SYSTEMS** 6  
Corequisite: DTEC 127 and DTEC 137, or instructor permission. This course

- focuses on the understanding, diagnosis, and repair of suspension and steering system utilizing industry standards, techniques, and equipment.
- DTEC 216 ADVANCED ELECTRONIC/FUEL SYSTEMS** 4  
Corequisite: DTEC 217 and DTEC 220, or instructor permission. This course focuses on the understanding, diagnosis, and repair of fuel and ignition computerized components across the broad spectrum of the heavy duty industry utilizing industry standards, techniques, and equipment.
- DTEC 217 HEATING, VENT., AIR COND. AND COOLING SYSTEMS** 5  
Corequisite: DTEC 216 and DTEC 220, or instructor permission. This course focuses on the principles and repair of heating, ventilation, air conditioning, and cooling systems utilizing industry standards, techniques, and equipment.
- DTEC 220 DRIVE TRAIN SYSTEM** 6  
Corequisite: DTEC 216 and DTEC 217, or instructor permission. This course focuses on the understanding, diagnosis and repair of drive train systems across the broad spectrum of the heavy duty industry utilizing industry standards, techniques, and equipment.
- DTEC 266 SHOP PRACTICES/WELDING** 4  
Corequisite: DTEC 267 and DTEC 296 or instructor permission. This course focuses on shop practices such as repair order writing, customer relation, business practices, and welding techniques.
- DTEC 267 DIESEL ENGINE DIAG/REPAIR** 5  
Corequisite: DTEC 266 and DTEC 296, or instructor permission. This course focuses on the understanding, diagnosis and repair of diesel engine systems across the broad spectrum of the heavy duty industry utilizing industry standards, techniques, and equipment.
- DTEC 296 MAINTENANCE PROCEDURES** 6  
Corequisite: DTEC 266 and DTEC 267, or instructor permission. This course focuses on maintenance procedures across the broad spectrum of the heavy duty industry utilizing industry standards, techniques, and equipment.

## ECONOMICS

- ECON 105 ELEMENTS OF ECONOMICS** 3  
Survey of economic principles for students planning no further formal study of economics; analysis of factors influencing aggregate levels of output, employment, and prices; introduction to U.S. monetary system; price determination and resource allocation under competitive and monopolistic conditions; review of selected contemporary economic issues.
- ECON 201 PRINCIPLES OF MICROECONOMICS** 3  
Nature, method, and scope of economic analysis; economic scarcity, resources, specialization and division of labor, supply and demand, production and cost, technology, product and resource market structures, distribution of income, and international trade.
- ECON 202 PRINCIPLES OF MACROECONOMICS** 3  
Analysis of aggregate levels of income and employment, inflation, monetary and fiscal policy, economic growth and development, international finance, and comparative economic systems.

## EDUCATION

- EDUC 250 INTRODUCTION TO TEACHING** 2  
Corequisite: EDUC 298. A study of teaching as a profession, including historical, philosophical, and social and psychological foundations of education.
- EDUC 298 PRE-PROFESSIONAL EXPERIENCE** 1  
Corequisite: EDUC 250. Field-based observation of teaching.

## ENGINEERING

- ENGR 100 INTRODUCTION TO ENGINEERING** 1  
Introduces students to the profession, including the disciplines of chemical, civil, electrical, environmental, and mechanical engineering. Field trips included.
- ENGR 101 GRAPHICAL COMMUNICATION** 3  
Development of visualization, technical communication, and documentation skills. 3-D geometric modeling as applied to CADD applications using current methods and techniques commonly found in

# WSC [COURSE DESCRIPTIONS]

industry. Introduction to engineering, design and team problem solving.

**ENGR 201 STATICS** 3  
Vector approach to principles of statics; resultants of force systems, equilibrium of force systems, analysis of structures, centroids, and moments of inertia.

**ENGR 202 DYNAMICS** 3  
Vector approach to principles of dynamics; rectilinear and curvilinear translation, rotation, plane motion, force-mass-inertia, work-energy, and impulse-momentum.

## ENGLISH

**ENGL 110 COLLEGE COMPOSITION I** 3  
Prerequisite: ACT/COMPASS passing scores or satisfactory completion of ASC 087. First course in sequence. Inventing, planning, drafting, writing, and revisiting different essay types for a variety of audiences and a variety of contexts. Close reading and analysis. Introduction of finding and evaluating information. Collaborative invention and revision techniques. Fall, Spring, Summer

**ENGL 120 COLLEGE COMPOSITION II** 3  
Prerequisite: ENGL 110 with a minimum grade of 'C'. Second course. Writing academic essays or other genres with clarity and accuracy after learning and practicing stages of writing. Close reading, analyses, appreciation. Finding, evaluating, integrating, acknowledging sources. Collaborative invention and revision techniques. Fall, Spring, Summer

**ENGL 125 INTRODUCTION TO PROFESSIONAL WRITING** 3  
Prerequisite: ACT/COMPASS passing scores or satisfactory completion of ASC 087 or ENGL 110. Effectively communicating a particular message to a particular audience in a style and format consistent with the demands of a professional or technical setting.

**ENGL 211 INTRODUCTION TO CREATIVE WRITING** 3  
Guided practice of writing skills related to the imaginative uses of language.

**ENGL 220 INTRODUCTION TO LITERATURE** 3  
Reading and discussion of representative samples of poetry, drama, fiction, nonfiction, and film, with emphasis on the use of common literary terminology.

**ENGL 222 INTRODUCTION TO POETRY** 3  
This course provides an opportunity to develop an understanding of the skills of reading and writing poetry.

**ENGL 225 INTRODUCTION TO FILM** 3  
This course provides the opportunity for the study of filmed drama, especially motion pictures, as a literary form.

**ENGL 238 CHILDREN'S LITERATURE** 3  
This course will include the reading of texts suitable for reading by elementary school-age children and will emphasize analysis of characteristics of literature which determine age-appropriateness.

**ENGL 261 AMERICAN LITERATURE I** 3  
Examines representative readings in English written by Americans from the British Colonial Period until the Civil War.

**ENGL 262 AMERICAN LITERATURE II** 3  
Study of American writers and writing; begins with selected major works since the Civil War, continuing to the present.

**ENGL 265 NATIVE AMERICAN LITERATURE** 3  
A broad survey of Native American Literature beginning with legends and tales from the oral tradition and ending with contemporary literature written in English by and about Native Americans.

**ENGL 299 SPECIAL TOPICS** 1-3  
Prerequisite: Departmental approval. Topic courses have varying areas of content, issues, or themes.

## GEOGRAPHY

**GEOG 161 WORLD REGIONAL GEOGRAPHY** 3  
Study of geographic processes shaping major world regions and inter-relationships in the global village; geographic bases and implications of current world events.

**GEOG 263 GEOGRAPHY OF NORTH DAKOTA** 3

Study of the interrelationships that exist between North Dakota's physical and cultural environments. Specific topics include physiography, climate, flora, prehistoric occupation, historic development, demography, and economic structures.

## GEOGRAPHIC INFORMATION SYSTEMS

**GIS 105 FUNDAMENTALS OF GIS** 3

**AN INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)**  
A tool for integrating and analyzing spatial data to visualize relationships, seek explanations, and develop solutions to problems. Emphasis is placed on the nature of geographic information, and the ways in which digital methods support geographic analysis and modeling. Course will be divided between lecture and lab sessions. This course is open to GIS and non-GIS majors. Introduction to Computers (CSCI 101) or a working knowledge of Microsoft Windows is required.

**GIS 107 GEOGRAPHIC INFO. SYSTEM APPLICATIONS** 3  
This course will provide an introduction to theory and hands-on experience in GIS techniques using ArcGIS software. This course applies fundamental GIS concepts to creating, editing, and querying spatial data. The course will include an introduction to map projections and coordinate systems; data capture; attribute tables; data manipulation, remote sensing, aerial and satellite imagery; using Global Position Systems (GPS) and transferring data to GIS; vector and raster data, and the basics of creating aesthetically pleasing maps and charts. Students will analyze spatial relationships and make decisions from presented information through various geoprocessing techniques. This course will include lab, field, and project work.

**GIS 245 ADVANCED APPLICATIONS IN GIS** 3  
An advanced hands-on applications course designed to extend GIS experience and knowledge and prepare students in becoming self-sufficient GIS technicians. The course follows a hands-on problem solving approach that integrates the interests and analytical needs of participating students. This class will be divided between lecture and lab sections.

**GIS 299 SPECIAL TOPICS IN GIS** 3  
Prerequisite: Departmental approval. Various topics in the area of geographic information systems and global positioning technology. The course can be repeated in accordance with specific department specifications.

## GEOLOGY

**GEOL 105 PHYSICAL GEOLOGY L/L** 4  
A lecture and laboratory study of the Earth as a physical body; its structure, composition, and the geologic processes action on and within the Earth.

**GEOL 299 SPECIAL TOPICS** 1-3  
Prerequisite: Departmental approval. Designed to meet students special needs and interests.

## GERMAN

**GERM 101 FIRST YEAR GERMAN I** 4  
Pronunciation and fundamental grammatical principles introduced through the development of skills in listening, comprehension, and speaking, followed by practice in reading and writing.

**GERM 102 FIRST YEAR GERMAN II** 4  
Prerequisite: GERM 101. Continued study of pronunciation and fundamental grammatical principles introduced through the development of skills in listening, comprehension, and speaking, followed by practice in reading and writing.

**GERM 201 SECOND YEAR GERMAN I** 4  
Review of the structure of the language. Practice in oral and written expression and reading in German.

**GERM 202 SECOND YEAR GERMAN II** 4  
Prerequisite: GERM 201. Review of the structure of the language. Practice in oral and written expression and reading in German.



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## HEALTH, PHY. EDUCATION, & RECREATION

**HPER 100 CONCEPTS OF FITNESS & WELLNESS 2**  
Study designed to introduce students to concepts of holistic living. Focus is on self-evaluation and personal program planning emphasizing the relation of lifestyle choices to optimal wellness.

**HPER 101 ACTIVITY: INTRODUCTORY LEVEL 1**  
Students may select from the following: aerobic fitness, archery, aqua dynamics, badminton, basketball, bowling, canoeing, curling, dance, fitness walking, golf, racquetball, social dance, softball, swimming, taekwondo, tennis, volleyball, wallyball, water fitness, weight training, social games, and others as determined by department. Repeatable for credit.

**HPER 102 ACTIVITY: INTERMEDIATE LEVEL 1/2-1**  
Students may select from the following: aerobic fitness, archery, aqua dynamics, badminton, basketball, bowling, canoeing, curling, dance, fitness walking, golf, racquetball, social dance, softball, swimming, taekwondo, tennis, volleyball, wallyball, water fitness, weight training, social games, and others as determined by department. Repeatable for credit.

**HPER 103 ACTIVITY: ADVANCED LEVEL 1/2-1**  
Students may select from the following: aerobic fitness, archery, aqua dynamics, badminton, basketball, bowling, canoeing, curling, dance, fitness walking, hiking, golf, racquetball, social dance, softball, swimming, taekwondo, tennis, volleyball, wallyball, water fitness, weight training, social games, and others as determined by department. Repeatable for credit.

**HPER 126 LIFETIME FITNESS 2**  
Designed to help students understand the basis of physical fitness and to provide information for developing a program of exercise and physical activity that meets the lifetime needs of each student.

**HPER 211 CPR 1/2**  
Prerequisite: Previous certification in CPR. Basic knowledge and skills in dealing with CPR for adult, child, and infant.

**HPER 208 INTRODUCTION TO PHYSICAL EDUCATION 3**  
Specific information about the nature of the field, its opportunities, rewards, and the requirements of a sound program of professional preparation.

**HPER 210 FIRST AID & CPR 1**  
Basic knowledge and skills in dealing with emergency medical situations; includes CPR instruction. Red Cross Certification available. Open to all students. This class requires a \$35.00 course fee.

**HPER 217 PERSONAL AND COMMUNITY HEALTH 3**  
Overview of factors affecting wellness; topics include mental and physical health, relationships and sexuality, drugs, diseases, and aging; emphasis on the impact of individual decisions on level of holistic wellness.

**HPER 218 PERSONAL TRAINER PREPARATION 3**  
A semester-long course that will prepare the student for the Personal Trainer Certification Exam from the National Council on Strength and Fitness. Learn the biomechanics of the human body and its response to exercise based on an individual's age and fitness level. Gain knowledge of resistance training, flexibility instruction, body composition testing, and various assessment techniques.

**HPER 250 VARSITY ATHLETICS 1**  
Daily practice and participation in intercollegiate athletics, including baseball, basketball, golf, and volleyball. Repeatable for credit.

**HPER 299 SPECIAL TOPICS 1-3**  
Prerequisite: Departmental approval. Designed to meet student's needs or interests. Uses participating faculty resources. Topics to be selected on interest and relevance to needs.

## HISTORY

**HIST 101 WESTERN CIVILIZATION I 3**  
Interpretive survey of cultural continuity from 3000 B.C. to the end of the European Middle Ages (c. 1500).

**HIST 102 WESTERN CIVILIZATION II 3**  
An interpretive survey course with an emphasis on various intellectual, political, economic and social movements in Western Europe from the late 15th Century into the 20th Century.

**HIST 103 UNITED STATES TO 1877 3**  
Survey of early American history, including old world background,

transformations of British institutions into American institutions, revolution, and the establishment of the Union with its temporary breakup in the Civil War.

**HIST 104 UNITED STATES SINCE 1877 3**  
This is a survey of American History spanning the post-Civil War period, the late 19th Century and into the 20th Century. It notes the transformation of an isolationist, agrarian nation into an urban, industrial, and world power; with an emphasis of the resulting domestic maladjustments [or societal unrest].

**HIST 220 NORTH DAKOTA HISTORY 3**  
A survey emphasizing settlement and development, noting the consequences of the state's climate and settlers on the situation in which it now finds itself. Special attention is paid to the Nonpartisan League and the evolution of isolationist sentiment among North Dakotans.

**HIST 223 HISTORY OF THE LEWIS & CLARK EXPEDITION 3**  
A historical overview of the motivation, preparations, and exploits of the 'Corps of Discovery' (1804-1806) led by Meriwether Lewis and William Clark. Their successes, failures, and legacies will be examined.

**HIST 228 SELECTED READINGS IN EUROPEAN HISTORY 1-3**  
Under arrangement and advisement by the instructor, students may earn credit by doing research and reading in specialized areas and presenting the findings in formally written reviews.

**HIST 229 SELECTED READINGS IN AMERICAN HISTORY 1-3**  
Under arrangement and advisement by the instructor, students may earn credit by doing research and reading in specialized areas and presenting the findings in formally written reviews.

**HIST 257 THE COLD WAR 3**  
This course is an examination of the historical backgrounds, motivations/ actions, and key events of a period colloquially termed "The Cold War;" primarily the relations between the United States and the Soviet Union, on a global scale, from the year 1945 through the 1990's.

**HIST 299 SPECIAL TOPICS 1-3**  
Prerequisite: Departmental approval. Designed to meet students' needs or interests; utilize particular faculty expertise in a varied environment.

## HUMANITIES

**HUMS 210 INTEGRATED CULTURAL STUDIES 2-3**  
Interdisciplinary class designed to provide basic conversational language skills while studying culture and geography of a designated society.

**HUMS 211 INTEGRATED CULTURAL EXCURSION 1**  
Intensive study session within the society studied in Integrated Cultural Studies; tour the society to attain first hand exposure to the culture while using language skills. S/U grading only.

**HUMS 251 HUMANITIES SURVEY: MYTHICAL REALITIES & THE CLASSICAL WORLD 3**  
The first in a series of three humanities survey courses which may be taken independently. Examines the development of ancient myths in Mesopotamia, Greece, Rome, and the Pre-European America, and the roles those myths played, as well as exploring the effects of the emphasis on reason in both Greek and Roman cultures by focusing on architecture, art, literature, theater, history, theology, and philosophy of the mythological and classical world.

**HUMS 252 HUMANITIES SURVEY: MEDIEVAL SOLUTIONS & RENAISSANCE ACHIEVEMENTS 3**  
The second in a series of three humanities survey courses which may be taken independently. Focuses on the rise of Christian, Islamic, and secular cultures after the fall of Rome, as well as traces the developing emergence, and eventual achievements, of the Italian and Northern Renaissance by examining the art, music, architecture, history, literature, theology, and philosophy of the post-classical world.

**HUMS 253 HUMANITIES SURVEY: MODERN REVOLUTIONS & CONTEMPORARY PROBLEMS 3**  
The third in a series of three humanities survey courses which may be taken independently. Covers the emergence of science and reason as the modern catalyst for revolution, traces the reaction of romanticism and realism to the Enlightenment world view, and attempts to understand the basis for the contemporary problems humanity faces by studying the philosophical, literary, architectural, historical, artistic, theological, and musical expressions

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of the last four centuries.

**HUMS 290 SPECIAL TOPICS FOR HONOR STUDENTS** 1  
Phi Theta Kappa honor students with a GPA of 3.3 or higher may receive one or two credits by earning points in the four hallmark areas established by the national group: scholarship, leadership, fellowship, and service. The hallmark areas must emphasize the topic chosen by the national group on a yearly basis. Repeatable for credit.

**HUMS 299 SPECIAL TOPICS** 1-4  
Prerequisite: Departmental approval. Designed to meet students' needs or interests; utilize particular faculty expertise in a varied environment.

## MASSAGE THERAPY

**MASG 101 INTRODUCTION TO MASSAGE THERAPY** 2  
An overview of the field of massage therapy. Topics covered include historical perspectives on massage, ethics and legalities, universal precautions, indications and contraindications, communication and documentation, reimbursement issues, informed consent, practice environments, and general policies and procedures in running a massage therapy practice.

**MASG 120 SWEDISH MASSAGE I** 3  
Prerequisite: Admission to the Massage Therapy Program. The technique of traditional (Swedish) massage is presented. Students will learn the theory and practice the application of Swedish massage techniques including, but not limited to, effleurage, petrissage, tapotement. Students will also learn the theory and application of proper body mechanics, positioning, and draping. Primary emphasis will be in the application of these techniques to the lower extremities and back region.

**MASG 121 MASSAGE THERAPY CLINICAL I** 1 1/2  
Prerequisite: Admission to the Massage Therapy Program. Students will obtain clinical practice in the application of massage techniques studied in MASG 120 and MASG 150. Students are required to complete a minimum of fifty hours of massage technique. Twenty-five hours will be completed under the supervision of the instructor and twenty-five hours will be completed independently. Students will practice obtaining medical histories and documenting services provided.

**MASG 150 KINESIOLOGY TECHNIQUES I** 3  
Prerequisite: Admission to the Massage Therapy Program. Students will learn the assessment process including manual muscle testing as it applies to massage therapy. Students will study surface anatomy and identification of landmarks. The appropriate techniques of stretching hypomobile tissues will be presented.

**MASG 160 CLINICAL TOPICS** 2  
Prerequisite: Admission to the Massage Therapy Program. Students will be introduced to topics relevant to practice that benefit both the student and clients. This course will address topics such as: pharmacology, documentation, ethics, standards of practice, state laws, and additional topics, if allowed by time.

**MASG 220 SWEDISH MASSAGE II** 3  
Prerequisite: Admission to the Massage Therapy Program. Students continue the application of techniques and theory of Swedish massage. Students will apply these techniques to the remaining regions of the body.

**MASG 221 MASSAGE THERAPY CLINICAL II** 3  
Prerequisite: Admission to the Massage Therapy Program. Students will obtain additional clinical practice in the application of massage techniques studied in MASG 120, 150, 220, and 250. Students are required to complete a minimum of one hundred hours of massage technique. Fifty hours will be completed under the supervision of the instructor and fifty hours will be completed independently. Students will practice obtaining medical histories and documenting services provided.

**MASG 240 THE BUSINESS OF MASSAGE** 2  
Prerequisite: Admission to the Massage Therapy Program. Students will learn how the basics of business apply to running your own business. Topics covered include: career options, therapeutic relationships, the business setting, self-care, managing a business, advertising and marketing, and professionalism.

**MASG 250 KINESIOLOGY TECHNIQUES II** 3  
Prerequisite: Admission to the Massage Therapy Program and MASG 150. Students will learn the theory and practice the application of the assessment process including muscle testing as it applies to massage

therapy. Students will study surface anatomy and identification of landmarks.

**MASG 260 ADVANCED MASSAGE TECHNIQUES** 4  
Pre-requisite: Admission to the Massage Therapy Program. Students will learn a variety of techniques that complement Swedish Massage including: trigger points, counterstrain, muscle energy technique, sports massage, PNF, traditional Chinese medicine, essential oils, heats & colds, lymphatic drainage, craniosacral, Ayurveda, and reflexology.

**MASG 270 PROFESSIONAL CONFERENCE** 1  
Prerequisite: Admission to the Massage Therapy Program. Students will attend continuing education conference to familiarize themselves with the continuing education process.

## MATHEMATICS

**MATH 103 COLLEGE ALGEBRA** 3  
Prerequisite: ASC 093 or placement. Relations and functions, equations and inequalities, complex numbers; polynomial, rational, exponential and logarithmic functions; systems of equations, matrices and determinants, sequences and summation.

**MATH 105 TRIGONOMETRY** 2  
Prerequisite: Math 103 or placement. Angle measure, trigonometric and inverse trigonometric functions, trigonometric identities and equations, parametric and polar coordinates, and general applications.

**MATH 107 PRE-CALCULUS** 4  
Prerequisite: ASC 093 or placement. Equations and inequalities, polynomial, rational, exponential, logarithmic, and trigonometric functions, and applications.

**MATH 139 APPLIED MATH FOR NURSES** 2  
Prerequisite: Admission to the Nursing Program or department approval. A review of basic math skills as applied to drug dosage calculation (adult and pediatric), medication administration, a review of metric and apothecary systems, reading drug labels, and calculating intravenous flow rates and infusion times using dimensional analysis.

**MATH 146 APPLIED CALCULUS** 3  
Prerequisite: MATH 103 or placement. Limits, derivatives, integrals, exponential and logarithmic functions, and applications.

**MATH 165 CALCULUS I** 4  
Prerequisite: MATH 105 or MATH 107 or placement. Limits, continuity, differentiation, Mean Value Theorem, integration, Fundamental Theorem of Calculus, and applications.

**MATH 166 CALCULUS II** 4  
Prerequisite: MATH 165. Applications and techniques of integration, polar equations, parametric equations, sequences and series, power series, and applications.

**MATH 210 ELEMENTARY STATISTICS** 3  
Prerequisite: ASC 093 or placement. An introduction to statistical methods of gathering, presenting and analyzing data; estimating means, proportions, confidence intervals, and testing hypotheses; probability and probability distributions; and linear regression and correlation.

**MATH 265 CALCULUS III** 4  
Prerequisite: MATH 166. Multivariate and vector calculus including partial derivatives, multiple integration, applications, line and surface integrals, Green's Theorem, Stoke's Theorem, Divergence Theorem.

**MATH 266 INTRODUCTION TO DIFFERENTIAL EQUATIONS** 3  
Prerequisite: MATH 265 or department approval. Solution of elementary equations by elementary techniques, Laplace transforms, systems of equations, matrix methods, numerical techniques, and applications.

**MATH 277 MATH FOR ELEMENTARY TEACHERS I/L** 4  
Prerequisite: MATH 103. A mathematics course for prospective elementary school teachers. Topics include: problem solving, numeration systems, real numbers, elementary number theory, and proportional reasoning. Calculators, computers, and manipulatives are used in the course.

## MENTAL HEALTH/ADDICTION STUDIES

**MHA 201 MENTAL HEALTH I** 4  
Introduction to the current psychiatric categories and brief introduction



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of common diagnostic and functional assessment tools. Introduction to psychopharmacology.

**MHA 205 MENTAL HEALTH II** 4  
Introduction to therapeutic intervention, case management, multicultural issues, confidentiality, facilitating psycho-social groups (group dynamics), and advanced interviewing skills.

**MHA 210 ADDICTIONS I** 4  
Introduction to the theories of chemical addiction and dependence (12 step treatment), impact of drug abuse on individual, family and society. Native American issues will be addressed.

**MHA 215 ADDICTIONS II** 4  
Psychopharmacology, overview of assessment, patient placement and treatment planning procedures, activity planning, and laws and regulations.

**MHA 220 INTERNSHIP** 3  
100-hour internship in an approved mental health or addictions setting to provide students with an opportunity to develop and apply program-related competencies.

## MICROBIOLOGY

**MICR 202 MICROBIOLOGY** 3  
Prerequisite: Course in chemistry or biology. Topics include microbial survey, bacterial structure and physiology, viral and bacterial diseases, immune system, personal and community health. A study of the characteristics and importance of microorganisms with emphasis on their identification, control, and relationships to health and disease. This course and BIOL 302 are equivalent. A general survey on the morphology and physiology of selected microbes with major emphasis on the medical aspects of bacteria, viruses, and fungi to humans. Corequisite: MICR 202 Microbiology Lab

1. Gain an appreciation of the diversity of microbes; in the context of this course, "microbes" include diverse organisms, e.g., viruses, bacteria, fungi, protists, and small worms.
2. Describe the structure and function of microbes.
3. Understanding diagnostic tests and procedures used to identify microbes.
4. Understanding the relationship between microbes, disease and the disease process.
5. The role of microbes in microbial ecology.
6. Understanding the roles of microbes in community health.

**MICR 202L MICROBIOLOGY LAB 1**  
Prerequisite: Course in chemistry or biology. Topics include microbial survey, bacterial structure and physiology, viral and bacterial diseases, immune system, personal and community health. Experiments and exercises in Microbiology. A study of the characteristics and importance of microorganisms with emphasis on their identification, control and relationships to health and disease. This course and BIOL 302 are equivalent. A general survey on the morphology and physiology of selected microbes with major emphasis on the medical aspects of bacteria, viruses, and fungi to humans. Corequisite MICR 202 Microbiology Lecture

1. Gain an appreciation of the diversity of microbes; in the context of this course, "microbes" include diverse organisms, e.g., viruses, bacteria, fungi, protists, and small worms.
2. Describe the structure and function of microbes.
3. Understanding diagnostic tests and procedures used to identify microbes.
4. Understanding the relationship between microbes, disease and the disease process.
5. The role of microbes in microbial ecology.
6. Understanding the roles of microbes in community health.

## MUSIC

**MUSC 100 MUSIC APPRECIATION** 3  
Music appreciation for students without an extensive background in music.

**MUSC 101 FUNDAMENTALS OF MUSIC** 3  
Fundamentals of music, theoretical principles; music vocabulary for students without an extensive background in music.

**MUSC 111 APPLIED MUSIC (PRIVATE LESSONS)** 1  
Prerequisite: Consent of Instructor. Individual, private instruction in piano, guitar, organ, voice, or instrument. Lab fee required. Repeatable for credit. S/U grading only.

**MUSC 117 CONCERT CHOIR** 1  
Open to all interested students; mixed vocal group; includes sacred and secular music. Repeatable for credit.

**MUSC 140 ORCHESTRA** 1  
WSC Community Orchestra. Open to all interested musicians. Repeatable for credit.

**MUSC 142 CONCERT CHORALE** 1  
WSC Community Concert Chorale. Membership subject to approval of director. Repeatable for credit. S/U grading only.

**MUSC 145 APPLIED MUSIC** 1  
Individual, private instruction in piano, guitar, organ, voice, or instrument. Lab fee required. Repeatable for credit. S/U grading only.

**MUSC 155 SELECT SINGERS** 1  
Open to auditions from members of the concert choir. The select singers will be performing several different styles of music; including pop, jazz, folk songs, and ballads. Repeatable for credit.

**MUSC 160 CONCERT BAND** 1  
The study of instrumental music through group performance and rehearsal. A variety of band music will be introduced and performed at concerts and special events.

**MUSC 299 SPECIAL TOPICS IN MUSIC** 1  
Prerequisite: Departmental approval. A study of topics of current interest, including performance in community music groups. Admission by consent of department chair and instructor. Repeatable for credit.

## NURSING

**NURS 100 NURSE ASSISTANT TRAINING** 2  
This course is designed to prepare the student for certification as a nurse assistant. Units of study consist of the following: Introduction to long-term care, communication, infection control, safety, anatomy, physiology of aging, nutrition, skin care, and basic skills (personal care, transferring, positioning, vital signs, elimination, bed making). Course consists of classroom and supervised clinical practice.

**NURS 120 FOUNDATIONS OF NURSING** 3  
Prerequisite: Admission to the Practical Nursing Program. This course introduces concepts related to the practical nurse's roles and responsibilities in today's society. Emphasis is placed on effective communication, microbiology concepts, basic human needs, critical thinking, research, and ethical-legal and professional issues. Health promotion and disease prevention concepts are introduced. Upon completion the student will be able to understand the nursing process as it relates to the socially and culturally diverse clients along the health-illness continuum.

**NURS 121 PRACTICAL NURSING I** 3  
Prerequisite: Admission to the Practical Nursing Program. This course introduces students to core concepts of mental health nursing, nutrition, and health assessment as they related to the nursing profession. Students will learn concepts of mental health and mental illness, health promotion and disease prevention related to nutrition, and the data collection processes of health assessment.

**NURS 122 CLINICAL PRACTICE I** 3  
Prerequisite: Admission to the Practical Nursing Program. This course takes place in the nursing laboratory and in health care facilities. The student will apply social, biological, behavioral and nursing science principles as they are acquired in the Foundations of Nursing and Practical Nursing I courses. Basic nursing skills and procedures are demonstrated and applied in a supervised laboratory/clinical setting. Beginning Practical Nursing Students will begin to participate with the nursing process for clients across the lifespan.

**NURS 124 CLINICAL PRACTICE II** 3  
Prerequisite: Admission to the Practical Nursing Program. This course takes place in the nursing laboratory and in health care facilities. Additional

# WSC [COURSE DESCRIPTIONS]

nursing skills are introduced in the laboratory and applied in the clinical setting utilizing current technology. Clinical experiences will include nursing interventions, pain management, nutrition and drug therapy for disease and infectious processes of culturally diverse clients across the lifespan. Health promotion activities and disease prevention techniques will be incorporated into nursing care of the culturally diverse client. Mental health and therapeutic communication concepts are applied in caring for clients along the health illness continuum. Evidence based practice is applied in the holistic care of clients across the lifespan. Upon completion the student will assist in the nursing process as a member of the interdisciplinary health care team.

## **NURS 126 CLINICAL PRACTICE III 3**

Prerequisite: Admission to the Practical Nursing Program. This clinical takes place in a variety of clinical settings. The student will apply evidence based nursing knowledge and skills in caring for clients across the lifespan with stable or predictable health problems and assisting with those whose conditions are critical or unpredictable. Critical thinking, effective and therapeutic communication, nursing process, management of nursing care, and delegation of unlicensed assistive persons are incorporated into the clinical experience. The student will provide safe and effective nursing care in a legal and ethical manner for clients along the health-illness continuum as an interdisciplinary member of the health care team. Upon completion of this clinical course, the student will have the knowledge and experience to practice in the role of a practical nurse.

## **NURS 127 PRAC. NURSING II: INTRO. TO MED.-SURG. NURSING 2**

Prerequisite: Admission to the Practical Nursing Program. This didactic course expands on prior learning to increase evidence-based knowledge of nursing interventions, pain management, surgery, cancer, trauma and drug therapy for disease and infectious processes of the biopsychosocial individual along the health-illness continuum. This course will integrate teaching and learning activities that enhance critical thinking skills, involvement of clients in decision making, self-care, health promotion, disease prevention and intervention to responses to illness. Upon completion, the student will describe the application of the nursing process in caring for culturally unique clients across the lifespan in an ethical and legal manner.

## **NURS 129 PRACTICAL NURSING III 4**

Prerequisite: Admission to the Practical Nursing Program. This course will continue the learning of evidenced based nursing interventions, nursing process, nutrition and drug therapy for disease processes of the culturally diverse client across the lifespan along the health-illness continuum. Additional information presented will include accountability, roles, responsibilities and ethical, legal and professional issues of the entry level Practical Nurse. The principles of therapeutic communication are expanded and the impact of technology on nursing care is addressed.

## **NURS 145 INTRODUCTION TO MATERNAL-CHILD NURSING 2**

Prerequisite: Admission to the Practical Nursing Program. This didactic course focuses on nursing care of the culturally diverse woman, infant, and child. Emphasis is placed on health maintenance and selected study of diseases and disorders affecting women, infants, children, and families. Growth and development of the infant and child, and common childhood illnesses are presented. The importance of family-centered care and therapeutic communication is addressed. This course will integrate teaching and learning activities that enhance involvement of clients in decision-making, self-care, health promotion, and disease prevention.

## **NURS 224 PROFESSIONAL ROLE DEVELOPMENT 2**

Prerequisite: Admission to the Associate Degree Nursing Program. This Course is designed to assist the licensed practical nurse in transition to the role of the associate degree nurse. Emphasis is placed on the role of the registered nurse, evidence based practice, nursing process, and therapeutic communication. Historical trends of nursing will be discussed and management concepts will be introduced. Upon completion, students should be able to articulate professional aspects of the practice of nursing.

## **NURS 225 ALTERATIONS IN HEALTH I 3**

Prerequisite: Admission to the Associate Degree Nursing Program. This course introduces concepts related to the nursing care of individuals experiencing acute and chronic alterations in health that build on knowledge and skills introduced in practical nursing programs and the supporting sciences. Emphasis is placed on utilizing scientific principles and the nursing process as a framework for providing and managing nursing care to individuals along the health-illness continuum. Upon completion, students will incorporate basic decision making skills and therapeutic

communication to meet basic human needs for individuals experiencing acute and chronic alterations in health across the lifespan including end-of-life issues.

## **NURS 226 MATERNAL CHILD NURSING 3**

Prerequisite: Admission to the Associate Degree Nursing Program. This course integrates prior learning to provide expanded knowledge of the neonate, developing child, women's health, and childbearing family. Maintenance and study of diseases and disorders affecting diverse neonates, children, women and families along the health-illness continuum, including end of life issues, are examined. Emphasis is placed on therapeutic communication, the role of the registered nurse, ethical/legal issues and health promotion and maintenance during life stage of growth and development for the neonates, children and women. As a member of the interdisciplinary health care team, the student will explore the human needs of diverse neonates, children and women utilizing the nursing process as a framework.

## **NURS 227 CLINICAL APPLICATIONS I 4**

Prerequisite: Admission to the Associate Degree Nursing Program. Utilizing the nursing process the associate degree nursing student will administer care to meet the needs of individuals across the lifespan. The student will demonstrate assessment skills, and apply scientific principles and aseptic technique in caring for individuals across the lifespan along the health-illness continuum. The student will apply therapeutic communication in the management of patient care and as a member of the interdisciplinary health care team.

## **NURS 228 ALTERATIONS IN HEALTH II 4**

Prerequisite: Admission to the Associate Degree Nursing Program. This course continues the study of acute and chronic alterations in health. Nursing care of individuals experiencing complex alterations in health is discussed. Emphasis is placed on the nurse's role as a member of an interdisciplinary team and as a manager of care for individuals across the lifespan. The student will analyze personal and professional values, leadership and management, and quality improvement processes. Upon completion, students will be able to provide comprehensive nursing care for individuals with acute, chronic, and complex alterations in health.

## **NURS 229 HEALTH PROMOTION AND PSYCHOSOCIAL NURSING 2**

Prerequisite: Admission to the Associate Degree Nursing Program. This course includes concepts related to the nursing care of individuals experiencing alterations in social and psychosocial functioning. Utilizing the nursing process, the students will explore human needs of individuals with mental health alterations. Utilization of therapeutic communication techniques, use of self and cultural awareness is stressed. Emphasis is also placed on health promotion, health maintenance, and accident/illness prevention for diverse individuals across the lifespan.

## **NURS 237 CLINICAL APPLICATIONS II 5**

Prerequisite: Admission to the Associate Degree Nursing Program. Utilizing the nursing process, the associate degree nursing student will meet the needs of individuals experiencing complex alterations in health as well as psychiatric/mental health issues across the life span along the health-illness continuum. Critical thinking, nursing process, group dynamics and management of nursing care are incorporated into the clinical experience. Students will apply evidence based nursing knowledge and skills in the implementation of health promotion activities. The student will utilize therapeutic communication and effective management skills in providing nursing care according to legal/ethical and professional standards. 240 lab/clinical hours.

## **NURS 259 ROLE TRANSITIONS 1**

Prerequisite: Admission to the Associate Degree Nursing Program. This course assists the AD nursing student to prepare for the NCLEX RN ® examination and to become a member of the RN workforce. The theoretical component of this course will reinforce and complement prior knowledge gained in the nursing curriculum. Students will utilize the nursing process and critical thinking skills to review previously learned nursing concepts. The course will also provide the student with opportunities to apply basic interview techniques and resume preparation and develop skills for successful employment as a health care professional. It assists the student in making decisions concerning job choices and educational growth. The course stresses the requirement of ongoing education for the RN as a member of the health care team and benefits of professional organizations. Completion of the course will assist students to further prepare for the NCLEX RN ®. 48 lab hours.

## **NURS 299 SPECIAL TOPICS 1-4**

Where the people make [the difference].



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Prerequisite: Department approval. An examination of special topics in nursing under the advisement and direction of a nursing instructor.  
\*All Clinical experiences are based on a 1:3 credit to hour ratio.

## NUTRITION

- NUTR 222 CONTEMPORARY NUTRITION** 3  
An introduction to nutritional needs during different stages of life. This course looks at the different nutrients of food and how each is used by the body. Covers some eating disorders and food safety.
- NUTR 230 HERBS & SUPPLEMENTS** 2  
An overview of the effects of the more common herbs and supplements and conditions for use.
- NUTR 240 PRINCIPLES OF NUTRITION** 3  
Prerequisite: College course in Biology or Chemistry. Principles and concepts of nutrition throughout the life cycle for the purpose of health maintenance, prevention, and recovery of illness.

## OCCUPATIONAL SAFETY AND ENVIRONMENTAL HEALTH

- OSEH 120 INDUSTRIAL SAFETY** 3  
This course introduces the student to personal protective equipment and proper safety work practices and procedures commonly used in the oil & gas industry. Students will gain a working knowledge of standard safety practices set by the Occupational Safety and Health Administration.
- OSEH 299 SPECIAL TOPICS** 1/2-3  
Prerequisite: Departmental approval. Designed to meet student needs or interest. Offered to utilize particular faculty resources. Topics will be selected on interest and relevancy to students needs.

## PETROLEUM TECHNOLOGY

- CDL 299 SPECIAL TOPICS** 1/2-3  
Prerequisite: Departmental approval. Designed to meet students needs or interest. Offered to utilize particular faculty resources. Topics will be selected on interest and relevancy to student needs.
- ENRT 126 INSTRUMENTATION & CONTROLS** 4  
This course provides a comprehensive study of instrumentation components, controls theory, controls systems and typical controllers associated with the operation of energy facilities.
- ENRT 127 ELECTRICAL FUNDAMENTALS** 3  
This course covers basic direct current theories and applies those theories to the electrical systems and related equipment. Students will study methods of producing a voltage, such as batteries, magnetic fields, basic series, and parallel circuits. Students will also study basic DC circuit calculations. This course will also cover basic alternating current (AC) theories and applies those theories to the electrical systems and related equipment. Basic generator and motor design, construction, and operating principles will also be covered.
- OSEH 120 INDUSTRIAL SAFETY** 3  
This course introduces the student to personal protective equipment and proper work practices and procedures commonly used in the oil & gas industry. Students will gain a working knowledge of standard safety practices set by the Occupational Safety and Health Administration.
- PROP 201 PROCESS EQUIPMENT** 3  
This course is designed to explain the basic operating principles of equipment used in the process technology industry. Valves, piping, pumps, compressors, generators, motors, lubrication systems, heat exchangers, furnaces, boilers, cooling towers, separators, reactors and distillation columns. The mechanical design characteristics, scientific principles, and the interactions of the various pieces of equipment will be explored.
- PROP 299 SPECIAL TOPICS** 1/2-3  
Prerequisite: Departmental approval. Designed to meet students needs or interest. Offered to utilize particular faculty resources. Topics will be selected on interest and relevancy to student needs.
- PTLO 101 INTRODUCTION TO THE PETROLEUM INDUSTRY** 2  
An introduction to the various aspects of petroleum industry including equipment, systems, instrumentation, operations, and the various scientific

principles. Addresses a variety of petroleum technologies: exploration, drilling, production, transportation, marketing, and chemical processing industries. End-of-Course outcomes: Identify the concepts of exploration, production, refining, marketing, and transportation, and describe the terms and phrases associated with the petroleum industry.

- PTLO 120 RECOVERY & PRODUCTION METHODS** 3  
Petroleum recovery and production methods associated in the oil & gas industry. Students will be expected to describe natural reservoir drive mechanisms, and artificial lift methods; identify the components of lift surface systems; identify factors used to select life methods; and describe basic recovery methods.
- PTLO 121 PRODUCTION FIELD TECHNOLOGY** 3  
Students will study producing natural resources (oil & gas) from newly drilled and existing well locations to include, minimum surface equipment operations, well-head design, common field terminologies, pressure gauges, location and fluid flow layout, proper use of hand tools and equipment safety devices.
- PTLO 122 DRILLING** 3  
A study of practices and procedures for drilling operations. Rig equipment, casing design, fishing, and proper procedures to successfully drill a well are discussed. Students will study fundamental operations in the drilling industry; identify the five major systems and equipment of a drilling rig; describe specific down-hole problems; and explain solutions. Instruction in volume calculations, hydrostatic pressures, formation pressures, and problems in down-hole drilling operations. Basic concepts of directional drilling will also be covered.
- PTLO 130 OIL FIELD HYDRAULICS** 3  
This course will cover hydraulics applicable to drilling, completion, and production. Emphasis on hydraulic control of equipment to include directional control valves, motors, cylinders and system control when using various hydraulic components. Students will understand the application of hydraulic systems associated with work-over systems and equipment.
- PTLO 203 PREVENTIVE MAINTENANCE & TROUBLESHOOTING** 3  
Students will learn skills, techniques and procedures to properly perform routine maintenance and trouble shooting on surface production equipment.
- PTLO 240 WELL COMPLETION & WORKOVER** 3  
This course is a study of completion equipment and services. It presents the design consideration for completing conventional, heavy oil, thermal, sour and high pressure high-temperature wells. Students will learn to plan and design completions and stimulations, as well as the specifications of metallurgy and elastomers for downhole equipment. Discussions will cover well performance, flow assurance, and formation damage, with troubleshooting hints and strategies for common practices. Topics include packers and down-hole equipment, materials, coatings, and corrosion, the selection of completion and work-over fluids, perforating and alternatives, flow assurance, remedial cementing, coiled tubing, snubbing, and fishing operations.
- PTLO 244 SPECIAL TOPICS IN PETROLEUM** 3  
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Learning outcomes/objectives are determined by local occupational need and business and industry trends.
- PTLO 299 SPECIAL TOPICS** 1/2-3  
Prerequisite: Departmental approval. Designed to meet student needs or interest. Offered to utilize particular faculty resources. Topics will be selected on interest and relevancy to students needs.
- PTSR 299 SPECIAL TOPICS** 1/2-3  
Prerequisite: Departmental approval. Designed to meet student needs or interest. Offered to utilize particular faculty resources. Topics will be selected on interest and relevancy to student needs.
- ## PHARMACOLOGY
- PHRM 137 PHARMACOLOGY FOR BUSINESS** 3  
Covers the trade and generic names of the most commonly used drugs with emphasis on dosages, route of administration, and uses.
- PHRM 215 INTRODUCTION TO PHARMACOLOGY** 3

# WSC [COURSE DESCRIPTIONS]

Prerequisites: BIOL 220 L/L & CHEM 115 L/L. A fundamental discussion of the scope of pharmacology, including terminology used. Drug laws, dosage forms, and patient variabilities that affect drug usage will be covered. Important drugs used in practice will be studied, including basic principles, therapeutic uses, and adverse effects.

## PHILOSOPHY

**PHIL 101 INTRODUCTION TO PHILOSOPHY 3**  
General survey of the philosophical eras and ideas of the Western world. The course will focus on identifying and understanding the underpinnings of contemporary thought through the study of philosophers from Ancient Greece to the modern day.

**PHIL 210 ETHICS 3**  
A study of the historical development of ethical systems, including an analysis of cultural factors which bring about values formation and an examination of the process of forming value judgments.

**PHIL 215 CONTEMPORARY MORAL ISSUES 3**  
An introduction to the problems connected with moral choice. This course examines the moral judgments that follow from the values held by a wide variety of people today on topics ranging from abortion to race, sexual behavior, the environment, etc.

## PHYSICS

**PHYS 110 INTRODUCTORY ASTRONOMY 3**  
This is an introductory astronomy contended to give the student an appreciation of the universe in which we live. Topics covered will include: ancient astronomy (Greek & Native Americans), and the Copernican Revolution; astronomical measurements and instruments, the solar system, stars and stellar evolution, galaxies, black holes, Big Bang cosmology.

**PHYS 110L INTRODUCTORY ASTRONOMY LAB 1**  
An introductory study of the universe. Topics covered will include: ancient astronomy (Greek & Native Americans), and the Copernican Revolution; astronomical measurements and instruments, the solar system, stars and stellar evolution, galaxies, black holes, Big Bang cosmology. The astronomy laboratory is optional.

**PHYS 211 COLLEGE PHYSICS I L/L 4**  
Prerequisite: MATH 103. The non-calculus physics course sequence recommended for pre-medical and pre-professional students. Topics: Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics. Includes lab.

**PHYS 212 COLLEGE PHYSICS II L/L 4**  
Prerequisite: PHYS 211 or equivalent. The non-calculus general physics course sequence recommended for pre-medical and pre-professional students. Topics: vibration and waves, electricity and magnetism, light and optics, and an introduction to modern physics. Includes lab.

**PHYS 251 UNIVERSITY PHYSICS I L/L 5**  
Prerequisite: MATH 165. The general physics course sequence for students majoring in chemistry, physics, or engineering. Topics: Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics. Includes lab.

**PHYS 252 UNIVERSITY PHYSICS II L/L 5**  
Prerequisite: MATH 166. The calculus-based general physics course sequence for students majoring in chemistry, physics, or engineering. Topics: vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. Includes lab.

**PHYS 299 SPECIAL TOPICS 1-3**  
Prerequisite: Departmental approval. Designed to meet students special needs and interests.

## POLITICAL SCIENCE

**POLS 115 AMERICAN GOVERNMENT 3**  
Introduction to political science through the study of the American political system. The United States Constitution, the political processes, governmental structure and powers of the Presidency, Congress, and the Judiciary will be examined.

**POLS 116 STATE & LOCAL GOVERNMENT 3**

This course is an introduction into the structure, function and problems of state and local governments; their executive, legislative, and judicial processes will be explored. Also, this course explores the role of State and Local Governments within the Federal system.

**POLS 195 STUDENT GOVERNMENT 1**  
Credit for participation in Student Senate. WSC Student Senators represent the student body and act as a liaison between the students and the administration, state, and community. Senators are official representatives of the college and this position is held in high honor. Members will represent student leadership in an articulate manner, promote the college, and respond to the student body and college's needs. S/U grading only.

## PSYCHOLOGY

**PSYC 111 INTRODUCTION TO PSYCHOLOGY 3**  
A survey of the scientific study of behavior and mental processes, with consideration of the nature and scope of psychology as a science and a profession.

**PSYC 250 DEVELOPMENTAL PSYCHOLOGY 3**  
Prerequisite: PSYC 111. A survey of the psychology of human life span development including intellectual, social, and emotional aspects of the normal individual and emphasizing childhood and adolescent development.

**PSYC 270 ABNORMAL PSYCHOLOGY 3**  
Prerequisites: PSYC 111. A survey of the classification, symptoms, and etiology of psychological disorders, and behavior pathology.

## RECREATION

**REC 101 INTRODUCTION TO RECREATION MANAGEMENT 3**  
The significance and meaning of recreation, leisure, play, and sport in modern society. The theories of play, models of sport, and the recreational and sport movement in the United States. Role and scope of recreation and sport programs in the community, schools, commercial, and industrial settings. Introduction to professional and career issues in the field.

**REC 201 RECREATION AREAS AND FACILITIES MANAGEMENT 3**  
Basic consideration in planning, construction, design, risk management, and maintenance of sport and recreation areas, facilities, and buildings.

**REC 216 RECREATION PROGRAMMING 3**  
This course focuses on the principles and approaches to planning and implementing recreation programs. A philosophical and practical basis for preparing a variety of recreation programs will be covered.

**REC 286 RECREATION ADMINISTRATION 3**  
Administrative policies and organizational management of recreation services, financial and personnel practices, supervision, and promotion.

## RELIGION

**RELS 116 WOMEN IN RELIGION 3**  
An examination of the role women have played in religious thought throughout history: as goddesses and mythic figures, as religious leaders, and as spiritual guides.

**RELS 120 RELIGION IN AMERICA 3**  
Study of religious life in America; emphasis placed on the role of religion in the development of American life and character.

**RELS 203 WORLD RELIGIONS 3**  
An introduction to the origin and major tenets of Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam.

**RELS 220 OLD TESTAMENT 3**  
A study of the religious, political, and social history of ancient Israel as reflected in the Hebrew Bible.

**RELS 230 NEW TESTAMENT 3**  
An overview of the developments in the primitive Christian community as reflected in the New Testament.

# WSC [COURSE DESCRIPTIONS]

## RESIDENTIAL CARPENTRY

### CARP 101 PRE CORE CURRICULUM 2

An introductory course to the National Center for Construction Education and Research (NCCER) craft training program. The modules covered will be "Basic Safety", "Construction Math", and "Power Tools". Students will have to pass written hands on tests before using power tools.

### CARP 101A PRE CORE CURRICULUM 1

An introductory course to the National Center for Construction Education and Research (NCCER) craft training program. The modules covered will be "Basic Safety", "Construction Math", "Hand Tools", and "Power Tools". Students will have to pass written and hands-on tests before using power tools.

### CARP 101B PRE CORE CURRICULUM 1

Continuation of CARP 101A. An introductory course to the National Center for Construction Education and Research (NCCER) craft training program. The modules covered will be "Basic Safety", "Construction Math", "Hand Tools", and "Power Tools". Students will have to pass written and hands-on tests before using power tools.

### CARP 102 CORE CURRICULUM 2

Core curriculum for The National Center for Construction Education and Research (NCCER), consists of eight modules which are: "Basic Safety", "Construction Math", "Hand Tools", "Power Tools", "Blueprints", "Basic Rigging", "Communication Skills", and "Employability Skills." This course is a prerequisite for all NCCER "Craft Level Training."

### CARP 109 PRE BLUE PRINT READING 2

Designed to review the proper use of an architectural scale, drawing floor plans using standard scales from 1/8"-1/2"=1. Explores elevations, electrical and plot plans, and begins basic blueprint reading.

### CARP 109A PRE BLUE PRINT READING 1

Designed to review the proper use of an architectural scale, drawing floor plans using standard scales from 1/8"-1/2"=1. Explores elevations, electrical and plot plans, and begins basic blueprint reading.

### CARP 109B PRE BLUE PRINT READING 1

Continuation of CARP 109A. Designed to review the proper use of an architectural scale, drawing floor plans using standard scales from 1/8"-1/2"=1. Explores elevations, electrical and plot plans, and begins basic blueprint reading.

### CARP 110 BLUEPRINT READING 2

Designed to provide the basic understanding of standard residential blueprints including plot plans, foundation plans, floor plans, elevations, details of mechanical and electrical plans, and a basic understanding of residential building codes.

### CARP 112 INTRODUCTION TO THE GREEN ENVIRONMENT 3

This course is designed to introduce students to an understanding of the green mind-set. Discussion will cover the impact of building on the green environment within the context of market realities.

### CARP 115 SITE LAYOUT AND FOUNDATION CONSTRUCTION 3

Students will receive training and hands-on experience in preparation of a building site and foundation construction. Instruction will include laying out building lines, establishing batter boards, concrete footings and foundations, and studying alternate foundation systems.

### CARP 119 BEGINNING FRAMING 3

This course examines types of wood, construction materials, site layout, builder levels, concrete, rough framing, interior and exterior finish, and energy efficiency. A lab will include building and finishing a storage shed along with student designed projects.

### CARP 119A BEGINNING FRAMING 1 1/2

This course examines types of wood, construction materials, site layout, builder levels, concrete, rough framing, interior and exterior finish, and energy efficiency. A lab will include building and finishing a storage shed along with student designed projects.

### CARP 119B BEGINNING FRAMING 1 1/2

Continuation of CARP 119A. This course examines types of wood, construction materials, site layout, builder levels, concrete, rough framing, interior and exterior finish, and energy efficiency. A lab will include building and finishing a storage shed along with student designed projects.

### CARP 120 PRINCIPLES OF FRAMING 3

This is a comprehensive course which concerns instruction and study on the techniques and practices required for successful employment as a framing

carpenter. Areas covered will include layout of floors and walls, engineering truss systems, joist and rafter systems, and stairway construction.

### CARP 125 FRAMING I 3-6

This lab will increase the student's knowledge, skills, and proficiency in framing by applying the techniques learned in 120 Principles of Framing. Activities will center around the actual construction of a house.

### CARP 130 EXTERIOR FINISH 2

This course deals with the basics of residential exterior finish. Instruction will include units of fascia and soffit construction, windows and exterior door installation, and siding and roofing.

### CARP 135 FRAMING II 4

This course is designed to increase student's knowledge and skill in residential construction. Activities will center around specialty exterior and interior framing during the construction of an actual house.

### CARP 140 PRINCIPLES OF INTERIOR FINISH 3

This course provides an understanding of materials and processes used in interior finishing. Instruction will include units in drywall, interior door, interior trim, floor underlayment, and applying finishes.

### CARP 145 INTERIOR FINISH 6

This lab will increase the student's knowledge, skills, and proficiency in interior finishing by applying techniques learned in 140 Principles of Interior Finish. Activities will center around the construction of an actual house.

### CARP 155 HOUSE DESIGN AND CODE REQUIREMENTS 2

Students will study home design and code requirements. Interior, exterior, and environmental factors affecting the design of homes will be considered and explored.

### CARP 175 CONSTRUCTION EQUIPMENT 4

The course will provide instruction in the principles and use of commercial construction equipment. Training will combine classroom presentations, demonstrations, videos, and safe operating procedures. Safety will be emphasized.

### CARP 195 SERVICE LEARNING 1-3

Maximum of six semester hours. Service learning may be accomplished by one of three methods: Joining a club that has a public service component, doing volunteer work at a non-profit organization, or taking a course that links public service with its curriculum.

### CARP 197 COOPERATIVE EDUCATION/ INTERNSHIP 1-3

Repeatable up to six semester hours. Students get on-the-job experience under qualified supervision in carpentry occupations. Work hours are arranged by the employer, advisor, and student. Student progress is checked by oral and written reports from the employer. Student advisor conferences are held to discuss progress and/or problems. All Co-op experiences are graded on a satisfactory/unsatisfactory basis. Consent of department chairperson.

### CARP 299 SPECIAL TOPICS 1-3

Prerequisite: Departmental approval. Variable instructional topics in the field of carpentry. Repeatable as long as content varies.

## SOCIAL WORK

### SWK 200 INTRODUCTION TO HELPING RELATIONSHIPS 3

An introduction and overview of the helping process. Emphasis given to evaluating one's beliefs, values and attitudes regarding the client/helper relationship and to developing effective interpersonal relationships and problem solving skills. Attention given to developing effective interviewing skills.

### SWK 256 INTRODUCTION TO HUMAN SERVICES 3

Overview of the structure and resources available through the human services delivery system, as well as the roles of professional and paraprofessional staff (technician).

## SOCIOLOGY

### SOC 110 INTRODUCTION TO SOCIOLOGY 3

Introductory analysis of the nature of society, the interrelationships of its component groups, and the process whereby society persists and changes; interpretation of human behavior in groups.

# WSC [COURSE DESCRIPTIONS]

- SOC 115 SOCIAL PROBLEMS** 3  
Sociological analysis of major social problems in America.
- SOC 235 CULTURAL DIVERSITY** 3  
This course examines the historical development of American ethnic and cultural diversity, including Native American, and places that diversity in global perspective.
- SOC 299 SPECIAL TOPICS** 1-3  
Prerequisite: Departmental approval. Examination of special topics in sociology taught at the sophomore level; topics that include but are not limited to marriage and family, aging, rural issues, and community organizing.

## SPANISH

- SPAN 101 FIRST YEAR SPANISH I** 4  
Pronunciation and fundamental grammatical principles introduced through the development of skill in listening, comprehension and speaking, followed by practice in reading and writing; language laboratory attendance required.
- SPAN 102 FIRST YEAR SPANISH II** 4  
Prerequisite: SPAN 101 or equivalent. Continued study of pronunciation and fundamental grammatical principles through the development of skill in listening, comprehension, and speaking, followed by practice in reading and writing; language laboratory attendance required.
- SPAN 201 SECOND YEAR SPANISH I** 4  
Prerequisite: SPAN 102 or equivalent. Review of the structure of the language; readings in Spanish; practice in oral and written expression.
- SPAN 202 SECOND YEAR SPANISH II** 4  
Prerequisite: SPAN 201 or equivalent. Review of the structure of the language; readings in Spanish; practice in oral and written expression.

## THEATER

- THEA 110 INTRODUCTION TO THEATER ARTS** 3  
Basic perspective and historical perspective to the art of theater.
- THEA 161 ACTING I** 3  
Fundamental skills and techniques of acting.
- THEA 201 THEATER PRACTICUM** 1  
Participation in various activities of theatrical prod. Repeatable for credit.
- THEA 261 ACTING II** 3  
Practical application of fundamental skills to textual work.
- THEA 270 STAGECRAFT** 1  
An introduction to the crafts and technologies of theater production.

## WELDING

- WELD 107 ADV. WELDING TECH. AND MANUFACTURING LAB** 5  
This is an advanced course in welding technology that is designed so students can further develop their welding skills using a variety of different electrode groups. Students will weld thicker mild steel plate in all positions. Students will study some basic metallurgy and be exposed to blueprint reading. All the gas and arc welding processes will be revisited. Students will learn techniques in welding structural steel according to the American Welding Society's certification standards.
- WELD 109 BLUEPRINT READING FOR WELDERS** 3  
Corequisite: Must take in conjunction with WELD 151 and WELD 153. Students learn how to read and interpret structural steel, piping, and mechanical blueprint reading. The course will cover hand sketching of orthographic and isometric drawings. The students will also begin to learn about pipe symbols and spool drawings. The class will learn to interpret and apply weld symbols to the projects they could work on.
- WELD 110 INTRODUCTION TO WELDING LAB** 1-3  
Beginning instruction on skills in Oxyacetylene Welding (OAW), Oxyacetylene cutting (OFC-A), and Shielded Metal Arc Welding (SMAW) using various thickness of steel, with a strong emphasis on safety and use of welding and cutting equipment.
- WELD 120 INTRODUCTION TO WIRE FEED PROCESS LAB** 1-3  
Continuing instruction of skills in Oxyacetylene Welding (OAW), Oxyacetylene cutting (OFC-A), and Shielded Metal Arc Welding (SMAW) using

- various thicknesses of steel. Students are introduced to GMAW and FCAW.
- WELD 121 WELD. THEORY & SAFETY FOR SEMI-AUTO.PROCESSES 2** 3  
Corequisite: WELD 122, 151, & 153. Teaches students the basic knowledge of Gas Metal Arc Welding (GMAW), Flux Core Arc Welding (FCAW) shielded and self-shielded, and GMAW-Pulsed. Equipment needs, setup, joint design, filler metals, shielding gases. Welding techniques and safety will be taught.
- WELD 122 WIRE FEED AND WELDING CERTIFICATION LAB** 6  
Continuation of WELD 153 with the introduction of semi-automatic wire feed processes. This course leads to AWS and ASME certification of plate (all positions) with SMAW, FCAW, and processes.
- WELD 123 BEGINNING FABRICATION LAB** 5  
Prerequisite: WELD 107. Introduces the student to fabrication equipment and processes.
- WELD 131 LAYOUT AND PATTERN MAKING BASICS** 3  
Prerequisite: WELD 109. Corequisite: WELD 213. Students will learn practical layout and fitting skills used in industrial welding and fabrication shops. Employs simple layout, parallel line development, radial line development, and triangulation for pattern development.
- WELD 151 WELDING THEORY, TECHNOLOGY AND SAFETY** 3  
Examines and presents welding and shop safety, Oxy-fuel safety, base metal preparation, weld quality, SMAW equipment and set-up, electrode selection, and joint design/fit-up. Other information which could be introduced could include air carbon and plasma cutting.
- WELD 153 SMAW WELDING LAB** 6  
Must be taking, or have taken WELD 151. Beginning instructions on skills in Oxyacetylene Welding (OAW), Oxyacetylene cutting (OFC-A), Shielded Metal Arc Welding (SMAW) using various thicknesses of steel, with strong emphasis on safely handling welding and cutting equipment. Also covered are general safety, welding supplies, and equipment maintenance. Out of position OAW, SMAW, and GMAW are introduced.
- WELD 209 PIPE AND PIPE LAYOUT** 6  
Prerequisite: WELD 109. Corequisite: WELD 210. Pipe and pipe layout is a combination lecture/lab. The class is for second year welding students. It will give them and introduction to pipe layout, fitting, and welding. Students will practice basic pipe welding techniques for 1G rolled position, 2G, 5G and 6G fixed position using 6010 and 7018 electrodes. GTAW could also be introduced. Students will be taught to ASME SEC IX and API 1104 standards.
- WELD 210 PIPE WELDING LAB** 5  
Corequisite: WELD 209. Students will practice fitting and welding techniques for pipe in the 1G rolled position, the 2G, 5G, and 6G fixed position using 6010, 7018 welding electrodes and time permitting, semi-automatic wire processes. Quality and safety will be emphasized.
- WELD 213 METAL FABRICATION LAB** 3  
Prerequisite: WELD 109. Corequisite: WELD 131. Introduces metal fabrication procedures and safe operation of fabrication equipment, including shears, press-brakes, ironworkers, punches, drill presses, chop saws and plasma cutters. Common terminology, fabrication theory, material use and construction and equipment safety are taught.
- WELD 214 GTAW LAB & LECTURE** 3  
Prerequisite: WELD 121 & 122. GTAW course covers welding techniques, applications, equipment setup, and procedures for ferrous and non-ferrous metals. Quality and safety stressed.
- WELD 215 SPECIALTY WELD PROCESSES** 3  
Prerequisite: WELD 151, 153 Corequisite: WELD 220. Lab is designed to run in conjunction with WELD 220. Lab will provide students with practical experience welding, high carbon low alloy steel, cast iron, stainless steel, and aluminum with SMAW, GTAW, GMAW and FCAW. Welding safety will be a proponent of this course.
- WELD 220 BASIC METALLURGY** 2  
Corequisite: WELD 215. Course will introduce students to the study of the crystalline structure of metals and how heat can and will affect the soundness of metals. The course will cover welding variations of different types of materials and talk about different types of materials that can be added to metals to change the metallurgical properties of different types of metals.
- WELD 299 SPECIAL TOPICS** 1-3  
Prerequisite: Departmental approval. Topics could include a variety of topics, such as fabrication, plasma cutting, arc welding, safety and usage of welding equipment, and artistic design.





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## COLLEGE PERSONNEL

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**Laurel Kaae, M.S.**, Associate Dean for Student Success  
**Heather Fink, B.S. SW**, Executive Director for Student Services

### FACULTY

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**Diane Anderson**, Coordinator/Instructor of Academic Success Center; B.U.S., Dickinson State University; Career & Technical Credential  
**Robert Benson**, Associate Professor of Health Careers; M.A.Ed., Marian College; Career & Technical Credential  
**Elizabeth Brodell**, Instructor of Nursing; Ph.D, from the University of North Dakota  
**Christine Christensen**, Coordinator/Assistant Professor of Health & Medical Assistant, B.A.S., Dickinson State University; Career & Technical Credential  
**Serena Christianson**, Coordinator/Assistant Professor of Business; MBA, Grand Canyon University; Certified Personal Fitness Trainer – Aerobics and Fitness Administration of America; Career Technical Education Credential  
**Beverly Conway**, Assistant Professor of Science & Nutrition; M.S., Washington State University  
**Shawn Cote**, Head Baseball Coach/Instructor of HPER, B.S., Dickinson State University  
**Buck Dannar**, Coordinator/Instructor of Welding Technology; American Welding Society, Certified Welding Inspector and Educator, OSHA 500 & 510 Certified, Career & Technical Credential  
**Amanda Davis**, Assistant Professor of Mathematics; M.S., University of West Florida  
**Maren Furuseth**, Coordinator of Accounting/Instructor of Accounting & Spanish; B.A. Concordia College, Career & Technical Credential  
**Steven Grunenwald**, Associate Professor of English, M.A., Bemidji State  
**Faye Krogen**, Associate Professor of Mathematics & Computer Science; M.Ed., Lesley University  
**Kari Lesmeister**, Coordinator/Instructor of Nursing; B.S.N., Medcenter One College of Nursing  
**Charles Mainwaring**, Instructor of Diesel Technology; Career & Technical Credential  
**Wendy McGinley**, Coordinator/Associate Professor of Massage Therapy; B.S., Valley City State University; Career & Technical Credential  
**Kim Murphy**, Coordinator/Assistant Professor of Agriculture; B.S., North Dakota State University; Career & Technical Credential  
**Lance Olson**, Associate Professor of Mathematics & Science; M.A., Minot State University  
**Rhoda Owens**, Minot Site Manager/Assistant Professor of Nursing; M.S.N., University of North Dakota; Career and Technical Credential  
**Matthew Peterson**, Assistant Professor of Economics & Mathematics; M.S.A.E., University of North Dakota.  
**Kenneth Quamme**, Associate Professor of Information Technology; M.S., University of North Dakota; Career & Technical Credential  
**Alissa Renner**, Head Volleyball Coach/Instructor of Mathematics & Computer Science; B.S., Minot State University  
**Tami Solberg**, Instructor of Nursing; MBHA Regis University  
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**Neil Westergaard**, Associate Professor of Anatomy & Physiology/ Coordinator of Mental Health/Addictions Technician; M.S., University of North Dakota

**Elise Williams**, Assistant Professor of Psychology & Sociology; M.A., University of Southern California  
**Susan Zimmerman**, Professor of Biology; M.A., University of California, Riverside

### DEPARTMENT CHAIRS

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**Robert Benson**, Health & Wellness  
**Steven Grunenwald**, Arts & Human Sciences  
**Lance Olson**, Math & Sciences  
**Ken Quamme**, Business Technology

### SUPPORT STAFF

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**Kayleen Anderson**, Bookstore Clerk  
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**Luanne Axelson**, Head Women's Basketball Coach  
**Alan Billehus**, TrainND Safety Trainer  
**Timothy Bishop**, Custodian Level 1  
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**Joyce Clock**, TrainND Training Coordinator  
**Elena Cole**, Finance Associate  
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**Shawn Cote**, Head Baseball Coach/Instructor  
**Monica Crane**, Manager of Learning Commons  
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**Cassy Waste**, Interim Director for Financial Aid  
**Tara Weltikol**, Coordinator for Student Life  
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## PRESIDENT EMERITI

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