This catalog is a useful reference to the services, programs, opportunities, and policies at Western Nebraska Community College (WNCC). Although every effort is made to ensure the accuracy of this catalog, WNCC reserves the right to make changes in requirements, costs, curriculum, course structure and content, programs, and other policies and procedures. The most up-to-date version of the catalog may be found at www.wncc.edu/academics/catalog-course-schedule.

Western Nebraska Community College does not discriminate on the basis of race, color, religion, national origin, sex or gender, age, disability, marital status, military veteran status, sexual orientation, gender expression/identify, or political affiliation, in its policies, practices, and activities related to employment, admissions, educational services/programming, student services/activities, or financial aid as expressly prescribed by institutional policy, state, and federal laws, regulations, and executive orders. Inquiries concerning the application of these policies, laws, and/or regulations to the College may be directed to the College’s compliance officer for the Civil Rights Act(s), Title IX of the Education Amendments of 1972, Americans with Disabilities Act(s), and Section 504 of the Rehabilitation Act of 1973: Chief Human Resources Officer, WNCC, 1601 East 27th Street, Scottsbluff, NE, 69361-1815, 308.635.6105 or to the Director, Office of Civil Rights, U.S. Department of Education, One Petticoat Lane, 1010 Walnut Street, Suite 320, Kansas City, MO, 64106-2106.

The Higher Learning Commission (HLC) accredits Western Nebraska Community College. Inquiries regarding WNCC accreditation may be directed to the HLC by letter at 30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504, or by phone at 312.263.0456.
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2020-21 Academic Calendar

Fall Semester 2020
August 2020
14 F ....................... Last Day for New Students to Register for Fall 2020 Full-Term (16-Week) & 1st 8-Week Classes
16 Su ..................... Last Day for Returning Students to Register Online for Fall 2020 Full-Term & 1st 8-Week Classes
17 M ....................... Fall 2020 Full-Term & 1st 8-Week Classes Begin
17-19 M-W .................. No Penalty Drop/Add Period for 1st 8-Week Classes
17-21 M-F .................. No Penalty Drop/Add Period for Full-Term Classes

September 2020
7 M ....................... COLLEGE CLOSED Labor Day
17 Th ....................... Last Day to Withdraw from 1st 8-Week Classes

October 2020
7 W ....................... 1st 8-Week Classes End
8-9 Th-F .................... FINALS for 1st 8-WEEK CLASSES
9 F ....................... Midterm for Fall 2020 Full-Term Classes (Classes Meet)
12 M ....................... 2nd 8-Week Classes Begin
12-14 M-W .................. No Penalty Drop/Add Period for 2nd 8-Week Classes
13 T ....................... Grades Due @ Midnight for 1st 8-Week Classes
14 W ....................... Last Day to Register for 2nd 8-Week Classes
19 M ....................... Spring 2021 Class Schedule Released
23 F ....................... Last Day to Withdraw from Fall 2020 Full-Term Classes
26-30 M-Th .................. Advising Week

November 2020
5 Th ....................... First Day to Register for Spring 2021 and Summer 2021 Classes
11 W ....................... Last Day to Withdraw from 2nd 8-Week Classes
25 W ....................... NO CLASSES COLLEGE CLOSES @ NOON Thanksgiving Holiday
26-27 Th-F .................. COLLEGE CLOSED Thanksgiving Holiday

December 2020
4 F ....................... Classes End for Fall 2020 (Full-Term and 2nd 8-Week)
7-11 M-F .................... FINALS
15 T ....................... Grades Due @ Midnight for Full-Term and 2nd 8-Week Classes
25-31 F-Th .................. COLLEGE CLOSED Winter Break

Spring Semester 2021
January 2021
1 F ....................... COLLEGE CLOSED Winter Break
8 F ....................... Last Day for New Students to Register for Spring 2021 Full-Term (16-Week) & 1st 8-Week Classes
10 Su ....................... Last Day for Returning Students to Register Online for Spring 2021 Full-Term & 1st 8-Week Classes
11 M ....................... Spring 2021 Full-Term & 1st 8-Week Classes Begin
11-13 M-W .................. No Penalty Drop/Add Period for 1st 8-Week Classes
11-15 M-F .................. No Penalty Drop/Add Period for Full-Term Classes

February 2021
11 Th ....................... Last Day to Withdraw from 1st 8-Week Classes

March 2021
3 W ....................... 1st 8-Week Classes End
4-5 Th-F .................... FINALS for 1st 8-WEEK CLASSES
5 F ....................... Midterm for Spring 2021 Full-Term Classes (Classes Meet)
8-12 M-F .................... NO CLASSES Spring Break
9 T ....................... Grades Due @ Midnight for 1st 8-Week Classes
12 F ....................... Last Day to Register for 2nd 8-Week Classes
15 M ....................... 2nd 8-Week Classes Begin
15-17 M-W.......................... No Penalty Drop/Add Period for 2nd 8-Week Classes
22 M................................. Summer and Fall 2021 Class Schedules Released
26 F.................................. Last Day to Withdraw from Spring 2021 Full-Term Classes
29-31 M-W........................... Advising Week

April 2021
1 Th...................................... Advising Week
2 F...................................... COLLEGE CLOSED
5 M...................................... First Day to Register for Fall 2021 Classes
15 Th.................................... Last Day to Withdraw from 2nd 8-Week Classes
22 Th................................... NO CLASSES (Scottsbluff only)
30 F.................................... Classes End for Spring 2021 (Full-Term and 2nd 8-Week)

May 2021
3-7 M-F................................. FINALS
8 Sa..................................... 2021 GRADUATION
11 T........................ Grades Due @ Midnight for Full-Term and 2nd 8-Week Classes
21 F........................ Last Day for New Students to Register for Summer 2021 Classes
23 M........................ Last Day for Returning Students to Register Online for Summer 2021 Classes

Summer Semester 2021

May 2021
24 M..................................... Summer 2021 10-Week and 1st 5-Week Classes Begin
26 M..................................... No Penalty Drop/Add Period for 10-Week and 1st 5-Week Classes
31 M..................................... COLLEGE CLOSED Memorial Day

June 2021
1 T..................................... Summer 2021 8-Week Classes Begin
1-3 T-Th.............................. No Penalty Drop/Add Period for 8-Week Summer Classes
14 M................................. Last Day to Withdraw from 1st 5-Week Classes
24 Th................................. 1st 5-Week Classes End

July 2021
2 F..................................... Last Day to Withdraw from 8-Week and 10-Week Classes
5 M................................. COLLEGE CLOSED Independence Day Holiday
16 F..................................... Last Day to Withdraw from 2nd 5-Week Classes
23 F................................. 8-Week Classes End
26-27 M-T........................... FINALS for 8-Week Classes
28 W................................. Grades Due at Midnight for 8-Week Classes
29 Th.................................. Classes End for Summer 2021 (10-Week and 2nd 5-Week)
30 F................................. FINALS for 10-Week and 2nd 5-Week Classes

August 2021
2 M..................................... FINALS for 10-Week and 2nd 5-Week Classes
3 T.................................. Grades Due at Midnight for 10-Week and 2nd 5-Week Classes

Calendar dates are subject to change, and may be found at www.wncc.edu/academics/academic-calendar
Mission, Vision, and Philosophy

Mission Statement
WNCC assures learning opportunities for all – enriching lives, invigorating communities, creating futures.
~Adopted by the WNCC Board of Governors 2017

Vision Statement
The following was developed to provide future vision and direction for Western Nebraska Community College:
“To positively impact the education and well-being of every student, employer, and community member in the Nebraska Panhandle region.”
~Adopted by the WNCC Board of Governors 2017

Philosophy
Western Nebraska Community College is a comprehensive community college committed to serving the residents of western Nebraska with higher education and lifelong learning opportunities. The faculty, staff, and Board of Governors seek to provide leadership in education while responding to the identified needs of area residents by providing high quality educational programs and support services accessible to all who can benefit from them. In fulfilling our role and mission, we subscribe to the following philosophy:

- Belief in the inherent right of every person to an opportunity for education commensurate with the individual’s potential and interest. We offer a comprehensive program, which includes academic and technical courses, as well as general education for transfer to a baccalaureate-granting institution or preparation for entry to the job market.
- Responsibility for providing an environment that offers opportunities for developing quality in academic, technical, and vocational disciplines. We are committed to helping students clarify goals by improving skills and providing guidance, encouragement, and assistance in a positive atmosphere fostering personal growth and social responsibility.
- Commitment to lifelong learning. We provide area business and industry with vocational training for skilled employment, which encompasses in-service/pre-service training in addition to basic skills, continuing education and vocational interests.

- Awareness of the changing role of education. We are prepared to make adjustments in the curriculum and services to meet the diverse, unique needs of students.

Role
“Western Nebraska Community College shall be a student centered, open access institution primarily devoted to quality instruction and public service, providing counseling and other student services intended to promote the success of a diverse student population, particularly those who have been traditionally under served in other educational settings.

Western Nebraska Community College, individually and collectively, shall provide the following instructional and service priorities:

Applied Technology Education
Including Associate of Applied Science degrees (AAS), Associate Degree Nursing (AD-N), diplomas, certificates, and coursework to qualify individuals for entry into employment or to enable individuals to remain current, to upgrade skills, or to acquire new skills.

Transfer Education
Including liberal arts and sciences associate degrees (AA AS, and AFA) comprising of coursework which is comparable to the coursework of the first two years of a bachelor’s degree program and applied technology degrees comprising coursework which may be applicable to the coursework of the first two years of a bachelor’s degree program.

Developmental Education
Including remedial programs, developmental programs, adult education (AE), general education development (GED) preparation, English literacy programs (ELP), and refresher courses.

Adult Continuing Education
Including career related programs and services for professional certification or improvement, economic and community development including customized training programs developed for businesses and communities to meet needs such as occupational assessment, job training and job upgrading, and other programs and services that are within the scope of the College’s expertise.

Public Service
Including vocational and personal development courses and activities not specifically identified in other priorities.
Applied Research
Limited to the enhancement of the instructional programs, student achievement, institutional effectiveness, and public service activities or related to faculty professional development.”
~Passed by Ninety-Third Legislature, Nebraska 1993 (LB 263).

Institutional Statement of Values
The Board, faculty, and staff of the College commit to acting according to the following values, which are essential to maintaining the integrity and vitality of the College community. All citizens of the College community shall be treated with care and respect. The College is an environment where people are treated fairly and given equal opportunities.

Lifelong Learning – At WNCC, student learning is our primary focus. This is accomplished through excellence in teaching for our students and ongoing professional development of our employees. We strive to help all of our stakeholders, both inside and outside the organization, continuously expand learning to improve their success.

Student and Community Service – We consider our students and community stakeholders as our constituents and responding to their diverse need is what we strive to accomplish. Student success and positive contribution to our communities are at the forefront of every WNCC activity.

Honesty, Integrity, and Transparency – We believe that academic and personal honesty are essential elements in WNCC’s learning environment and that employees and students must at all times speak and act truthfully and with integrity. Information is accessible and decision-making is open and participative.

Collaboration and Communication – Recognizing that we do not stand-alone and that our actions impact others, we resolve to actively listen, engage in conversation, build consensus, resolve conflict, and disseminate information in a timely fashion. We believe teamwork and participation leads to engaged employees and better decisions.

Innovation and Continuous Improvement – WNCC understands the importance of embracing change in order to stay current and relevant. Exploring Creative strategies and solutions and utilizing new technologies, practices, and procedures is encouraged for our employees as this better prepared our students for their success in pursuing their academic and career pathways.

Respect for All People and Perspectives – WNCC deeply cares about all of its stakeholders and believes that showing kindness, understanding, and a respect for the diversity of others are fundamental elements of our culture. Differences are accepted and appreciated, and everyone plays an important role in the College.
~Adopted by the WNCC Board of Governors 2017

Accreditation & Institutional Memberships
The Higher Learning Commission (HLC) accredits Western Nebraska Community College. Inquiries regarding WNCC accreditation may be directed to the HLC by letter at 30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504; or by phone at 312.263.0456 or 800.621.7440. Individual programs may be certified or accredited by other professional associations in addition to the Higher Learning Commission.

Primary Memberships
WNCC’s primary memberships are to the
• American Association of Community Colleges
• League for Innovation in the Community College
• National League for Nursing
• Nebraska Community College Association

A complete listing of institutional memberships may be obtained from the WNCC Business Office.

College Locale
Located in the Panhandle of western Nebraska, WNCC serves 12 and one half counties with its primary campus in Scottsbluff and staffed facilities in Alliance and Sidney. All three locations are near recreation areas for both summer and winter activities. Winter activities are just a few hours away in the Wyoming and Colorado Rocky Mountains. Summer activities can also be found in these areas as well as in Nebraska’s Chadron State Park, Lake Minatare and Lake McConaughy, and historic Fort Robinson, or by traveling to the Black Hills of South Dakota. Hunting and fishing abound all year-round.

College Organization
WNCC is organized into six major areas: Administrative Services, Assessment & Institutional Research, Education & Student Services, Enrollment & Marketing Services, Human Resources, and Partnerships & Inclusion. While
each area boasts its own unique characteristics, the staff, faculty, and administrators work cooperatively across divisions to provide the widest range of programs and services to the students and campus community.

**Administrative Services**

The Administrative Services component of the College provides comprehensive auxiliary services to enhance the students’ college experience. While sometimes viewed as behind-the-scenes operations, Administrative Services ensures the smooth daily operation of WNCC buildings and grounds. The Business Office (accounts payable, accounts receivable, and cashier), food services (Bishop Dining Hall and catering), the Cougar Bookstore, maintenance and grounds, safety and security, parking, facilities reservations, and the information center comprise the functions supported by Administrative Services.

**Assessment & Institutional Research**

Assessment & Institutional Research facilitates and supports a culture of continuous improvement at WNCC. In collaboration with faculty and staff, this is accomplished through the assessment of student learning and experiences, the collection and review of institutional data, and college-wide planning in order to increase and enhance student success and operational efficiency.

**Education & Student Services**

By developing the seamless integration of services, Education and Student Services aims to create an effective student learning environment at WNCC, both in and out of the classroom.

WNCC is home to five academic divisions:
- *Academic Enrichment, Language, and Fine Arts*
- *Business and Applied Technology*
- *Health Sciences*
- *Math and Science*
- *Social Sciences and Human Performances*

Academic programs, course offerings, class registration, academic records, online and distance education, and dual credit and high school partnerships are all housed under Education and Student Services. The unit also supports non-credit opportunities such as adult basic education & GED programs, lifelong learning, and workforce development.

Education and Student Services offers a broad array of programs and services designed to enhance student learning, success, and personal development. These include academic advising, academic support centers (writing and math), career services, childcare assistance, disability services, diversity programming, international student support services, intramurals, library services, military/veterans’ support, new student orientation, personal counseling, residence life, student engagement and organizations, support for disadvantaged populations (TRIO), and testing and tutoring. Judicial and conduct issues are also addressed through the Dean of Students Office.

**Enrollment & Marketing Services**

Enrollment & Marketing Services is comprised of Admissions, Financial Aid, and PR & Marketing Services, which all share a common focus to promote the programs and services of the College to prospective students and the general public.

Athletics serves as the “front-door” to the College. WNCC encourages everyone to experience Cougar Pride through Intercollegiate Athletics: men’s baseball, men and women’s basketball, men and women’s soccer, women’s softball, and women’s volleyball.

Information Technology supports the efforts of all areas of the College, its students, faculty, and staff.

**Human Resources**

The Human Resources Office is responsible for a variety of functions and services related to full- and part-time employment including recruitment, compensation, benefits, training, and employee relations. Human Resources strives to promote a healthy work environment for all employees. Title IX enforcement is administered by Human Resources.

**Partnerships & Inclusion**

The staff of Partnerships & Inclusion work to establish connections in the communities across the 12 and a half counties served by WNCC, expand access to education and training for all Panhandle residents, and assure a welcoming environment for students and community members at each of WNCC’s physical locations.

**Advisory Committees**

WNCC is proud of its business and vocational programs both on and off campus. These programs are growing in scope and popularity primarily because they are relevant to student and area employer needs.

The success of these programs is due, in large part, to the knowledge and energy given to the programs by the advisory committee members. These industry-specific committees work with the staff and faculty to make the programs practical and meaningful. The committees assist the College in determining regional and student needs,
defining objectives, developing program content and serving as liaisons for student placement in internships and employment.

Committees (with Contact)

- **Applied Agriculture** (Charlie Gregory)
- **Automotive Technology** (Aaron Gayman)
- **Aviation** (Jon Leever)
- **Business & Info Technology** (Aletia Norwood)
- **Collision Repair & Refinish Technology** (Corey Batt)
- **Criminal Justice** (Tiffany Wasserberger)
- **Early Childhood Education** (Pasty Yager)
- **Emergency Medical Services** (Ken Boston)
- **Health Information Technology** (Nicole Danielzuk)
- **Medical Laboratory Technician** (Mwaafq Haji)
- **Nursing** (Rebecca Kautz)
- **Human Services** (Carrie Howton)
- **Perkins Advisory Committee** (Charlie Gregory)
- **Powerline Construction & Maintenance Technology** (Ed Salazar)
- **Surgical Technology** (Marcene Elwell)
- **Welding** (Russ Pontarolo)

College Personnel

**WCCA College Board Members**

Western Nebraska Community College’s Board of Governors’ is comprised of 11 elected members. The members represent five districts, with one member serving at large. The Board governs the College, sets policy, approves the budget, and sets the local College tax levy.

**District One**

- **Margaret Crouse**
  Board Member

- **Kimberly A. Marcy**
  Board Member

**District Two**

- **F. Lynne Klemke**
  Board Chairperson

- **R. J. Savely, Jr.**
  Board Member

**District Three**

- **Allan D. Kreman**
  Board Member

- **Richard G. Stickney**
  Board Vice Chairperson

**District Four**

- **Karen S. Anderson**
  Board Member

- **Coral E. Richards**
  Board Member

**District Five**

- **William M. Packard**
  Board Member

- **Linda A. Guzman-Gonzales**
  Board Member

**At-Large**

- **M. Thomas Perkins**
  Board Member

**Appointed (Ex-Officio)**

- **Lynne Koski**, **Board Treasurer**
- **Susan Verbeck**, **Board Secretary**
- **Faculty Representatives**
- **Student Representative**

**Administrative Leadership**

- **Carmen Simone**.................................President
- **John Marrin**.................................Interim Executive Vice President (CAO)
- **Bill Knapper**.................................Vice President
- **Enrollment & Marketing**
- **Lynne Koski**.................................Vice President
- **Administrative Services** (CFO)

**President’s Office**

- **Paula Abbott**.. Partnerships & Inclusion Executive Director
- **Kathy Ault**.. Human Resources Executive Director
- **Patrick Fortney**.. Assessment & Institutional Research
- **Executive Director**

**Administrative Services**

- **Dave Koehler**.................................Accounting Services Director
- **Cathy Bornschlegl**.............................Food Service Director
- **Rich Riddick**.................................Bookstore Operations Director

**Education & Student Services**

**Education Services**

- **Hallie Feil**.................................Dean of Instruction
- **Charlie Gregory**.............................Dean of Instruction and Workforce Development
- **Ellen Dillon**.................................Associate Dean of Instructional Services

**Tammie Kleich**. Academic Teaching & Tutoring Director

- **Doug Mader**.................................Workforce Development Director
- **Julie Newman**.................................CollegeNOW Director
- **Luke Stobel**.................................Student Success & Retention Director
- **Lori Stromberg**..............................Lifelong Learning Director
- **Mary Kay Versen**............................GED & Adult Basic Education Director

**Student Services**

- **Norman Coley, Jr.**. Dean of Students & TRIO Director
- **Brynn Elliott**.................................Assistant Dean of Students
Molly Bonuchi..........................Residence Life Director
Tonya Hergenrader..Career Pathways & Advising Director
Roger Hovey..................................Registrar
Norm Stephenson..........................Counseling Director/Disability Services Officer
Megan Wescoat..............................Student Engagement Director

**Enrollment & Marketing**
Ryan Burgner..........................Athletic Director
Gretchen Foster..........................Admissions Director
Sheila Johns..........................Financial Aid Director
Allison Judy..........................Public Relations & Marketing Director
Loren Moench..........................Information Technology Director

**Academic Division Chairs**
Jacklyn Cawiezelo...Social Sciences & Human Performance
Marcene Elwell..........................Health Sciences
Dan Joppa..........................Applied Technology
Jennifer Pedersen..........................Academic Enrichment, Language, & Fine Arts
Amy Winters..........................Mathematics & Science
Scott Winters (Interim)..........................Business & IT

**Faculty (by division)**

**Academic Enrichment, Language, and Fine Arts**
Deb Carpenter-Nolting..........................English
Brian Croft..................................English
Susan Dickinson..........................Foundations, ESL, & English
Robin Hayhurst .........Foundations & Professional Education
Nat Johnson ............Music (Instrumental Music Director)
Yelena Khanevskaya..........................Art
Francesca Mintowt-Czyz..........................Theatre
Patrick Newell..............Music (Vocal Music Director)
Jennifer Pedersen..........................English
William Sheffield..........................Speech & Forensics
Robynn Whittier..........................English
Stacy Wilson..........................Foreign Languages
Amy Wisniewski..........................Foundations & English

**Business and Applied Technology**

**Applied Technology**
Corey Batt...........Collision Repair & Refinish Technology
Aaron Gayman..........................Automotive Technology
Shane Homan..........................Powerline Technology
Dan Joppa..........................Technical Studies
Jon Leever..........................Aviation
Michael Mitchell..........................Aviation
Russell Pontarolo..........................Welding
Frank Riley..........................Automotive Technology
Edward Salazar..........................Powerline Technology

**Business**
Jeanette Johnson..........................Business/Office Technology
Jane Kelley..................................Accounting
William Loring..........................Information Technology
Alecia Norwood..........................Accounting & Business
Bill Spurgeon..........................Information Technology
Scott Winters..........................Business

**Health Sciences**
Ken Boston..........................Emergency Medical Services (Program Director)
Jessica Brumbaugh..........................Nursing
Jordan Colwell..........................Nursing
Kevin Dahlstedt..........................Nursing
Nicole Danielzuk..........................Health Information Mgt. Systems (Program Director)
Kelly Dean..........................Nursing
Marcene Elwell....Surgical Technology (Program Director)
Karalea Fisher..........................Health Information Mgt. Systems
Mwafaq Haji..........................Medical Laboratory Technician (Program Director)
Amber Jacoby..........................Nursing
Becky Kautz..........................Nursing (Program Director)
Erica Muhr..........................Nursing
Jennifer Seiler..........................Nursing
Sherri Yorges......Nursing (BNA/Medaid Program Director)
Pamela Zitterkopf..........................Nursing

**Math and Science**
Erandi Gunapala..........................Mathematics
William Hanson..........................Biology
Lorin King..........................Sciences
Andrew Lenzen..........................Mathematics
Dave Nash..........................Biology
Dave Nelson..........................Chemistry
Tracy O’Neal..........................Biology
Nancy Ressegueie..........................Mathematics
Tom Robinson..........................Mathematics
Scott Schaub..........................Mathematics & Engineering
Gus Seminario..........................Mathematics & Engineering
Andrew Shiers............................... Mathematics
Amy Winters............................... Mathematics

**Social Science and Human Performance**
Royce Ammon................................. Social Sciences
Jacklyn Cawiezelt............................. Psychology
Colin Croft................................. Social Sciences & Humanities
Carrie Howton.............................. Human Services & Psychology
Doug Jones................................. Athletic Training
Mike Jones................................. Physical Education
Tiffany Wasserburger....................... Criminal Justice
Patsy Yager................................. Early Childhood Education

**Libraries**
Allison Reisig............................... Technical Services Librarian
Academic & Student Support Services

Blackboard Learn & Collaborate
Blackboard Learn is a Web-based course management system designed to allow students and faculty to participate in classes delivered online or to share online materials and activities to complement face-to-face teaching and learning. Blackboard Learn enables instructors to provide students with course materials, discussion boards, virtual chat, online quizzes and lectures, and more. Blackboard Collaborate is a webinar system that allows students to connect real-time to a class from home. Students will utilize Blackboard Learn & Collaborate throughout their enrollment at WNCC.

Bookstore
The Cougar Bookstore is operated by WNCC on the Scottsbluff campus.
New and used books are sold at the beginning of each semester and can be delivered to the Alliance and Scottsbluff campuses.
Books may also be purchased online at wncc.edu/student-life/bookstore. If the text is to be used again, books are purchased at the end of each semester for resale. General merchandise is also sold in the bookstore and online at wncc.edu/student-life/bookstore such as art supplies, school supplies, novelties, greeting cards, and College apparel.

Career Pathways & Advising Center
The staff of the Career Pathways and Advising Center are committed to providing academic advising and career resources that promote knowledge of self, career exploration, and job search skills. The center empowers students to make decisions, develop a plan, and achieve academic and career goals as part of a life-long process. Services available through the center include:
- career exploration and academic navigation
- career screening assessment and interpretation of results
- career development services, for students and alumni
- job application, resume, cover letter, and interview assistance
- occupational salary, outlook, availability, and training information
- online posting of job opportunities
- connections with employers, internships, and job shadowing opportunities

The Career Pathways and Advising Center is located on the Scottsbluff campus but serves all locations and all students, including CollegeNOW! students. In Alliance, career assistance resources are located in the administrative area; in Sidney, the resources are located in the library. Students from Alliance and Sidney can also contact the center for phone, Zoom, or in-person appointments.

Counseling Services
Wellness is a lifestyle that maximizes human potential. It involves striving for growth—socially, physically, emotionally, intellectually, spiritually, and in a career—and having a positive state of mind. The WNCC Counseling Services Office strives to help students achieve their highest potential. Counselors provides short-term counseling services to all students upon request and at no additional charge. The counselors are available to discuss personal, academic, and career questions or problems. All counselors are committed to providing students with the opportunity for a successful educational experience at WNCC.

Personal Counseling
Counseling Services serves as a comprehensive resource for the personal growth and life skills development of students. Personal counseling is available at all three locations by appointment to discuss concerns about school, relationships, parents, gender issues, substance use and abuse, divorce, or other personal issues. Experienced, professional counselors offer assistance in a variety of personal development areas, including stress management, acquaintance rape education, wellness education, and improved self-image.

Disability Services
WNCC is committed to providing support for all students so they may achieve their academic potential. Services are provided to give WNCC students with disabilities equal opportunity for success. WNCC is committed to providing students with disabilities full access to regular courses and full participation in the services and activities of the College.
Students qualifying for academic and residence hall accommodations are encouraged to contact the WNCC Counseling Director at 308.635.6090.
Copies of the policies and procedures for Disability Services are available from the Counseling Director and Dean of Students in Scottsbluff; the front offices in
Alliance and Sidney; and by accessing the WNCC Disability Services website.

**eHelp**

*libguides.wncc.edu/ehelp*

eHelp assists students, staff, and faculty with access and basic technical problems using the WNCC portal, WNCC e-mail, and Blackboard. eHelp assistance is available by phone, chat, text, or through an ever-expanding online knowledge base on the eHelp center website.

Please contact eHelp by phone at 308.635.6071, by email at ehelp@wncc.edu, or by text at 308.225.5015.

**Housing & Dining Services**

In Scottsbluff, WNCC operates two on-campus residence facilities: Pioneer Hall, which offers accommodations for 160 single students and Conestoga Hall, which offers housing for 148 single students. In addition to traditional living amenities, both facilities offer students a great place to study, network, make friendships, get involved, learn a new culture, and participate in student activities.

All students living in Pioneer Hall and Conestoga Hall are required to participate in a 19- or 14-meal plan program. Meal plans include two components to ensure flexible and fulfilling options: all-you-care-to-eat meals and Cougar Dollars. Cougar Dollars may be used to purchase a meal for visiting family or friends in the Bishop Dining Hall. Additional funds may be added to Cougar Dollars at any time. Meal options are also available for students living off-campus.

While on-campus housing is not available in Alliance, the Chamber of Commerce has information regarding available rooms and apartments. In Sidney, WNCC operates two housing units that accommodate 24 students. Dining services are not available in either Alliance or Sidney.

For more information about housing at WNCC and to find an application, please go to wncc.edu/student-life/residence-life. Information about dining services can be found at wncc.edu/student-life/dining-on-campus.

At all locations, WNCC is not responsible for off-campus housing.

**Immunization Policy**

With the continued growth of WNCC, there is an increasing population of domestic and international students residing in campus housing. The College believes it is in the best interest of students, faculty, and staff to adopt a proactive stance concerning student immunizations.

The following recommendations are based on CDC (cdc.gov) and the American College Health Association (acha.org) guidelines:

WNCC **REQUIRES** proof of childhood immunizations for students applying to reside in on-campus housing, including:

- Polio series
- DPT series plus appropriate boosters
- Two MMRs or proof of titer
- Hepatitis B titer demonstrating proof of immunity
- Meningococcal tetravalent injection

For all international students, a TB test is also required.

Students may also want to consider the following optional vaccinations:

- Varicella (Chicken pox)
- Flu and Pneumonia
- Human Papillomavirus (HPV)

**Student Health Statement**

Each residence life student is requested to submit a self-reported medical history at the time of initial enrollment. It is further requested that the student update his or her medical history each semester if there is a change in any health-related condition.

**Identification Card**

The Student Services Offices in Scottsbluff, Alliance, and Sidney issue WNCC ID cards at the beginning of each semester. Identification cards are required for meal plan usage (no exceptions) and admittance to College activities such as athletic events, dances, etc. Charges for activities are set individually, but the ID card often provides no-charge or a reduced admission rate. In Scottsbluff, the Road Runner Bus is free with a valid ID card. The ID in Sidney also allows access to the Cheyenne County Community Center.

**Library**

*libguides.wncc.edu/library*

The WNCC Library is located in the Main Building on the Scottsbluff campus with a branch location on the Sidney campus. There are also selected library resources available on the Alliance campus.

Librarian staff in the WNCC Library on the Scottsbluff campus are available to assist students with research needs and using the library’s resources. Support is also available by email, chat, SMS text messaging, and phone, which can be accessed through the library’s website.

The WNCC Library offers a large selection of electronic and print resources supporting the curriculum, student learning, and members of the community. Free charging
stations for cell phones, tablets, and other electronic devices are available for use both in the Scottsbluff campus library and throughout the Learning Commons. Library materials can be searched and accessed through the library web page at libguides.wncc.edu/library. Magazines, newspapers, audio books and DVD’s are available in the Scottsbluff and Sidney libraries. Interlibrary loans for items not found in the library collection are available to students, faculty, and staff. Laptop and tablet computers in addition to calculators are available for checkout in the Library on the Scottsbluff campus.

The libraries in Scottsbluff and Sidney have computer labs that offer a range of software as well as printing. Quiet study is encouraged throughout the library, but study rooms are available in the Scottsbluff library.

**Education Success Center**

The Education Success Center (ESC) is located within the Sidney campus library. The ESC provides academic support services outside of the classroom setting.

For more information, please email the library at library@wncc.edu, call 308.635.6068, or text 308.225.5015.

**Military and Veterans Affairs Office**

The Military and Veterans Affairs Office at WNCC is the certification site for Veterans Administration educational benefits including:

- Montgomery G.I. Bill (Chapter 30)
- Vocational Rehabilitation (Chapter 31)
- Post 9/11 G.I. Bill (Chapter 33)
- Dependents Benefits (Chapter 35)
- Veterans Opportunity to Work (VOW)
- Hire Heroes Act of 2011 (VRAP)
- National Guard and Reservists (1606 and 1607)
- MyCAA Program (active duty military spouses)

The office also supports the Student Veterans Organization and works in conjunction with TRIO Veterans Upward Bound Program.

All military connected students and family members are encouraged to visit the office. Please go to wncc.edu/student-life/student-services/military-veterans-services or call 308.635.6042 for more information.

**New Student Orientation**

New Student Orientation is held prior to the beginning of spring and fall classes for all new transfer and incoming students. The orientation is an exciting experience that gets students ready for both in class and out of classroom experiences. New students meet current students, staff, and faculty and begin long-lasting friendships. New Student Orientation helps students navigate the campus and introduces them to the resources they need to make informed decisions about majors, financial aid, books, student support services, housing, graduation, and student organizations. For more information, please contact orientation@wncc.edu.

**Student Accounts**

The Business Office offers payment plan options to help students pay for their educational costs. Please see www.wncc.edu/admissions-aid/ tuition-fees/index for more information about the cost of attendance. It is expected that students who take advantage of a payment plan will follow up on all payment arrangements and ensure that the funds are applied to the costs of education. Students may access their student account information 24 hours a day, seven days a week by logging into the myWNCC portal under self-service. Payments can be made online by credit card.

**Non-Payment**

When a student has a past due account, he or she may be in jeopardy of being withdrawn from current classes and a hold will be placed on his or her account to prevent future enrollment, living in College housing, obtaining a transcript, or graduating. A student will be notified by the Office of the Registrar via his or her WNCC email if any actions are taken regarding registration. A student must confirm the status of his or her registration and keep attending class unless notified otherwise.

Questions regarding the status of registration and verification if an administrative withdrawal for non-payment has occurred should be directed to the Office of the Registrar at 308.635.6012.

When a student is withdrawn for nonpayment, the account is still due in full and may be sent to collection. A student is responsible for all fees associated with collection and is not relinquished from his or her financial responsibilities.

If there are issues with paying tuition, fees, or charges, students should first contact the WNCC Business Office at 308.635.6020. Other offices of potential support are the Financial Aid Office at 308.635.6011 and the Office of the Dean of Students at 308.635.6050.

**Student Activities and Organizations**

Many of the most beneficial experiences and lasting impressions in college are those acquired in co-curricular activities. Student activities programs at WNCC are varied in order to appeal to the interests and meet the needs of
all students. Some student organizations are primarily social, while others are academic, professional, recreational, or service oriented. Opportunities exist to develop students’ leadership skills, and programs such as intramural sports give students the opportunity to enjoy familiar sports with new friends. There are opportunities to meet any student need!

Any student activity must have the approval of the campus administration and be sponsored by a member of the faculty or staff. Faculty, staff, and students are invited to attend and participate in these programs.

Student organizations at WNCC may vary from year-to-year in accordance with changes in student interests and needs. Detailed descriptions of student organizations can be found in the Student Handbook or at wncc.edu/student-life/get-involved/index.

Student Health and Insurance

WNCC does not provide medical, hospital, or surgical services. The College, likewise, assumes no responsibility for students who are injured when taking part in intramural sports, physical activity courses, class activities, or student activities.

It is the responsibility of students to provide their own health and accident insurance, as well as insurance on personal items in student housing if so desired. The College does not carry such insurance. Although the College does not endorse any particular company, the College attempts to offer the option of student health insurance each semester. Application forms and a statement of coverage and costs are available in the Student Services Office.

Support for Transferring Students

Transfer of Credits to Other Colleges

WNCC makes every effort to assist students wishing to transfer to other colleges and universities. The generally accepted requirements for transfer to another institution include a minimum of “C” grades in coursework and a program taken at WNCC that corresponds with the program at the institution to which the student is transferring. The student works with a faculty advisor and transfer advisor to plan a course of study that enables the student to meet the requirements of the four-year institution. Most four-year institutions recommend that the student complete general educational requirements and lower division courses at the community college level.

Transfer Advising

A transfer advisor is available to assist students who are planning to transfer to a four-year or other institution. Transfer advisor can provide information regarding transfer procedures and deadlines, contact people at the receiving institution, applications, catalogs, and other general information. Transfer advisor can assist the student in selecting an institution and coursework necessary to transfer to that institution. It is strongly recommended that students meet with a transfer advisor as early as their first semester of enrollment at WNCC. Again, students who transfer before graduating will be encouraged to complete their degree by utilizing the Reverse Transfer program. Students can also use resources such as transferology.com or transfer.nebraska.edu to search for course equivalencies to transfer institutions.

Testing and IT Certifications

WNCC offers a wide range of computer-based pre-professional and professional tests. Examples of computer-based tests include the Nebraska Real Estate exam, Microsoft, Office Specialist and Expert certifications, GRE, PRAXIS, CPA, EMT, and many other information technology, financial, medical, and technical trade certifications.

For further information about these tests, contact the Academic Testing and Tutoring (AT&T) Coordinator at 308.635.6070.

In addition, a professional testing center is located at the Harms Center for information technology certifications. This makes it possible for information technology students to take industry certification exams at the completion of specific courses. Certifications are internationally recognized and reflect a student’s ability to troubleshoot and maintain the latest technologies.

For further information on any computer-based testing opportunities, contact the Harms Center at 308.635.6700.

Transcript Requests

Students are able to access an unofficial academic history of their courses and grades at any time through their online portal. To request official transcripts, go to wncc.edu/academics/registrar/request-transcript and follow the instructions. In most cases, the transcripts are sent electronically and a fee applies. No transcript is released until all financial obligations to the College have been satisfied. Transcripts are processed within one or two business days for students who submit the requested information.

TRIO Programs

TRIO programs are federally funded under Title IV of the Higher Education Act of 1965. Student financial aid programs help students overcome financial barriers to higher education, but TRIO Programs are educational
opportunity programs that help students overcome class, social, and cultural barriers to postsecondary education. The programs are designed to assist qualified college students, high school students, and military veterans.

**TRIO Student Support Services** helps qualified college students persist toward completion of a certificate, diploma or associates degree, and encourages transfer and four-year college graduation.

For more information about the TRIO SSS program, visit [wncc.edu/student-life/student-services/trio-sss](http://wncc.edu/student-life/student-services/trio-sss).

**TRIO Veterans Upward Bound** program provides academic, career, and financial assistance to qualified veterans at no cost.

For more information visit [wncc.edu/student-life/student-services/military-veterans-services](http://wncc.edu/student-life/student-services/military-veterans-services).

**Tutoring**

Free tutoring services are available to all WNCC students. Professional and student tutors provide assistance in one-on-one or group settings so that students can find a learning environment to fit individual needs.

For more information, visit the Academic Testing and Tutoring Center at [wncc.edu/academics/academic-resources/academic-testing-tutoring](http://wncc.edu/academics/academic-resources/academic-testing-tutoring).

**Math Center**

Located on the second floor of the Main Building on the Scottsbluff Campus, the Math Center, staffed with trained tutors with degrees in mathematics, are available to help students tackle any math assignment or concept that is proving to be a challenge. Online support is also available through the center. More information can be found at [wncc.edu/academics/academic-resources](http://wncc.edu/academics/academic-resources).

**Writing Center**

The Writing Center provides certified tutors to help students with a variety of writing assignments including essays, research papers, speech outlines, resumes, and scholarship applications. The Writing Center also hosts mandatory labs for students enrolled in Basic Writing and Developmental Writing courses. Located on the second floor of the Main Building, online support is also available through the center. More information can be found at [wncc.edu/academics/academic-resources](http://wncc.edu/academics/academic-resources).
Student Rights & Responsibilities

Absence from Class Policy

Attendance and participation are necessary and required components to successfully completing a course. Successful students attend class regularly, come to each class prepared, and engage in class activities. Classes at WNCC are set up in a format in which students will not only be participating in lectures and discussions, but they will also be experiencing a variety of activities throughout the semester that will help them master the material. It is vital for students’ success that they have the ability to experience these different learning tools for maximum benefit from the course. Students who are repeatedly tardy or absent from class will be missing vital components necessary for their success. Students should review their respective instructor’s attendance policy found in the class syllabus.

For additional information, please see “Attendance” in the “Academic Policies” section on page 54 of this catalog.

Academic Integrity Policy

Academic integrity forms a fundamental bond of trust between colleagues, peers, teachers, and students, and it underlies all genuine learning. At WNCC, there is no tolerance for plagiarism or academic dishonesty in any form, including unacknowledged “borrowing” of proprietary material, copying answers or papers, using crib sheets, unauthorized help during exams, altering tests, or passing off someone else’s work as one’s own. A student can be accused of an academic integrity policy violation by an instructor, staff member, or another student(s).

A breach of ethics or act of dishonesty can result in:

- failure of graded material (including but not limited to an assignment, paper, project, quiz, or an exam within a course/instructor level)
- failure of an entire course (institutional-level)
- suspension or expulsion from the College (institutional-level)

Any form of academic dishonesty represents a grave breach of personal integrity and of the rules governing WNCC’s community of learners. Academic dishonesty includes, but is not limited to:

- cheating in any form
- plagiarizing in any form
- aiding someone else in cheating or plagiarizing

Consumer Information

The Higher Education Act of 1965, as amended by the Higher Education Opportunity Act of 2008, requires all accredited colleges and universities to disclose such information to current and prospective students, employees, and members of the public. This includes specific information about student financial aid, campus security, student outcomes and rights and responsibilities. This information can be found at wncc.edu/about-wncc/consumer-information.

Copyright Information

WNCC is committed to the education of its students and endeavors to make students aware of the policies that govern the use of printed and online materials. In general, copyright infringement occurs when a person makes a copy of any copyrighted work, such as music, video, software, cartoons, photographs, stories, or novels, without permission (i.e., a license) from the copyright owner and without falling within the specific exceptions provided for under the copyright laws. Employees and students are prohibited from using WNCC’s network to access, download, upload, or otherwise share copyrighted materials without permission, making a fair use, or falling under another exception under copyright law.

Drug and Alcohol Policy

WNCC policy prohibits the unlawful possession, use, or distribution of illicit drugs and/or alcohol by students and employees on College property or as a part of any College activities. Any student or employee of the College who violates this policy is subject to disciplinary action. State and federal laws and any applicable city ordinances pertaining to the possession and use of alcoholic beverages and illicit drugs shall also be enforced.

In addition, WNCC publishes information pursuant to the Drug-Free School and Community Act (DFSCA) outlining the College’s efforts under the act. The DFSCA material addresses standards of conduct; legal prohibitions and sanctions; health risks of drug and alcohol use; disciplinary actions; and drug and alcohol services.

These materials are accessible on the WNCC website at wncc.edu/about-wncc/consumer-information.
Family Educational Rights & Privacy Act (FERPA)

It is the policy of WNCC to comply with the Family Educational Rights and Privacy Act (FERPA) of 1974 as amended by the Higher Education Amendments of 1998 (34 CFR Part 99). FERPA affords eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution at any age.)

The law provides three fundamental rights to students who attend post-secondary institutions:

- Right to inspect and review education records
- Right to request amendment of education records
- Right to limit disclosure of “personally identifiable information” contained in education records

Additionally, students have the right to file a complaint with the U.S. Department of Education:

Family Policy and Compliance Office
U.S. Department of Education
4000 Maryland Avenue, SW
Washington, DC 20202-4605

In compliance with FERPA, the following items are considered directory information:
1. Student’s name
2. Address
3. Telephone listing
4. Email address
5. Date and place of birth
6. Major field of study
7. Enrollment status (e.g., undergraduate or graduate; full-time or part-time)
8. Grade level
9. Dates of attendance
10. Degrees, honors, and awards
11. Most recent previous educational agency attended or institution attended
12. Participation in officially recognized activities and sports
13. Weight and height of members of athletic teams

In the event a student does not want the directory information released, he/she must submit, in writing, the specific information to be withheld to the Office of the Registrar. This must be done each semester that the exclusion is to apply.

The FERPA revisions of 1998 permit schools to notify parents of students who are under the age of 21 if such student is found responsible for violating institutional policies regarding alcohol and other drugs.

Authorization for Release of Information

Students who wish to provide confidential information (such as grades, academic progress reports, financial aid information, etc.) to specified individuals may make this authorization online through their WNCC portal. Alternatively, students may complete a form in the Student Services Office on any of the three campuses to make this authorization.

Questions related to FERPA may contact the Office of the Registrar at 308.635.6012, and additional information is available in the WNCC Student Handbook.

Equal Access Policy

Western Nebraska Community College seeks to make all programs, services, including electronic, accessible to people with disabilities. In this spirit, and in accordance with the provisions of Sections 504 and 508 of the Rehabilitation Act and the Americans with Disabilities Act (ADA), WNCC provides students, faculty, staff, and visitors with reasonable accommodations to ensure equal access to the programs and activities of the college. For assistance or further information, students with disabilities should contact the Counseling Director at (308) 635-6090. Additional information is available in the Transition Guide for Students with Disabilities on the WNCC Web site under Disability Services.

Discrimination, Harassment, and Retaliation

Western Nebraska Community College is committed to providing a college environment free from harassment, discrimination, and retaliation, and all students, employees, volunteers, and visitors are prohibited from participating in any harassment, discrimination, or retaliation based on any protected class status.

If a student feels that he or she is the victim of discrimination, harassment, or retaliation, it is important to remember that there are supportive staff at WNCC who are available to discuss and help clarify what constitutes discrimination, harassment, or retaliation and the action steps that can be taken.

The College has established both formal and informal procedures to report complaints. To file a complaint or get help, students should seek assistance through the chief human resources officer who is also WNCC’s Institutional Civil Rights Officer and Title IX Coordinator.
Human Resources Executive Director
1601 East 27th Street, Scottsbluff, NE 69361
308-635-6105

More complete information about the reporting process can be found in the **WNCC Student Handbook**.

Students should not wait to report conduct of concern until harassment becomes sufficiently serious (i.e., severe, pervasive, or persistent) to create a hostile environment. Off-campus harassment, misconduct, or violence that creates a hostile environment on campus should be brought to the attention of the College.

**No retaliation**

No one at Western Nebraska Community College may reprimand, discriminate, or otherwise retaliate against an individual who initiates an inquiry or complaint in good faith, nor against other individuals who share information related to the complaint.

**Student Complaint Process**

WNCC strives at all times to provide the highest quality of service and the best student experience possible. Students are encouraged to report any complaints or observed violations of state, federal, and local laws with appropriate staff members. If a student is unsure of how to direct an issue, he or she should contact the Office of the Dean of Students:

Phone: 308.635.6050


Additional information about the complaint process can be found in the **WNCC Student Handbook**.

**Filing a Complaint with the State of Nebraska**

If a student wishes to file a complaint with the State of Nebraska regarding a potential institutional violation of state law, he or she is encouraged to contact the Nebraska Coordinating Commission for Postsecondary Education:

Phone: 402.471.2847

Web: [www.ccpe.nebraska.gov/student-complaint-form](http://www.ccpe.nebraska.gov/student-complaint-form)

**Filing a Complaint with the Higher Learning Commission**

If a student wishes to file a complaint with the Higher Learning Commission, he or she is encouraged to contact the office:

Phone: 1.800.621.7440

Web: [www.hlcommission.org/Student-Resources/complaints.html](http://www.hlcommission.org/Student-Resources/complaints.html)

**Smoking Policy**

It is the primary goal of the College to promote a safe and healthy environment for students, faculty, staff, and visitors on property owned and operated by the College. The intent of this policy is to protect the rights of the nonsmoking community to breathe smoke free air and to reduce the health risks associated with tobacco. Smoking is prohibited on all property owned or operated by the College, including but not limited to all College buildings and vehicles.

Smoking is defined as the use of tobacco products that produce smoke or vapor emissions, including electronic cigarettes and any lighted cigarettes, cigars, pipes, hookah pipes, or other lighted smoking equipment.

Products used for cessation of tobacco use approved by the U.S. Drug and Food Administration, including alternative nicotine products, such as nicotine patches or medication, shall be allowed on College property as long as the product does not produce smoke or vapor emissions. Compliance with this policy shall be the responsibility of all employees, students, and visitors.

**Student Conduct**

WNCC expects students to conduct themselves as responsible law-abiding citizens. After determination of misconduct, a student may be disciplined in accordance with the sanctions of the Student Code of Conduct available in the Student Services Office and online at [wncc.edu/about-wncc/consumer-information](http://wncc.edu/about-wncc/consumer-information).

**Student Right to Know & Campus Security Act**

In compliance with federal regulations, WNCC annually compiles reports that indicate the College’s graduation rates and the institution’s current security program and crime statistics.

The Campus Security Act of 1994 (34 CFR Part 668) requires the College to report campus crime statistics for the following categories: murder/non-negligent manslaughter, forcible sex offenses, non-forcible sex offenses, robbery, aggravated assault, burglary, motor vehicle theft, arson, and negligent manslaughter.

The campus crime statistics reports are available from Student Services or online through the Office of Postsecondary Education at [ope.ed.gov/campussafety](http://ope.ed.gov/campussafety).

The graduation completion rate report is available at [wncc.edu/about-wncc/consumer-information](http://wncc.edu/about-wncc/consumer-information).
Title IX Statement

Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in any educational institution that receives federal funding. WNCC strictly prohibits any form of sexual harassment, which includes sexual harassment, sexual assault, dating violence, domestic violence, and stalking. All reported incidents will be thoroughly investigated and those found responsible dealt with as necessary, whether criminally charged or handled through the College’s sexual harassment grievance and investigation procedure. College policy also prohibits retaliation against a person for reporting sexual harassment or participating in the investigation or resolution of such a complaint.

Help and support are available for any student who experiences any form of sexual harassment. Questions or concerns about a student’s rights or the resources available or to file a Title IX complaint, should contact the College’s Title IX Coordinator:

Human Resources Executive Director
1601 East 27th Street, Scottsbluff, NE 69361
308-635-6105

If a student wishes to speak to someone confidentially, he or she should contact the Counseling Director at the WNCC Counseling Center on the Scottsbluff campus or by calling 308.635.6090. Appointments are available at all WNCC locations.

For more information about reporting options and resources at WNCC and in the community, please visit wncc.edu/about-wncc/consumer-information.

Voter Registration

Western Nebraska Community College encourages all students to exercise their right to vote. Visit sos.state.ne.us/elec/ele_forms.html to download a voter registration form.

Weapons Policy

The illegal possession, use or sale of firearms, ammunition, major or minor explosives, or any lethal weapon is forbidden and subject to College discipline as well as criminal sanctions. The College prohibits permit holders who are authorized to carry a concealed handgun from carrying a concealed handgun into or upon the property of Western Community College Area, which operates WNCC.
Admission, Cost of Attendance, Financial Aid, and Enrollment

Admission

Western Nebraska Community College has an open admissions policy. Anyone who can benefit from instruction has the right to pursue an education at WNCC.

Requirements for Admission

A degree-seeking student must submit an application for admission. An application can be completed online at www.wncc.edu/admissions-aid/index.

It is highly recommended that the student provide an official transcript from an approved or accredited high school or home school, or present an authorized transcript reflecting passing scores on the General Education Development test (GED). The student must submit Next Generation ACCUPLACER®, ACT, or SAT scores completed within the past three years. Students can arrange to take the Next Generation ACCUPLACER® on campus by contacting the Testing Center to schedule testing. For more details on Next Generation ACCUPLACER®, see page 53.

Students meeting the above admission requirements are admitted regardless of age, sex, ethnic origin, national origin, or disability.

Please note: There may be additional requirements beyond those stated above for students to be eligible for certain financial aid benefits. In addition, the student must have passed the GED or have graduated from an accredited high school in order to be eligible for financial aid.

Students with Prior Degrees

Students who can document with an official transcript that they have received an associate of arts, associate of science, or bachelor's degree from an accredited higher education institution are exempt from the Next Generation ACCUPLACER® placement requirements. However, students may still need to complete prerequisite courses to satisfy program requirements as deemed necessary by their academic advisor and the Registrar.

Admissions Procedures

1. Complete an admissions application online at wncc.edu/admissions-aid/how-to-apply/index.
2. Request that official transcripts be sent from high school.
3. Submit official transcripts for colleges previously attended to the Registrar’s Office in Scottsbluff.
4. Submit a report of ACT, SAT, or Next Generation ACCUPLACER® scores if available.
5. Complete the Next Generation ACCUPLACER® basic skills assessment unless exempt. Students can arrange to take the Next Generation ACCUPLACER® on campus by contacting 308.635.6050. For more details on the ACCUPLACER®, see page 53.
6. Some programs have special admission requirements. See the catalog page of the program in which you are interested for further information.
7. No fee is required for application or admission. A letter of acceptance is sent from the Admissions Office after your application is processed.
8. Nebraska Residency Attainment. Out-of-state students may obtain Nebraska residency if they meet any of the following criteria:
   a) Are married to a Nebraska resident.
   b) Have graduated from a Nebraska high school and have re-established a residence in the State of Nebraska.
   c) Have lived for six consecutive months in Nebraska and can show proof of fact (see below).
   d) In addition to meeting any of the above requirements, documentation of three of the following six items must be supplied:
      i) Employed in Nebraska;
      ii) Payment of State of Nebraska income taxes;
      iii) Voter registration;
      iv) Nebraska driver’s license;
      v) Registration of vehicle as a resident of Nebraska; or
      vi) A checking or savings account with a Nebraska financial institution.

All residency applications must be filed with the Registrar’s Office before the second week of the semester in which the student wishes to claim residency. Further information is available in the Registrar’s Office.

International Students

International students (non-U.S. citizens) have additional admission requirements. Immigration laws require
international students to attend college on a full-time basis. To be admitted to Western Nebraska Community College, international students must complete all general admissions requirements and all special admission requirements listed below.

The issuance of the Certificate of Eligibility, Form I-20, is made only upon completion of all admission requirements. It is the responsibility of the applicant to make all necessary arrangements through official channels for entrance into the United States.

Applicants residing in a foreign country should make application six months prior to the anticipated enrollment date. Students in the United States should allow four months to complete the admission process. To meet all special admission requirements, international students should send the following to ATTN: International Admissions, Western Nebraska Community College, 1601 E. 27th Street, Scottsbluff, NE 69361:

- A completed International Admissions Application
- Copies of high school or secondary school transcripts, diploma, exit exam results, or other documents that show successful completion
- Proof of English proficiency
- Proof of financial support to cover all costs for one academic year
- A copy of the applicant’s official passport or other government issued photo ID

All documents must be in English or include an English translation.

**In Addition:**

- If admitted, students must comply with all local, state, and federal laws of the United States of America, as well as College policies.
- Only international students with a student visa are admitted.
- International students present in the United States on temporary visas are considered non-residents for purposes of tuition payment. Length of stay, payment of taxes, ownership of property, etc., do not imply legal residency.
- International students for whom an I-20 form was submitted must maintain satisfactory academic progress as a fulltime student each term.

**Non-Degree Seeking Students**

Students are considered non-degree seeking if they are:

- Intending to enroll in coursework to transfer to another college or taking courses for personal enrichment;
- Taking CollegeNOW! or courses to earn college credit while enrolled in high school;
- Taking Allied Health courses to earn a credential in Basic Nursing Assistant or Medication Aide;
- Enrolled at the Pine Ridge Job Corp; or
- Senior Citizens with a Gold Card.

Please see the Admissions Office for additional registration information.

Students must complete the Non-Degree Seeking CollegeNOW! Registration Form, which can be found at [wncc.edu/admissions-aid/how-to-apply/index#nondegreeseeking](http://wncc.edu/admissions-aid/how-to-apply/index#nondegreeseeking). No fee is required for completing the Non-Degree Seeking CollegeNOW! Registration Form. Prerequisite basic skills assessment scores must be met prior to course entry.

It is highly recommended that the student provide an official transcript from an approved or accredited high school or home school, or present an authorized transcript reflecting passing scores on the General Education Development test (GED). The student must submit Next Generation ACCUPLACER® ACT, or SAT scores completed within the past three years. Students can arrange to take the Next Generation ACCUPLACER® on campus by contacting the Testing Center to schedule testing. For more details on Next Generation ACCUPLACER®, see page 53.

Students meeting the above admission requirements are admitted regardless of age, sex, ethnic origin, national origin, or disability.

Non-degree seeking students interested in pursuing a degree-seeking program of study must complete the admissions process for degree seeking students.

**High School Students**

**CollegeNOW!**

Students taking WNCC courses either at the high school they are attending or on one of the three WNCC campuses must be junior- or senior-level students. The Dean of Students must approve any exceptions. Students must complete the Non-Degree Seeking CollegeNOW Registration form, which can be found at [wncc.edu/admissions-aid/how-to-apply/index#nondegreeseeking](http://wncc.edu/admissions-aid/how-to-apply/index#nondegreeseeking).

Registration forms need a parent/guardian and high school counselor/principal’s signature and registrations are not entered until these signatures are obtained. Required Next Generation ACCUPLACER® and/or ACT scores must be submitted to the College prior to registration.

High school students taking on-site WNCC classes are asked to sign an “Authorization Grade Disclosure” for parents or others who may need/want access to their grades.
Homeschooled
Students who were homeschooled are requested to present a transcript from parents/guardians or a recognized homeschooling organization showing courses completed and grades. Homeschooled students need to be at the junior- or senior-level to take College courses. The Dean of Students must approve any exceptions to these guidelines. Prerequisite basic skills assessment scores must be met prior to course entry. Students must complete the Non-Degree Seeking/CollegeNOW Registration form, which can be found at wncc.edu/admissions-aid/how-to-apply/index#nondegreeseeking.

Registration forms need the signatures of a parent/guardian and the CollegeNOW! Director. Registrations are not entered until these signatures are obtained. Required Next Generation ACCUPLACER and/or ACT or SAT scores must be submitted prior to registration.

Cost of Attendance

The following tuition and fees are estimated costs at the time of publication. Please visit www.wncc.edu/admissions-aid/tuition-fees/index for current cost of attendance figures. WNCC reserves the right to change the schedule of tuition, fees, and refunds without notice. Tuition and fees are payable before the first day of class unless other arrangements are made with the Financial Aid Office or Business Office. All financial obligations must be settled before the student is allowed to register for additional semesters. Students who take classes for audit are also charged tuition and fees.

Tuition for 2020-2021

These costs are subject to change. For current information, visit www.wncc.edu/admissions-aid/tuition-fees/index.

Nebraska Resident

Tuition per credit ................................................. $106.50
High School Partnership ......................................... $ 53.25

Non-Resident

Tuition per credit ................................................. $107.50

Adult and Continuing Education

Tuition per noncredit course .................................Varies

Fees for 2020-2021

(Activity, facility use, instructional technology, and scholarship)

Resident (per credit hour) ..............................................$17.50
Non-Resident (per credit hour) ..............................$17.50
High School Partnership .................................$ 8.75
International Student Registration (per semester)...$150.00
Experiential Learning (per cr. hr.) .................$25.00
Photography (per credit hour) .............................................$15.00
Transcript (official e-copy) ..............................$ 5.55
ACCUPLACER® retest ..............................................$15.00
BNA or Medication Aide retest fee ..............$50.00
GED Testing ..................................................$120.00

Aviation Note: Students should plan for approximately $1,170 for FAA testing fees during the third and fourth semesters.

Course Fees: Some courses assess an additional fee for consumable expenses directly related to participation in a course. The current list of courses requiring an additional course fee can be found at wncc.edu/admissions-aid/ tuition-fees. This list is subject to change.

If a course has a fee associated with it, students will see the fee listed in the semester course schedule. Students can also consult with their academic advisor.

Estimated Expenses for 2020-2021

The following is an estimated budget for two semesters of study for full time, resident, unmarried students. Some areas may vary depending upon such items as (1) educational program, (2) personal spending habits and, (3) place of residence. Please visit our website at wncc.edu/admissions-aid/ tuition-fees for the current year’s budget.

Tuition and Fees (24 credits) .................................$2,976.00
Books ..................................................................$1,500.00
Personal Expenses .................................$1,797.00
Transportation ...........................................$1,740.00
Room and Board ....................................$2,674.00
Total .................................................................$10,687.00

Tuition Refund Policy

Tuition refunds are based on the percent of course time that has elapsed. After the No Penalty Drop/Add Period ends, course fees are not subject to refund.

Time Elapsed Percent Refunded
6.25% ................................................................. 100%
12.50% ............................................................. 50%
25% ................................................................. 25%
More than 25% ................................................. None

NOTES:
- To be eligible for a refund, students must complete and submit a signed copy of the Drop/Add Form.
Financial Aid

An important consideration for most students is financing their college education. This section provides information about the types of aid available, procedures for applying for financial aid, and the criteria used in selection of financial aid recipients. The student and his/her family have the primary responsibility for financing a college education. However, WNCC participates in a wide variety of federal, state, private, and institutional programs designed to assist families with college-related expenses when their own resources are insufficient. These programs include grants and scholarships, work programs, and low-interest loans. Financial aid packages are structured to meet the particular needs of each recipient and may vary according to financial resources available and the student’s enrollment level. New applications are required for each academic year of enrollment for most types of aid.

Types of Financial Aid

Scholarships do not have to be repaid. Criteria may include academic performance, special talents, activity participation, financial need, community service, and other factors. Funds are provided by WNCC, the WNCC Foundation, the Western Nebraska Education Endowment Association, civic and community organizations, and other sources supporting higher education.

Grants generally do not have to be repaid. Awards are need-based with funds provided by federal and state governments and WNCC.

Programs include:

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Nebraska Opportunity Grant (NOG)
- VA educational benefits for qualified individuals

Employment includes part-time jobs that pay at least minimum wage and provide flexible hours. Some jobs involve community service activities. The federal government and WNCC provide funds for the need-based Federal Work Study Program. WNCC also funds other part-time student employment that is not need-based and is not offered as part of the financial aid package. Half-time enrollment, which is defined as at least six credit credits, is required for both.

Federal Direct Loans must be repaid with accrued interest. Half-time enrollment, which is defined as at least six credit credits, is required. Payments to the principal may be deferred while enrolled half time or more and there are several repayment plans from which to choose. Congress determines the interest rates for the various loan programs annually. See the Financial Aid Office for current interest rates. Funds are provided by and backed by the federal government.

- Federal Direct Subsidized Loan (need-based)
- Federal Direct Unsubsidized Loan (not need-based)
- Federal Direct Parent Loan for Undergraduate Students (PLUS), for parents of dependent students (not need-based)

Federal Direct Loan information is submitted to the National Student Loan Data System (NSLDS) and is accessible by guaranty agencies, lenders, and institutions determined to be authorized users of the data system. Students may access their student loan/grant amounts, outstanding balances, loan statuses, and disbursements through StudentAid.gov at studentaid.gov/h/manage-loans.

Applying for Federal Financial Aid

Federal Aid Eligibility Criteria

To receive aid from any of the federal student aid programs, an applicant must meet all of the following criteria:

- Have financial need, except for some loans
- Have a high school diploma, GED certificate, or completed homeschooling at the secondary-level
- Be enrolled or accepted for enrollment in an approved program at WNCC for the purpose of obtaining a diploma, certificate, or degree
- Be a U.S. citizen, national, permanent resident, or eligible non-citizen
- Have a Social Security Number
- Be making satisfactory academic progress toward completion of a diploma, certificate, or degree
- Certify that financial aid funds are used only for educational purposes
- Not be in default on a federal student loan
- Not owe a repayment of a federal grant
- Be registered with Selective Service, if required
The U.S. Department of Education interfaces with other federal databases to confirm several of these criteria.

**Note:** Only classes that count toward your degree (or as an allowable elective) can be funded by federal financial aid.

**How Need is Determined** — The basic need formula is represented by the following calculation:

- Cost of Attendance
- Expected Family Contribution

= Financial Need

The goal of the WNCC Financial Aid Office is to meet as much of the student’s financial need as possible with available funds for which the student qualifies.

**Cost of Attendance (COA)** — This is an estimate of the student’s expenses for the period of enrollment. It includes allowances for:

- Tuition and fees
- Books and supplies
- Room and board
- Transportation
- Personal expenses

Please see the WNCC website at [www.wncc.edu/admissions-aid/tuition-fees/index](http://www.wncc.edu/admissions-aid/tuition-fees/index) for the current costs of attendance.

**Expected Family Contribution (EFC)** — The EFC is calculated by the federal processing center using the information reported on the FAFSA. It represents the amount the student and his/her family can reasonably contribute toward educational expenses.

**Limits to Federal Aid** — Because Congress has established limits to the length of time and amounts students may receive in Pell grants and Federal Direct Subsidized Loans, students are encouraged to monitor their academic progress, stay on track in their degree program, and complete their degrees within recommended timeframes.

**Free Application for Federal Student Aid (FAFSA)**

To be considered for any of the federal or state grants, employment or loan programs listed above, applicants must complete a Free Application for Federal Student Aid or FAFSA for each academic year of study.

1. The recommended method of application is to apply online at [studentaid.ed.gov/sa/fafsa](http://studentaid.ed.gov/sa/fafsa). Students (and parents) will need a Federal Student Aid (FSA) identification (ID) when accessing financial aid information and electronically signing federal student aid documents. For more information about the FSA ID, or to create a FSA ID, go to [studentaid.ed.gov/fsa](http://studentaid.ed.gov/fsa/create-account/launch). Online applicants who do not electronically sign their applications need to print a signature page, sign and date it, and mail it to the federal aid processor. This option delays processing significantly.

2. Students are strongly encouraged to use the IRS Data Retrieval Tool (DRT) to transfer tax information directly from the IRS into their FAFSA. Using the DRT provides accurate entry of tax information and may eliminate additional paperwork if the FAFSA is selected for verification.

3. Those who prefer to submit a paper application may obtain a FAFSA directly from the U.S. Department of Education by calling 1.800.4.FEEDFAID (800.433.3243).

4. Most students who completed an online FAFSA for the previous academic year receive information from the U.S. Department of Education on how to file a renewal FAFSA online.

**Note:** Regardless of the method of application, WNCC’s Federal School Code 002560 must be listed on the FAFSA in order for the results to be sent to the WNCC Financial Aid Office.

**Summer Aid Application** — In addition to the FAFSA, WNCC uses a supplemental application form for students who wish to be considered for summer financial aid. This application is available online or from the WNCC Financial Aid Office beginning in April.

**Loan Application** — A separate loan application is required annually for the Federal Direct Loan or the PLUS loan. First-time borrowers are required to complete online entrance counseling and a Master Promissory Note (MPN). The MPN remains active for 10 years and does not need to be renewed annually. The MPN can be completed at [studentaid.gov/mpn](http://studentaid.gov/mpn) and entrance counseling may be completed at [studentaid.gov/h/complete-aid-process](http://studentaid.gov/h/complete-aid-process)

**What Happens Next?**

The applicant receives a Student Aid Report (SAR) after the federal processing center has completed processing the FAFSA. This is in the form of a hardcopy SAR mailed to the applicant or an email notification with instructions on how to obtain the SAR electronically. The applicant should carefully review the SAR data for accuracy and to ensure that WNCC is listed to receive the results.

- If the SAR data is accurate and no changes are necessary, the applicant should retain the document for his/her records.
- If changes to the SAR data are necessary, the applicant should make the corrections online or notify
the Financial Aid Office. The student (as well as one parent, in the case of a dependent student) must sign both the SAR and any supporting documentation provided if corrections are submitted through the Financial Aid Office.

**Verification** — The U.S. Department of Education selects a percentage of FAFSA applications nationwide to verify the accuracy of data reported on the FAFSA. The WNCC Financial Aid Office notifies students who are selected for verification. WNCC partners with Inceptia to provide FAFSA verification services for students. Inceptia will notify students of the steps required to complete verification. This process must be completed and any errors corrected before the student’s financial aid eligibility can be determined. Students have 30 days from the notification date to complete verification or their financial aid application is considered inactive.

**Notice of Eligibility** — After the application is reviewed and processed, the WNCC Financial Aid Office notifies the student of his/her financial aid eligibility. Students who are eligible for assistance receive notification indicating the financial aid programs and maximum award amounts. Award amounts are based on full-time enrollment (12 credit credits or more per semester, including summer). Some awards can be prorated for enrollment in fewer credit credits. Students who do not qualify for federal or state grant assistance receive notification of ineligibility and options of alternative forms of aid.

**Special Circumstances**

Students who have special circumstances should contact the WNCC Financial Aid Office:

- Dependent students unable to provide parental information on the FAFSA.
- Students whose financial situation has changed since filing the FAFSA or have financial issues not taken into account on the FAFSA.
- Students with excessive education expenses beyond what is included in the standard financial aid budget.

**WNCC Scholarship Application**

To be considered for WNCC institutional and endowed scholarships, students must complete the WNCC General Scholarship Application by March 1 prior to the start of each academic year. If scholarship funds remain, applications may be accepted again for the fall and spring terms. Check online at [wncc.edu/admissions-aid/financial-aid/scholarships](http://wncc.edu/admissions-aid/financial-aid/scholarships) for general eligibility requirements, deadlines, and availability.

Scholarships funded by outside community organizations usually require a separate application and may have different deadlines. Application forms and information about scholarships are available from the WNCC Financial Aid Office, the Alliance and Sidney campuses, or [wncc.edu/admissions-aid/financial-aid/](http://wncc.edu/admissions-aid/financial-aid/).

**Applying for, Receiving, and Maintaining Aid**

**When to Apply**

To receive the best financial aid package available, students are encouraged to apply as early as possible after the October 1 FAFSA release date. WNCC’s priority application date is March 1 prior to the academic year for which funding is requested. Limited-fund programs include NOG, FSEOG, Federal Work Study, and scholarships.

Applications are generally processed in the order received, and processing time may vary depending on the time of year and volume of applications received. Unnecessary delays can be avoided by completing applications neatly and thoroughly, and by responding quickly to any requests for additional information.

Students who wish to be considered for any available summer financial aid should complete the supplemental summer aid application by May 1.

**Note:** Individuals eligible for Veterans Administration (VA) educational benefits may apply at any time in the Veterans Upward Bound or Military/Veterans Affairs (MVA) Office.

**How Aid is Disbursed**

The method and timing of disbursements depends upon the type of aid awarded, the status of the student’s application and the enrollment level. Funds from financial aid sources must first be used to pay direct educational expenses (tuition, fees, campus room and board, and authorized bookstore charges) before being made available to students for other education-related expenses.

1. Funds from grants and scholarships are usually applied to the student’s WNCC account the fourth week of each semester. If the amount of aid exceeds the amount owed to WNCC, a refund check for the difference is available to the student no later than the end of the fourth week of classes. Check the website for disbursement dates.

2. Students employed through the Federal Work Study Program receive a paycheck for credits worked each pay period. There are two pay periods per month.
3. Student loan funds are transmitted to WNCC electronically by the federal government. If the student has completed a loan request form before the beginning of the semester or year for which he/she is requesting aid, the loan funds should be available in the same manner as described in one (1) above. Other disbursement rules apply for first-year, first-time borrowers, and for students receiving a semester-only rather than academic year loan. Students must also complete Direct Loan Entrance Counseling and a Master Promissory Note (MPN) online before loans are originated. Loans requested and originated later in the semester are available on the Friday after funds are received.

4. Instructors must verify a student’s attendance in each class before the student can receive his/her first disbursement.

**Census Date** — A student’s initial financial aid awards are based on full-time enrollment. However, the student’s eligibility is adjusted to reflect his/her actual enrollment on the financial aid census date, which is typically during the third week of classes each semester.

**Satisfactory Academic Progress**

Student Academic Progress (SAP) measures a student’s performance in the following three areas: cumulative completion rate, cumulative grade point average (GPA), and maximum time frame. The Financial Aid Office is responsible for reviewing the cumulative academic progress of all enrolled degree-seeking students receiving financial aid at the end of each payment period. The purpose of this review process is to determine whether a student is making satisfactory progress towards their educational goal in both qualitative and quantitative measurements. The qualitative measurement consists of the cumulative grade point average of all credits transcripted, regardless of whether the student received financial aid for those credits.

The quantitative measurement contains two components: (1) the cumulative completion rate of credit hours completed versus credit hours attempted expressed as a percentage rate of completion and (2) the maximum time frame allowed for a student to complete their certificate or degree program expressed as a percentage of 150% of the total credit hours required.

Review of SAP will take place at the end of each payment period for all enrolled degree-seeking students who received financial aid. A student’s entire academic record will be reviewed and evaluated for SAP whether or not financial aid was received. The process to review financial aid SAP eligibility will be the same for all students evaluated. All coursework, including coursework for which a college has offered academic amnesty must be included in the review process. The College will notify financial aid applicants of their SAP status. A student is considered to be a financial aid applicant if they complete the Free Application for Federal Student Aid (FAFSA) or if they are offered funding to assist in educational costs through the Financial Aid Office.

The SAP standards apply to all applicable forms of financial assistance programs including Federal Pell Grant, Federal Work-Study (FWS), Federal Supplemental Educational Opportunity Grant (FSEOG), Direct Stafford Loans, Direct PLUS loans, as well as assistance from the State of Nebraska. The College will determine what institutional funds will be affected by the student’s SAP status.

**Definitions of Financial Aid Satisfactory Academic Progress Status**

Students who fail to meet either the quantitative or the qualitative criteria will be notified of their status in accordance with the definitions below:

**Satisfactory**

The student is eligible to receive all types of aid.

- Student has cumulative GPA at or above 2.0.
- Student has pace (cumulative completion rate) at or above 70%.
- The student has attempted less than 150% of required number of credit hours for enrolled degree or certificate program. All transcripted credits, including transfer credits are included in the calculation for the maximum time frame.

**Warning**

The student was previously in satisfactory standing but failed to meet one or both of the SAP criteria stated below. The student will continue to receive aid while on warning status.

- Student has cumulative GPA below 2.0; and/or
- Has pace (cumulative completion rate) below 70%.

**Suspension**

The student failed to comply with stated SAP criteria while on warning or probation. The student is not eligible to receive financial aid (federal, state or designated institutional financial aid).

- Student has under a 2.0 GPA and/or 70% pace (cumulative completion rate).
- Student has attempted 150% or more of required number of credit hours needed for degree or certificate program.
Probation
The student will be placed on probation, if the student was previously on suspension status, made an appeal, and the appeal was granted. The student will be eligible to receive financial aid for one term while on probation, unless an academic plan has been incorporated into the SAP appeal.

Academic Plan
The student who has eligibility reinstated to probation under an approved academic plan and is successfully following that plan is eligible to receive financial aid and continues to be eligible for aid while following the approved academic plan. Financial aid eligibility will be reviewed at the end of each payment period according to the approved academic plan.

Financial Aid Satisfactory Academic Progress Criteria
In order to meet SAP requirements, financial aid applicants and recipients must meet the qualitative and quantitative measurements outlined below:

Qualitative Measure
Cumulative GPA Requirement:
Students must maintain a minimum cumulative grade point average of 2.0 for all credit hours attempted.

Quantitative Measure
Pace (Cumulative Completion Rate):
- Students must complete at least 70% of cumulative attempted credit hours.
- The completion rate is defined as the percentage of the total number of credit hours completed divided by the total number of credit hours attempted over the entirety of a student’s academic record at the college performing the calculation. (Credit hours completed/credit hours attempted) x 100 = completion rate.
- Transfer credit hours on the student’s record are included when computing the student’s completion rate.
- Remedial credit hours and all repeated credit hours are included in the calculation of the cumulative completion rate.

Maximum Time Frame
- Federal regulations allow financial aid recipients to receive financial aid for a maximum number of attempted credit hours. Students attempting credit hours in excess of 150% of the required number of credit hours to complete their program of study will be placed on financial aid suspension status. If at any point in time it is determined that a student cannot complete their program of study within 150% of the program length, the student will be ineligible for aid.
- Transfer credit hours are included in the calculation of maximum time frame. WNCC requires submission of transcripts from all prior institutions prior to disbursement of federal and state aid to determine credits for maximum time frame calculation.
- Attempted credit hours under all courses of study are included in the calculation of attempted and earned credit hours.
- All remedial credit hours and repeated credit hours are included in the maximum time frame calculation.
- ESL courses are included in the maximum time frame calculation.

Evaluation of Financial Aid Satisfactory Academic Progress
1. Review of SAP will take place at the end of each payment period. The student’s academic history is reviewed for: a) cumulative GPA requirement; b) pace (cumulative completion rate); and c) maximum time frame.

2. A student’s entire academic record will be reviewed and evaluated for SAP, whether or not financial aid was received. Based on all academic history a student may be considered ineligible for aid.

3. The SAP evaluation process will occur at the end of each payment period of enrollment. When the student applies for financial aid (receipt of the Free Application for Federal Student Aid), the evaluation process will be completed based on the student’s last term of enrollment and then updated at the end of each term for which the student is enrolled. All terms of enrollment will be considered in the SAP evaluation whether or not the student received financial aid during those terms.

4. All students who fail to meet SAP criteria will be placed on warning or suspension. Financial aid applicants will be notified of their status.

5. The Financial Aid Office will review GPA and credit hours attempted/completed through consortium agreements.

Treatment of Completion and Repeats
1. Grades of D- or higher earned during all periods of enrollment will be considered acceptable for courses completed.

2. Grades of F, NP, I, E, W, CR, and AU earned during all periods of enrollment will not be considered acceptable for SAP.
3. Repeated courses are counted for all qualitative and quantitative measurements, as is coursework removed from the permanent transcript through an academic amnesty appeal.

**Treatment of Grade Changes**

1. Students are responsible for notifying the College Financial Aid Office of all grade changes that might affect current or future financial aid eligibility. A reevaluation of the students' status will be performed by the Financial Aid Office once the grade change has been communicated to the Financial Aid Office.

2. The College reserves the right to notify students of this requirement based on the College's official means of communication.

**Student Financial Aid Academic Progress Appeals**

The College is required to have a primary and a secondary process for students to appeal their eligibility. The secondary process is meant to address appeals of denied appeals from the primary process.

All decisions made at the secondary level are final.

The process for appeals at the primary and secondary level will be defined by the College. A student may appeal when they have been placed on suspension status. These appeals must be submitted to the College Financial Aid Office or designated location with supporting documentation. The student is responsible for presenting sufficient information and documentation to substantiate the existence of extenuating circumstances. The College may request additional documentation as student's extenuating circumstances warrant it.

Appeal forms are available from the Financial Aid Office or online at wncc.edu/admissions-aid/financial-aid/application-materials-deadlines. Appeals should be submitted as soon as possible following notification of suspension, but no later than mid-term of the semester for which the student is requesting aid.

**Appeals must include the following information:**
- why the student failed to make SAP; and
- what has changed that will allow the student to make SAP at the next evaluation.

**Appeals may be submitted for extenuating circumstances, such as:**
- medical problems (family illness);
- family emergency (death of a family member); or
- other documented extenuating circumstances beyond the student's control.

**Students may also appeal on the basis of:**
- funding for an additional degree or certificate.

**Western Nebraska Community College may approve an appeal if:**
- the College has determined the student will be able to meet SAP standards at the end of the subsequent term given the merits of the appeal and reasonable resolution of a student's extenuating circumstance; or
- the College and the student develop a plan that ensures the student is able to meet the College's SAP standards by a specific time or that the plan takes the student to successful program completion.
- students will be notified by the College of the outcome of their appeal. Under no circumstances can probation be assigned to a prior term.
- the College may notify students prior to the end of the term or prior to official posting of the financial aid SAP status if the student's academic progress indicates they will be ineligible for aid at the end of the term. This includes students who withdraw from the term or fail to meet the terms of their conditional probation.

The College will set deadlines for the processing of financial aid prior to the end of a term. The College may limit the number of SAP appeals that will be considered after review on a case-by-case basis of the student’s academic and appeal history.

**Reinstatement of Aid**

1. Students who lose financial aid eligibility because they are not meeting the college’s SAP standards will regain eligibility when they are again meeting the qualitative and quantitative standards as set previously in this policy.

2. Students may also regain eligibility through the appeal process.

3. Upon successful reestablishment of eligibility, the student will be awarded financial aid based on the availability of funds at the time of reestablishment. Reinstatement will not be retroactive to a prior term of ineligibility.

Students may, or may not, receive all funds awarded prior to the loss of eligibility. **Financial resources other than federal financial aid, including loans, must be used to pay for educational expenses during these terms.**

**Impact of Withdrawals on Financial Aid**

Financial aid recipients who officially withdraw from all their classes or cease attendance without notifying the school may be required to repay a portion of the federal funds they received for that term. This is determined on a pro-rata basis by multiplying the percentage of term not
attended by the Title IV aid received. Federal regulations specify the calculation used to determine if and how much repayment is required. All types of federal aid, including loans, are included in the calculation. Federal Work Study funds that have been earned are not included. If a student attended more than 60% of the term, no return of funds is required. After the amount of Title IV aid to be returned is calculated, a determination of how much must be returned by the institution and how much must be returned by the student is made. If a student owes a repayment, it is applied to the following programs in this order:
1. Federal Direct Unsubsidized Loan
2. Federal Direct Subsidized Loan
3. Federal Direct PLUS Loan
4. Federal Pell Grant
5. Federal Supplemental Educational Opportunity Grant
6. Other federal aid programs

Any loan funds required to be returned must be repaid by the student in accordance with the terms of the promissory note. Any amount of unearned grant funds that must be returned is considered an overpayment. The maximum amount of grant overpayment is half of the grant funds received or scheduled to be received.

Any return of Title IV funds required by the student must be paid prior to receiving additional financial aid at WNCC or any other institution. Any funds returned by WNCC on the student’s behalf must be repaid by the student to WNCC prior to attempting to register for subsequent terms.

The requirements for Title IV program funds are separate from WNCC’s refund policy. Therefore, students may still owe funds to WNCC for unpaid institutional charges.

Additional details regarding this policy are available from the Financial Aid Office.

**Transfer and Financial Aid**

If a student transfers from one school to another, financial aid does not automatically transfer. The amount and type of aid offered by the new school may differ due to variations in the school’s cost of attendance, funding availability, and academic requirements. A transferring student should contact the Financial Aid Offices at both schools for the correct procedures, deadlines, and policies. Annual aid limits apply if a transferring student received federal student aid during the academic year at his/her previous institution. Official transcripts from all previous institutions attended must be submitted to WNCC’s Registrar prior to disbursement of federal aid to determine credits for maximum time frame calculation.

**Other Financial Resources**

There are many websites containing tips and information about applying for financial aid. Live links to federal resources, private organizations that support higher education, free scholarship search engines, and other helpful resources can be found at [wncc.edu/admission-aid/financial-aid/application-materials/deadlines](wncc.edu/admission-aid/financial-aid/application-materials/deadlines).

Students are advised to be careful of scholarship scams and any online or phone request for Social Security, credit card, or bank account numbers, or any other personal identification that could be used for identity theft. Contact the Financial Aid Office to check on scholarship or other aid legitimacy.

**Enrollment**

**Academic Advising**

Western Nebraska Community College strives to help students achieve their academic goals, and personal academic advising is an important part of this process. Counselors and advisors can assist students in identifying an appropriate program of study. They will also help students draft an academic plan outlining the courses they will need to complete in order to meet the requirements for graduation. This academic plan can be modified each semester based upon course offerings and student progress. All new first-year students will meet with a professional advisor in the Career Planning and Advising Center who will help plan the students’ first semester of classes at WNCC.

Each student is also assigned a faculty advisor who has special training and experience in the student’s academic field of interest. Faculty advisors will help students with their class schedules after the first semester and provide their advisees with ongoing information and assistance in meeting educational goals. The faculty advisors can also be of assistance to students in their efforts to achieve satisfactory academic and social adjustment. Questions concerning work in a particular course should be discussed with the course instructor. The student’s faculty advisor can answer general questions on scheduling and planning the academic program at any time and particularly during registration advising sessions. The faculty advisor’s approval is required for all courses a student wants to take each semester. This approval is requested and granted through the Student Planning tool in the WNCC portal.

Together, professional and faculty advisors serve as the students’ partners during their time at WNCC. These advisors can also assist students who are considering
changing their programs or who need information regarding transfer to other colleges.

**Class Registration**

Students are encouraged to register into their classes early, as they are required to be registered prior to the start date of each term. Accepted students who miss the deadline are encouraged to register for second eight-week classes or for the next term.

For degree-seeking students, registration is completed through the online Student Planner. First semester students will work with a professional advisor to learn how to utilize Student Planner and how the registration process works. An initial academic plan geared toward a student’s specific program of study is built in Student Planner. During the first term, a student meets with his/her faculty advisor to develop a full long-term academic plan in Student Planner. Once the faculty advisor approves the long-term plan, a student can then register for classes in subsequent terms.

To change the intended program of study and faculty advisor, please contact the Student Success and Retention Director.

**Drop/Add & Schedule Changes**

**Drop/Add Period**

Students may add a class during the first five (5) class days of a semester or during the first three (3) days of an eight-week session. They may also drop a course with no penalty (the course will not appear on a student’s transcript) during that same period. Tuition and fees are assessed on all courses added, and drops are refunded at 100%.

**Withdrawal Period**

The official withdrawal period begins after the first five (5) class days of each regular semester and ends when 60% of the term has expired as outlined in the official WNCC calendar. (The official withdrawal period for eight-week courses begins after the first three [3] class days). Students who wish to withdraw from a class during the withdrawal period may do so only by securing the instructor’s signature on the required form and completing the withdrawal procedure through the Student Services Office. Students withdrawing from a course will receive a grade of “W” on their transcript.

Students may or may not receive a refund when withdrawing from a course, depending on the percent of time expended (See “Refund Policy”). Federal financial aid is recalculated during this time and refunds may be owed. Students should be sure to contact the Financial Aid Office to understand the ramifications.

Students who cease to attend a course and fail to withdraw officially from it remain registered for the course and will receive a grade regardless of intent.

**Withdrawal from Online Courses**

To drop an online course, download the online drop form from the WNCC portal, complete it, and sign it. In addition, students must email the instructor with a request to drop. An explanation as to why the drop is needed is helpful. The instructor then responds to the student with a drop grade and the last date of attendance. The student should copy the instructor’s response and email his or her request, along with the drop form, to registrar@wncc.edu. Students may also fax this information to 308.635.6732 or mail it to the WNCC Student Services Office, 1601 E. 27th Street, Scottsbluff, NE 69361. The drop is processed according to the date when the student first contacted the instructor.

For summer and eight-week classes:

1. The official withdrawal period begins after the first three (3) days of the semester and ends when 60% of the class is expended.

**Withdrawal from College**

Students who find it necessary to withdraw from all classes from WNCC may do so by completing the following steps:

During the official withdrawal period (until 60% of the course time is completed):

1. Fill out the WNCC Drop-Add Form available in the Student Services Office or by download from the student’s portal. Each instructor needs to sign the form and provide a last date of attendance. In an emergency, staff from the Student Services Office can assist in contacting instructors. Charges for courses continue to accrue in accordance with the published WNCC refund policy until the completed withdrawal form is received in the Student Services Office.

2. Students receiving financial aid must speak with a financial aid representative prior to withdrawing to understand the resulting implications. A complete withdrawal, whether official or unofficial, may result in a repayment obligation and/or loss of future eligibility.

3. Individuals receiving VA benefits need to contact the Veterans Upward Bound or Military/Veterans Affairs Office.

After the official withdrawal period (beyond the last official date to withdraw):

1. Fill out the “Request for Total Withdrawal after the Last Day to Drop” form available in the Student Services Office. The total drop must be for
extenuating circumstances only. It cannot be used simply to avoid a series of failing grades.

2. The Vice President of Student Services and the Dean of Instruction or their designees must approve the drop. If approved, the status of the classes is listed as a “W.” The instructors are notified that a total drop was issued.

3. Students receiving financial aid must speak with a financial aid representative prior to withdrawing to understand the resulting implications. A complete withdrawal, whether official or unofficial, may result in a repayment obligation and/or loss of future eligibility.

4. Individuals receiving VA benefits need to contact the Veterans Upward Bound or Military/Veterans Affairs Office.
Grading Policies

Academic Amnesty

A student returning to Western Nebraska Community College may petition the Vice President of Student Services to have a maximum of two (2) semesters of coursework removed from the calculation of grade point average and degree credit provided the following conditions apply:

1. At least three (3) years have lapsed since the time of the semester(s) being petitioned; and
2. Since returning, the student has completed at least 12 consecutive credit credits of college-level courses with a GPA of 2.75 or above or 24 consecutive credit credits with a GPA of 2.25 or above.

If approved, the courses and grades of the semester(s) affected appear on the transcript with the notation that academic amnesty was granted. All credits and grades taken during the semester(s) are included in the amnesty. A student may receive academic amnesty only once and it is irrevocable. Since academic amnesty may affect financial aid awards, students receiving financial aid should contact the Financial Aid Office prior to applying for amnesty.

Academic Honors

A Dean’s List is issued at the end of each regular semester and contains the names of all students who have completed at least 12 credits of college-level courses (numbered 1000 or higher) and other degree-required courses (courses required for the AA, AS, AD-N, AFA, and AAS degrees) with a 3.4 to 3.99 Grade Point Average.

A President’s List, issued at the end of each regular semester, contains the names of all students who have completed at least 12 credits of college-level courses (numbered 1000 or higher) and other degree-required courses (courses required for the AA, AS, AD-N, AFA, and AAS degrees) with a 4.0 Grade Point Average.

Academic Probation & Suspension

The purpose of academic probation is to warn students of their unsatisfactory academic progress. A student is placed on academic probation when progress toward educational objectives is considered inadequate. A student’s WNCC grade point average (GPA) is used to evaluate a student’s progress. Students are considered to be making satisfactory progress if they have a WNCC GPA of 2.0 or higher.

The College reserves the right to limit the course load of any student experiencing academic difficulty and to recommend changes in the curriculum assigned.

At the end of each semester, those students whose academic progress is judged to be unsatisfactory are placed on probation, and it is required that they seek advising from one of the Student Services advisors at the campus they are attending.

Students are placed on academic suspension after they are on probation for one semester and satisfactory academic progress has not been made. A student who is suspended is not allowed to register for at least one semester immediately following his/her suspension. The student may petition the Registrar, who chairs the Academic Appeal Committee, for special consideration by completing the Academic Reinstatement Appeal form, which can be found on the student portal.

(Financial aid and athletic eligibility rules are not equivalent to the above rules of scholastic eligibility.)

Audit

Students who choose to audit a class must pay regular tuition but are not required to complete course requirements unless they so desire. Credits are not included in the student’s total of completed courses. This option must be declared in the first two (2) weeks of each regular semester (i.e., fall or spring) after consulting with the instructor.

Consequences of Withdrawing from Class

The student receives a grade of “W” at the time of withdrawal from a class. This grade can be given only during the semester in which the student officially withdraws; it cannot be given retroactively. A posted grade of “W” cannot be changed to another grade later.

Students who fail to withdraw officially receive a grade of “F.” Withdrawal from individual classes after the official withdrawal period is not permitted unless a student withdraws from the College or the student completes the “Appeal for W Grade after Last Day to Drop” form available in Student Services.
Directed Study

Directed study is designed to allow regularly enrolled students to pursue, for college credit, subject areas of interest outside of the existing College course structure. Directed study pursued by the individual student is intended to provide valuable experience in self-education, with faculty assistance in planning and evaluation. Once arranged and approved, directed study courses become part of the student’s course load and are subject to regular tuition and fee rates. Specific limitations and required conditions for directed study include the following:

- The student must enroll at WNCC. Regular tuition and fees are paid for directed study credits.
- An individual student must demonstrate interest in and need for the study and arrange for a qualified instructor to sponsor it.
- The instructor, division chair, and dean of instruction must approve registration in a directed study course.
- Each credit of directed study requires a student to spend time at least equivalent to that expected in a regular course involving fifteen (15) contact credits per semester.
- The student may not receive credit for more than a total of 12 credits of directed study while at WNCC.

Grade Appeals

Every student has the right to appeal the final grade in a course in accordance with the stipulations outlined below. The student must initiate such an appeal no later than three (3) weeks after the day final grades are posted. A student who questions his or her final course grade must adhere to the following steps in the order presented:

Step 1: Discuss the matter with his/her instructor. Clerical errors are usually handled in this manner, with the instructor signing the correction of official records. If the student believes the problem is not resolved, the student shall then go to Step 2.

Step 2: Visit with the appropriate division chair to discuss the issue. If the concern remains unresolved, the student may continue to Step 3.

Step 3: Elect to file a written grade appeal to the appropriate Dean of Instruction in the Education & Student Services Office for referral to the Peer Review Committee.

A formal grade appeal may not be filed until Steps 1 and 2 above have been completed. A formal grade appeal may be filed if:

- There is a dispute over the numerical calculation of the grade; or
- The grade assigned appears arbitrary and not indicative of the student’s performance.

Students who question an instructor’s personal treatment of the student may discuss the matter with the Vice President of Student Services as described in the Western Nebraska Community College Judicial Codes and Appeals – Article VII – Student Rights Grievances.

GPA Computation

Grade point averages (GPA) are computed on all credits taken at WNCC excluding those courses awarded through nontraditional credit or taken on a Pass/No Pass basis.

Grading System

<table>
<thead>
<tr>
<th>GRADE</th>
<th>DESCRIPTION</th>
<th>EFFECT ON GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>Highest Achievement</td>
<td>4.00</td>
</tr>
<tr>
<td>A</td>
<td></td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td></td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td></td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>Above Average Achievement</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td></td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td></td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>Average Achievement</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td></td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>Below Average, but passing</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>0.67</td>
</tr>
<tr>
<td>F</td>
<td>Failure to meet minimum requirements</td>
<td>0.00</td>
</tr>
<tr>
<td>P</td>
<td>Passing, credit granted</td>
<td>No effect</td>
</tr>
<tr>
<td>NP</td>
<td>Not passing, no credit granted</td>
<td>No effect</td>
</tr>
<tr>
<td>CR</td>
<td>Non-traditional credit</td>
<td>No effect</td>
</tr>
</tbody>
</table>
### Grading Scales

Students will find grading information specific to each class in the syllabus received at the beginning of the semester. Health Sciences is the only division to specify a grading scale to use within all of its courses.

#### Health Sciences Grading Scale

The following grading scale is used specifically within Health Sciences programs.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>SCALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>98-100</td>
</tr>
<tr>
<td>A</td>
<td>95-97</td>
</tr>
<tr>
<td>A-</td>
<td>91-94</td>
</tr>
<tr>
<td>B+</td>
<td>88-90</td>
</tr>
<tr>
<td>B</td>
<td>85-87</td>
</tr>
<tr>
<td>B-</td>
<td>81-84</td>
</tr>
<tr>
<td>C+</td>
<td>78-80</td>
</tr>
<tr>
<td>C</td>
<td>75-77</td>
</tr>
<tr>
<td>C-</td>
<td>71-74</td>
</tr>
<tr>
<td>D+</td>
<td>68-70</td>
</tr>
<tr>
<td>D</td>
<td>65-67</td>
</tr>
<tr>
<td>D-</td>
<td>61-64</td>
</tr>
<tr>
<td>F</td>
<td>60 and less</td>
</tr>
</tbody>
</table>

### Incomplete Work

Students who are unable to complete a course because of unusual circumstances may request a status of “incomplete” after consulting with the instructor. If approved, coursework requirements must be completed satisfactorily no later than 90 days after the last day to enter grades for the semester or the incomplete status reverts to an “F.” This applies to all courses, including online and directed study courses. Instructors have the right to extend the course completion period beyond 90 days if necessary. A status of Incomplete converts to a failing grade and is calculated in the student’s grade point average if it is not completed within the prescribed period of time.

### Student Classification

A full time student is defined as one taking 12 or more credits per semester.

### Graduation Honors

Students graduating with a GPA of 3.4 to 3.99 in college-level courses (numbered 100 or higher) and other degree-required courses are recognized as “Graduating with Honors.” Students graduating with a GPA of 4.0 in college-level courses (number 100 or higher) or other degree-required courses are recognized as “Graduating with High Honors.” Students receiving graduation honors are acknowledged during the commencement ceremony each year.
Degree Offerings

Degrees & Formal Awards

WNCC offers two-year programs of study leading to one of five associate degrees:

- Associate of Arts (AA)
- Associate of Science (AS)
- Associate Degree of Nursing (AD-N)
- Associate of Fine Arts (AFA)
- Associate of Applied Science (AAS)

One-year certificate, two-year certificate, and diploma options are available in selected fields.

Associate Degrees

Associate of arts, associate of science, associate degree of nursing, and associate of fine arts degrees prepare students for careers and/or advanced study at a four-year college or university.

The Associate of Applied Science degree prepares students primarily for careers in a variety of technical and vocational areas: applied technologies, business, health, and social sciences. In most instances, students are also able to transfer part, and in some cases all, of an AAS program to a bachelor degree-granting institution.

With all associate degrees, if a student is planning on transferring to a bachelor-granting college or university, it is important for students to work closely with their individual faculty advisors.

1. All degrees require a minimum of 60 credits.
2. Courses numbered below the 1000-level do not count as part of the total credits for an associate of arts, associate of science, associate degree of nursing, and associate of fine arts degrees.
3. Courses numbered below the 1000-level do not count as part of the total credits for the associate of applied science.

4. While the AAS and AD-N degrees are designated as being earned in a specific program, the AA, AS, and AFA degrees are generalist in nature and not awarded “in” a field.

Students are expected to successfully complete all graduation requirements as stated in the catalog in effect during the term of graduation, or from the College Catalog in effect at the time of initial entry if the student is continuously enrolled. Under certain unusual circumstances, students may appeal for an exception to

Diploma

1. Diplomas require a minimum of 24-48 credits of courses from a suggested curriculum list appearing in the College Catalog. In addition to coursework specific to an area of study, students are required to take some coursework outside the student’s vocational field, including but not limited to written communication, mathematics, and an elective from personal development, the social or lab sciences, or oral communication.
2. Demonstration of competency in writing and mathematics by assessment (ACCUPLACER®) or by passing the appropriate quantitative reasoning (MATH-1020, MATH-1010, or BSTC-1500) and written communication (BSAD-1210, ENGL-1000, or ENGL-1010) courses is required.
3. Courses numbered below the 1000-level do not count as part of the total credits.

Certificate

1. Certificates require completion of 12-18 credits of required courses from a curriculum list in the College Catalog.
2. Courses numbered below the 1000-level do not count as part of the total credits.

Degree Programs Offered

The following is a list of all degree programs offered at WNCC.
<table>
<thead>
<tr>
<th>Program</th>
<th>AA</th>
<th>AS</th>
<th>AAS</th>
<th>AD-N</th>
<th>AFA</th>
<th>DIPLOMA</th>
<th>CERTIFICATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Agriculture Technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Automotive Technology</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
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<td>X</td>
</tr>
<tr>
<td>Aviation Maintenance</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
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<td></td>
<td>X</td>
</tr>
<tr>
<td>Business Administration</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>[Options: accounting, business administration, &amp; management information systems]</td>
<td></td>
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<tr>
<td>Business Technology</td>
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<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>[Options: executive assistant, information technology technical support, medical office management, &amp; staff accountant]</td>
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<tr>
<td>Coding Technician</td>
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<tr>
<td>Collision Repair &amp; Refinishing Technology</td>
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<td>[Endorsement Areas: art; biology; business, marketing, &amp; information technology; chemistry; English language arts; math; social science; &amp; Spanish]</td>
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<td>Emergency Medical Services</td>
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<td>Fine Arts</td>
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<tr>
<td>[Options: interdisciplinary, music, music performance, musical theatre, theatre, and visual arts]</td>
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<td>medicine, nursing, pharmacy, physical</td>
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<td>therapy, &amp; vet/comparative medicine]</td>
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<td>radiologic technology (pre)]</td>
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<tr>
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<tr>
<td>agriculture (pre) biology/ecology, forestry</td>
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<td>/wildlife management, &amp; rangeland management]</td>
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<tr>
<td>Physical Sciences &amp; Math</td>
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<td>mathematics, and physics]</td>
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<tr>
<td>Powerline Construction &amp; Maintenance Technology</td>
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<td>X</td>
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<tr>
<td>Psychology</td>
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<tr>
<td>Social Work</td>
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<tr>
<td>Surgical Technology</td>
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<tr>
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## Online Opportunities

<table>
<thead>
<tr>
<th>Code</th>
<th>Program Description</th>
<th>Code</th>
<th>Program Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA.A.5202E</td>
<td>Business Administration – Accounting Option</td>
<td>AAS.1199B</td>
<td>Information Technology Technical Support</td>
</tr>
<tr>
<td>AA.B.5202E</td>
<td>Business Administration – Business Administration Option</td>
<td>AAS.5107A</td>
<td>Health Information Technology (fully online)</td>
</tr>
<tr>
<td>AA.C.5202E</td>
<td>Business Administration – Management Information Systems (MIS) Option</td>
<td>AAS.5201</td>
<td>Business Technology</td>
</tr>
<tr>
<td>AA.1199A</td>
<td>Information Technology</td>
<td>AS.1199A</td>
<td>Computer Science</td>
</tr>
<tr>
<td>AA.1199C</td>
<td>Information Technology – CyberSecurity option</td>
<td>C2.1199</td>
<td>Information Technology Technical Support</td>
</tr>
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<td>C2.5201</td>
<td>General Business Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DI.5107B</td>
<td>Coding Technician (fully online)</td>
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</tbody>
</table>
Degree Requirements

General Education Program

Purpose of General Education

The general education program at Western Nebraska Community College is designed to broaden the student as a person. The general education experience for students in associate of arts (AA), associate of science (AS), and associate of fine arts (AFA) degree programs is composed of a comprehensive set of choices in communications, mathematics, sciences, social science, and the humanities, preparing students for citizenship in a diverse, global environment; taking their roles in society as citizens and professionals; and transfer to other colleges. Students in associate of applied science degree (AAS), associate degree of nursing (AD-N), diploma, and certificate programs take transferable and nontransferable general education courses designed to prepare them for their roles in society as citizens, technicians, and professionals. Their avenues for employment are enhanced by the general education experience.

Each degree offering has different general education requirements, and students should be aware of the requirements for their degree program. Please see the listings following in this section.

General Education Philosophy

WNCC recognizes that student-learning goals may change during a lifetime; therefore, the general education requirements for all degrees is collegiate in nature and, as such, should provide an academic foundation for lifelong learning.

Additionally, the general education experience prepares students for the lifelong learning required for success, enriches the student’s general life perspectives, and promotes competence in and understanding various fields of knowledge.

Since not all students come to college prepared for this level of endeavor, developmental courses are provided to assist the student in gaining the requisite skills.

Goals of the General Education Program

As a result of the general education experience, award seeking students develop and improve the following skills and abilities to college-level performance:

Communication – including effective written and oral skills
Critical Thinking and Problem Solving – including information literacy and mathematical and scientific inquiry
Humanities and/or Fine Arts Awareness – including literature, language, philosophy, an appreciation for the arts, and humanities
Cultural and Civic Awareness – including ethics, diversity, and global issues
Personal Development – including mental and physical wellness, leadership, teamwork, and lifelong learning skills

Certificate Programs

Total Credits

Certificate programs typically require 12-18 credits of required courses from a curriculum found in the College Catalog. There are exceptions, with some programs requiring additional credits of coursework.

Courses numbered below the 1000-level do not count toward the total credits required to earn a certificate.

Programs requiring 16 or more credits are eligible for federal financial aid. Options may exist for programs with less than 16 credits; students should consult with the Financial Aid Office for more information.

General Education Requirements

No general education courses are required for certificate programs.

Required Program Specific Coursework

Students will select a specific emphasis area of interest with a curriculum of courses required to complete a certificate program.

Program Specific Coursework 12-18 credits
Total Credits for Certificate 12-18 credits

Diploma Programs

Total Credits

Diplomas require a minimum of 24-48 credits of courses from a suggested curriculum list appearing in the College Catalog. There are exceptions, with some programs requiring additional credits of coursework.

Courses numbered below the 1000-level do not count as a part of the total credits.

General Education Requirements

Students must take nine to ten (9-10) credits of general education requirements including the following: three (3)
credits of written communication, three to four (3-4) credits of quantitative reasoning, and three (3) additional credits from either oral communication, personal development, lab science, or social science electives.

### DIPLOMA PROGRAM

**General Education Requirements:** three (3) credits from Written Communication three to four (3-4) credits from Quantitative Reasoning and any three (3) credits from the following four (4) categories (excluding Written Communication and Quantitative Reasoning courses):

<table>
<thead>
<tr>
<th>Written Communication (3 credits selected from the list)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD-1210 Business Communication (3)</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>ENGL-1000 Workplace Writing (3)</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>ENGL-1010 English Composition I (3)</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>Higher</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quantitative Reasoning (3-4 credits selected from the list)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSTC-1500 Business Mathematics (3)</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>MATH-1010 Intermediate Algebra (4)</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>MATH-1020 Technical Mathematics (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Any three (3) additional credits from the following four (4) categories:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Oral Communication</th>
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</thead>
<tbody>
<tr>
<td>SPCH-1110 Public Speaking (3)</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>SPCH-1200 Human Communication (3)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Personal Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRDV-1010 Achieving College Success (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Science</th>
<th>Choose from:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>- Any BIOS Biological Science (4)</td>
</tr>
<tr>
<td></td>
<td>- Any CHEM Chemistry Science (4)</td>
</tr>
<tr>
<td></td>
<td>- Any PHYS Physical Science (4)</td>
</tr>
<tr>
<td></td>
<td>- INFO-2350 Intro to Computer Science (3)</td>
</tr>
<tr>
<td></td>
<td>- LPNR-1110 Body Structure &amp; Function (4)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Science</th>
<th>Choose from:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- ANTH (Anthropology)</td>
</tr>
<tr>
<td></td>
<td>- ECON (Economics)</td>
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<td></td>
<td>- HIST (History)</td>
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<td></td>
<td>- POLS (Political Science)</td>
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<td></td>
<td>- PSYC (Psychology)</td>
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<tr>
<td></td>
<td>- SOCI (Sociology)</td>
</tr>
</tbody>
</table>

### Required Program Specific Coursework

Students will select a specific emphasis area of interest with a curriculum of courses required to complete a diploma program.

**Program Specific Coursework** 15-38 credits

**Total Credits for Diploma** 24-48 credits

### Associate Degree of Nursing (AD-N)

The associate degree of nursing (AD-N) requires successful completion of 72 credit hours of nursing and general education courses. After successful completion of the AD-N program, graduates are eligible to take the National Council Licensure Examination for the Registered Nurse.

### Total Credits

The associate degree of nursing requires 72 credit hours. The student must successfully complete 18 credits of general education requirements (see below), an additional ten (10) hours of prerequisites (see below), and be College Algebra ready for the program.

### General Education Requirements

Students must complete 18 credits as described below:
ASSOCIATE DEGREE OF NURSING
General Education Total Credits: 18 credits

<table>
<thead>
<tr>
<th>Written Communication *</th>
<th>ENGL-1010</th>
<th>English Composition I (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantitative Reasoning</td>
<td>CHEM-1050</td>
<td>Introductory Chemistry* or higher</td>
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<tr>
<td>Lab Science</td>
<td>BIOS-2250</td>
<td>Anatomy &amp; Physiology I and</td>
</tr>
<tr>
<td></td>
<td>BIOS-2260</td>
<td>Anatomy &amp; Physiology II</td>
</tr>
<tr>
<td>Social Science</td>
<td>PSYC-1810</td>
<td>Introduction to Psychology</td>
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</tbody>
</table>

Additional Prerequisite Courses
BIOS-2460 Microbiology 4
PSYC-2150 Life Span: Growth & Development 3
Total additional prerequisite courses 7 credits

Required Program Specific Coursework
Students will be required to complete program specific coursework after completing all prerequisites and acceptance to the AD-N program.

Program Specific Coursework 47 credits
Minimum Total Credits for AD-N 72 credits

Associate of Applied Science Degree (AAS)
The associate of applied science (AAS) degree primarily prepares students for careers in a variety of technical and vocational areas: applied technologies, business, health, physical education, and the social sciences. In most instances, students are also able to transfer all or part of the credits earned for an AAS degree to a bachelor degree-granting institution.

Total Credits
All associate degrees require a minimum of 60 credit credits. To qualify for the AAS, the student must successfully complete the following required general education requirements (15-17 credits), as well as a minimum of 43-45 credits of College-approved program specific coursework within an emphasis area.

ASSOCIATE OF APPLIED SCIENCE
General Education Total Credits: 15-17 credits

<table>
<thead>
<tr>
<th>Written Communication</th>
<th>BSAD-1210</th>
<th>Business Communication (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OR</td>
<td>ENGL-1000 Workplace Writing (3)</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>ENGL-1010 English Composition I (3)</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>SPCH-1110</td>
<td>Public Speaking (3)</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>SPCH-1200 Human Communication (3)</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>BSTC-1500</td>
<td>Business Mathematics (3)</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>(not accepted for the Practical Nursing Program)</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>MATH-1010 Intermediate Algebra (4)</td>
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<tr>
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<td>OR</td>
<td>MATH-1020 Technical Mathematics (3)</td>
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<tr>
<td></td>
<td>OR</td>
<td>MATH-1150 (or greater) College Algebra (3)</td>
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<td>OR</td>
<td>(required for Info Technology)</td>
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<tr>
<td>Personal Development</td>
<td>PRDV-1010</td>
<td>Achieving College Success (3)</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>BSAD-2420 Career Development Capstone (3)</td>
</tr>
</tbody>
</table>

In some cases, students may be required to complete developmental courses prior to taking certain other courses. Courses numbered below the 1000-level do not count as part of the total credits for the associate of applied science degree.

General Education Requirements
Students must select one course from each of the five categories below for a total of 15-17 credits.
Three (3) to four (4) credits must be selected from one of the following two areas:

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<tbody>
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<td>• Any BIOS Biological Lab Science (4)</td>
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<tr>
<td></td>
<td>• Any CHEM Chemistry Lab Sci (4)</td>
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<td></td>
<td>• Any PHYS Physical Lab Science (4)</td>
</tr>
<tr>
<td></td>
<td>• INFO-2350 Intro to Computer Science (3)</td>
</tr>
<tr>
<td></td>
<td>• LPNR-1110 Body Structure &amp; Function (4)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Science</th>
<th>Choose from:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>• ANTH (Anthropology)</td>
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<tr>
<td></td>
<td>• ECON (Economics)</td>
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<td></td>
<td>• HIST (History)</td>
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<tr>
<td></td>
<td>• POLS (Political Science)</td>
</tr>
<tr>
<td></td>
<td>• PSYC (Psychology)</td>
</tr>
<tr>
<td></td>
<td>• SOCI (Sociology)</td>
</tr>
</tbody>
</table>

Required Program Specific Coursework
Students will select a specific emphasis area of interest in which they will complete a specific recommended curriculum to complete an AAS degree.

Program Specific Coursework 43-45 credits
Minimum Total Credits for AAS 60 credits

### Associate of Arts Degree (AA)

### Associate of Fine Arts Degree (AFA)

An associate of arts (AA) degree and the Associate of Fine Arts degree prepare students for careers and/or advanced study at a four-year college or university.

### Total Credits

All associate degrees require a minimum of 60 credit credits. To qualify for the AA or AFA, the student must successfully complete the following required general education requirements (31-32 credits), as well as a minimum of 28-29 credits of College-approved program specific coursework within an emphasis area.

In some cases, students may be required to complete developmental courses prior to taking certain other courses. Courses numbered below the 1000-level do not count as part of the total credits for the AA or AFA degrees.

### General Education Requirements

The general education requirements for associate degrees at WNCC are consistent with the College’s philosophy statement and role and mission statement, which state that all students should demonstrate competencies that will allow them to seek higher education, participate as an active member in society, or achieve responsible careers in a contemporary work environment. More specifically, students in career-oriented areas should be able to communicate, calculate, evaluate, and understand the social and scientific implications of the world around them. Students seeking transfer to a baccalaureate program should complete a general education requirement, which is broad in scope and requires an in-depth level of inquiry.

**ASSOCIATE OF ARTS**
**ASSOCIATE OF FINE ARTS**

General Education Total Credits: 31-32 credits

<table>
<thead>
<tr>
<th>Written Communication (6 credits)</th>
<th>ENGL-1010 English Composition I (3)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ENGL-1020 English Composition II (3)</td>
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<tr>
<td>Oral Communication (3 credits)</td>
<td>SPCH-1110 Public Speaking (3)</td>
</tr>
<tr>
<td></td>
<td>OR SPCH-1200 Human Communication (3)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Humanities (6 credits from 2 different alphas)</th>
<th>Choose from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1050 Intro to Art History and Criticism I</td>
<td>(3)</td>
</tr>
<tr>
<td>ARTS-1060 Intro to Art History and Criticism II</td>
<td>(3)</td>
</tr>
<tr>
<td>HUMS-1100 Intro to Humanities</td>
<td>(3)</td>
</tr>
<tr>
<td>MUSC-1010 Music Appreciation</td>
<td>(3)</td>
</tr>
<tr>
<td>MUSC-1420 American Popular Music</td>
<td>(3)</td>
</tr>
<tr>
<td>THEA-1010 Intro to Theatre</td>
<td>(3)</td>
</tr>
<tr>
<td>THEA-1500 History of Film</td>
<td>(3)</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
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<td>-------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ENGL-2050</td>
<td>(American Literature, 1620-1865)</td>
</tr>
<tr>
<td>ENGL-2070</td>
<td>(American Literature, 1865 – Present)</td>
</tr>
<tr>
<td>ENGL/EDUC-2110</td>
<td>(Children’s Lit)</td>
</tr>
<tr>
<td>ENGL-2130</td>
<td>(Survey of English Literature)</td>
</tr>
<tr>
<td>ENGL-2190</td>
<td>(The Novel)</td>
</tr>
<tr>
<td>SPAN-1010</td>
<td>(Elem Spanish I)</td>
</tr>
<tr>
<td>SPAN-1020</td>
<td>(Elem Spanish II)</td>
</tr>
<tr>
<td>SPAN-2010</td>
<td>(Inter Spanish I)</td>
</tr>
<tr>
<td>SPAN-2020</td>
<td>(Inter Spanish II)</td>
</tr>
<tr>
<td>PHIL-1010</td>
<td>(Intro to Philosophy)</td>
</tr>
<tr>
<td>PHIL-1060</td>
<td>(Intro to Ethics)</td>
</tr>
<tr>
<td>PHIL-2250</td>
<td>(Environ Ethics)</td>
</tr>
<tr>
<td>PHIL-2610/RELS-2610</td>
<td>(Comparative Religions/Intro to Comparative Religions)</td>
</tr>
<tr>
<td>HIST-2100</td>
<td>(World Civilization, 4000 BC – 1500 AD)</td>
</tr>
<tr>
<td>HIST-2110</td>
<td>(World Civilization, 1500 AD – Present)</td>
</tr>
</tbody>
</table>

**Math**
(3-4 credits)

Choose from:
- MATH-1150 (College Algebra) (3)
- MATH-1170 (Mathematical Applications) (3)
- MATH-1180 (Math for Elementary Teachers) (3)
- MATH-2170 (Applied Statistics) (3)

**Lab Science**
(4 credits from one area)

Choose from:
- Any BIOL Biological Lab Science (4)
- Any CHEM Chemistry Lab Sci (4)
- Any PHYS Physical Lab Science (4)

**Personal Development**
(3 credits)

PRDV-1010 Achieving College Success (3)

**Social Science**
(6 credits from 2 different areas)

**ECON / POLITICAL SCIENCE / HISTORY:**
- ECON-1230 (General Economics) (3)
- ECON-2110 (Principles of Macroeconomics) (3)
- ECON-2120 (Principles of Microeconomics) (3)
- HIST-2010 (American History I) (3)
- HIST-2020 (American History II) (3)
- HIST-2060 (History of Nebraska) (3)
- HIST-2580 (History of the American West) (3)
- POLS-1000 (American Government) (3)
- POLS-1600 (International Relations) (3)

**RACE / ETHNICITY / GENDER:**
- ANTH-2130 (Mexican-American/Native-American Cultures) (3)
- PHIL-1060 (Introduction to Ethics) (3)
- PHIL-2610/RELS-2610 (Comparative Religions/Intro to Comparative Religions) (3)
- SOCI-2150 (Issues for Unity and Diversity) (3)
- SOCI-2250 (Marriage and Family) (3)
- SOCIAL / BEHAVIORAL:
  - PSYC-1810 (Intro to Psychology) (3)
  - SOCI-1010 (Intro to Sociology) (3)

**Required Program Specific Coursework**
Students will select a specific emphasis area of interest in which they will complete a specific recommended curriculum to complete an AA degree.

**Program Specific Coursework**
28-29 credits

**Minimum Total Credits for AA**
60 credits
Associate of Science Degree (AS)

An associate of science (AS) degree prepares students for careers and/or advanced study at a four-year college or university.

These institutions have their own requirements for a bachelor’s degree to be completed at transfer institution. Students who plan to transfer to a four-year college or university should consult their faculty advisor and transfer advisor early in their WNCC enrollment to determine their curriculum to best meet future needs. In addition, it is advisable to look at possible transfer institutions to compare and align what they look for in their first two-years with what is offered at WNCC. Creating the closest match possible will facilitate a smooth transition from WNCC to the receiving/transfer institution.

Total Credits

All associate degrees require a minimum of 60 credit credits. To qualify for the AS, the student must successfully complete the following required general education requirements (33-34 credits), as well as a minimum of 26-27 credits of College-approved program specific coursework within an emphasis area.

In some cases, students may be required to complete developmental courses prior to taking certain other courses. Courses numbered below the 1000-level do not count as part of the total credits for the associate of sciences degree.

General Education Requirements

The general education requirements for associate degrees at WNCC are consistent with the College’s philosophy statement and role and mission statement, which state that all students should demonstrate competencies that will allow them to seek higher education, participate as an active member in society, or achieve responsible careers in a contemporary work environment. More specifically, students in career-oriented areas should be able to communicate, calculate, evaluate, and understand the social and scientific implications of the world around them. Students seeking transfer to a baccalaureate program should complete a general education requirement, which is broad in scope and requires an in-depth level of inquiry.

<table>
<thead>
<tr>
<th>ASSOCIATE OF SCIENCES</th>
<th>General Education Total Credits: 33-34 credits</th>
</tr>
</thead>
</table>
| **Written Communication** | **ENGL-1010**  
| (6 credits) | English Composition I (3)  
| **AND** | **ENGL-1020**  
| **Oral Communication** | **SPCH-1110**  
| (3 credits) | Public Speaking (3)  
| **OR** | **SPCH-1200**  
| **Choose from:** | Human Communication (3)  
| **AESTHETICS:** | **ARTS-1050** (Intro to Art History  
| | and Criticism I) (3)  
| | **ARTS-1060** (Intro to Art History  
| | and Criticism II) (3)  
| **HUMS-1100** (Intro to  
| Humanities) (3)  
| **MUSC-1010** (Music  
| Appreciation) (3)  
| **MUSC-1420** (American Popular  
| Music) (3)  
| **THEA-1010** (Intro to Theatre)  
| (3)  
| **THEA-1500** (History of Film) (3)  
| **ENGLISH:** | **ENGL-2050** (American  
| Literature, 1620-1865) (3)  
| **ENGL-2070** (American  
| Literature, 1865 – Present) (3)  
| **ENGL/EDUC-2110** (Children’s  
| Lit) (3)  
| **ENGL-2130** (Survey of English  
| Literature) (3)  
| **ENGL-2190** (The Novel) (3)  
| **FOREIGN LANGUAGE:** | **SPAN-1010** (Elem Spanish I) (5)  
| **SPAN-1010** (Elem Spanish II)  
| (5)  
| **SPAN-2010** (Inter Spanish I) (3)  
<p>| <strong>SPAN-2020</strong> (Inter Spanish II) (3) |</p>
<table>
<thead>
<tr>
<th>PHILOSOPHY:</th>
<th>HIST-2580 (History of the American West) (3)</th>
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</thead>
<tbody>
<tr>
<td>PHIL-1010 (Intro to Philosophy) (3)</td>
<td>POLS-1000 (American Government) (3)</td>
</tr>
<tr>
<td>PHIL-1060 (Intro to Ethics) (3)</td>
<td>POLS-1600 (International Relations) (3)</td>
</tr>
<tr>
<td>PHIL-2250 (Environ Ethics) (3)</td>
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</tr>
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<td>RACE / ETHNICITY / GENDER:</td>
</tr>
<tr>
<td>(Comparative Religions/Intro to Comparative Religions) (3)</td>
<td>ANTH-2130 (Mexican-American/Native-American Cultures) (3)</td>
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<tr>
<td>WORLD HISTORY:</td>
<td>PHIL-1060 (Introduction to Ethics) (3)</td>
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<tr>
<td>HIST-2100 (World Civilization, 4000 BC – 1500 AD) (3)</td>
<td>PHIL-2610/RELS-2610 (Comparative Religions/Intro to Comparative Religions) (3)</td>
</tr>
<tr>
<td>HIST-2110 (World Civilization, 1500 AD – Present) (3)</td>
<td>SOCI-2150 (Issues for Unity and Diversity) (3)</td>
</tr>
<tr>
<td>Math</td>
<td>SOCI-2250 (Marriage and Family) (3)</td>
</tr>
<tr>
<td>(3-4 credits)</td>
<td>SOCIAL / BEHAVIORAL:</td>
</tr>
<tr>
<td>(15-16 combined Science/Math credit minimum requirement for AS degree)</td>
<td>PSYC-1810 (Intro to Psychology) (3)</td>
</tr>
<tr>
<td>Natural Science</td>
<td>SOCI-1010 (Intro to Sociology) (3)</td>
</tr>
<tr>
<td>(4 credits from one area)</td>
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</tr>
<tr>
<td>(15-16 combined Science/Math credit minimum requirement for AS degree)</td>
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<tr>
<td>Choose from:</td>
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<tr>
<td></td>
<td>Any BIOS Biological Lab Science (4)</td>
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<td></td>
<td>Any CHEM Chemistry Lab Sci (4)</td>
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<tr>
<td></td>
<td>Any PHYS Physical Lab Science (4)</td>
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<tr>
<td>Personal Development</td>
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<tr>
<td>(3 credits)</td>
<td></td>
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<tr>
<td>PRDV-1010 (Achieving College Success) (3)</td>
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<tr>
<td>Social Science</td>
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<tr>
<td>(3 credits from 1 area)</td>
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<tr>
<td>HIST-2020 (American History II) (3)</td>
<td></td>
</tr>
<tr>
<td>HIST-2060 (History of Nebraska) (3)</td>
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</tr>
</tbody>
</table>

**Required Program Specific Coursework**

Students will select a specific emphasis area of interest in which they will complete a specific recommended curriculum to complete an AS degree.

**Program Specific Coursework**

26-27 credits

**Minimum Total Credits for AS**

60 credits
Academic Policies

Academic Transfer

Transferring Credits to WNCC

Non-Traditional or Experiential Learning Credit

Students whose special study or other unique experiences have given them proficiency equal to that ordinarily attained by students completing the course may be granted credit in that course in accordance with the following regulations:

- Non-traditional credit may not be acquired in college courses in which the student has previously enrolled or in academic disciplines where credit has already been earned in a more advanced course.
- WNCC participates in the College Level Examination Program (CLEP) in both subject and general areas. Satisfactory scores in the general examination of CLEP may be used to earn up to 25 credits. Details concerning the earning of credit by this method can be obtained directly from the Career Pathways and Advising Center.
- Credit may be awarded for those courses covered by the College Board’s Advanced Academic Information Placement Program (AP) examinations. An official report must be submitted to the Registrar’s Office documenting that the student has completed the examination with a rating of at least “3” in order for credit to be awarded.
- Credits by Advanced Placement or CLEP examinations earned by persons not enrolled at WNCC are held pending subsequent enrollment. A grade of “P” is listed. Failures are not recorded.
- WNCC accepts Military Training credit as recommended by the American Council on Education.

A maximum of 12 credits of experiential learning credit may be earned in subject areas included in the College Catalog. Inquire with the Registrar for further information.

Note: Not all colleges accept credits by advanced placement or experiential learning. Students earn those credits at their own risk.

Transfer of Credits to WNCC

Students wishing to transfer into WNCC credits earned at other accredited post-secondary institutions must have an official transcript sent directly from that institution to the WNCC Registrar for evaluation. The Registrar and the applicable department faculty determine transferability based on equivalency of courses requested for transfer to WNCC. As part of that determination, the College evaluates the depth and breadth of course content. Only courses that are similar in content are applied toward a WNCC degree, diploma, or certificate. Nontraditional coursework (CLEP, Experiential Learning Credit, etc.) must be documented and is subject to review by the Registrar and the appropriate division. Transfer credit is given for classes in which a grade of C- or better is earned from a regionally accredited institution. Transfer of courses from non-accredited institutions are subject to division approval.

Transferring Credits from WNCC

Associate Degrees

The associate of arts (AA) and associate of science (AS) degrees prepare students for transfer to a four-year college or university.

To receive a degree from Western Nebraska Community College, a student must meet the requirements stated previously in this catalog. AA and AS degrees are based on the requirements listed herein, and the emphasis area listings that follow are recommended courses of study. It is the student’s responsibility to know the requirements for his or her chosen degree.

Four-year colleges and universities have their own requirements for a bachelor’s degree. Students who plan to transfer to a four-year college/university should consult their faculty advisor and transfer advisor early in their WNCC career to determine the appropriate curriculum.

Any student planning to transfer to the University of Wyoming should be aware that the American Government course transfers; however, the student will be required to take a test in Wyoming History and Government to fulfill the Wyoming government and constitution requirement mandated by the State Legislature.

A student who lacks a high school diploma or GED and is enrolled in academic transfer courses may take a maximum of 15 credits. Enrolling in further academic transfer courses requires a high school diploma or GED. Additionally, students accumulating 12 credits of coursework must take the ACCUPLACER® or provide documentation verifying an ACCUPLACER® exemption before enrolling in more courses.

The Nebraska Transfer Initiative

The Nebraska Transfer Initiative is a cooperative effort by Nebraska's public and private higher education institutions to facilitate transfer of students who have
earned an associate of arts degree in to baccalaureate-level programs. The core of this initiative is a common
general education cluster of courses. The student, in consultation with an assigned faculty advisor, transfer
advisor, and the institution to which the student is transferring, should select the remainder of credits
required for the associate of arts degree.

The initiative provides a smooth transition with a minimum loss of time and credit when the baccalaureate
granting institution in Nebraska accepts it. Effectively, through this initiative, associate’s and baccalaureate-
granting institutions are equal partners in providing the first two years of a baccalaureate degree.

Essentially, any student who has successfully completed the courses identified in the articulated associate of arts
general education core curriculum with an equivalent of a C (2.0 on a 4.0 scale) or higher and is admitted in transfer
to a participating institution is:

• granted standing comparable to current students who have completed the same number of equivalent credit
courses toward an associate/baccalaureate level degree; and

• able to progress toward an associate/baccalaureate degree completion at a rate comparable to that of
students who entered the associate/ baccalaureate institution as first-time freshmen.

Participating institutions in this initiative include:

• Bellevue University
• Central Community College Area
• Chadron State College
• Clarkson College
• College of Saint Mary
• Concordia College
• Grace University
• Hastings College
• Little Priest Tribal College
• Metropolitan Community College Area
• Midland Lutheran College
• MidPlains Community College Area
• Nebraska Christian College
• Nebraska Methodist College
• Nebraska Wesleyan University
• Northeast Community College Area
• Peru State College
• Southeast Community College Area
• Union College
• University of Nebraska

• Wayne State College
• Western Nebraska Community College
• York College

To view the Nebraska Transfer Initiative associate of arts
degree courses matrix, visit
ncca.ne.gov/ncca/netransferinitiative.html.

For more information on this Initiative and specific institutional requirements, please contact transfer advisor
and the institution to which you are transferring.

Reverse Transfer

Students who transfer before they graduate from WNCC
are eligible to take advantage of the reverse transfer
program. Reverse transfer simply involves requesting transcripts be sent from the credit granting institution to
WNCC for review. If the courses taken at the credit granting institution meet the missing requirements for a
student’s associate’s degree, WNCC will award the degree. This program allows students to finish their
associate’s degree while pursing their studies at another accredited institution of higher education.

Assessment Philosophy & Purpose

As an institution, WNCC has a tradition of assessing
student learning. As the College looks to the future, it seeks to improve academic achievement. As a part of the
mission of the College, WNCC believes that the philosophy and purpose of assessing student academic
achievement is to accomplish the following:

• improve student learning;

• involve all members of the College community and appropriate advisory committees;

• measure student learning in all phases of the academic program, but especially the competence of
  graduates; and

• implement quality improvement based on data collection, analysis, planning, and allocation of resources.

ACCUPLACER® Basic Skills Assessment

WNCC strives to assist students in the successful pursuit of educational and career goals. In order to best serve the
needs of students and contribute to their success, it is necessary that WNCC know the characteristics of its
students both as individuals and as a group. To assist in effective advising, a pre-enrollment assessment called
ACCUPLACER® is used. ACCUPLACER® measures basic skills in the areas of writing, reading, and mathematics and helps determine placement in courses with an assessment score prerequisite.

ACCUPLACER® is administered to:
- students enrolling in English, reading, or mathematics courses;
- students enrolling in courses with English, reading, or math prerequisites; or
- students who have accumulated 12 credits of coursework.

Notes:
- The ACCUPLACER® requirement is waived for students who already possess a college degree from an accredited institution of higher education. The Registrar must receive official transcripts verifying the degree prior to enrollment. A required degree of performance is necessary prior to enrolling in English, reading, and mathematics courses. Successful completion of ENGL-1010 (English Composition I), ENGL-0070 (Reading Techniques), and/or MATH-1150 (College Algebra) or a higher-level math course exempts the student from the corresponding ACCUPLACER® requirement.

- With a nominal retest fee, the student may retake ACCUPLACER®. However, it is recommended that the student wait two (2) weeks and complete 15 contact credits of documented intervening instruction before retesting. Study guides are available in the Student Life and Engagement Center. For further information regarding ACCUPLACER®, contact 308.635.6050.

Other Outcomes Assessment
Assessment is an ongoing process that provides information about student learning through the measurement of knowledge, skills, or abilities against defined competencies or learning outcomes. As the assessment program at WNCC evolves in response to findings acquired through various projects and activities, it is necessary that all members of the College community, including faculty, students, staff, and administration, assist the institution in its effort to improve teaching and learning.

Attendance
Attendance and participation are necessary and required components to successfully completing a course. Successful students attend class regularly, come to each class prepared, and engage in class activities. Classes at WNCC are set up in a format in which students will not only be participating in lectures and discussions, but they will also be experiencing a variety of activities throughout the semester that will help them master the material. It is vital for students’ success that they have the ability to experience these different learning tools for maximum benefit from the course. Students who are repeatedly tardy or absent from class will be missing vital components necessary for their success. Students should review their respective instructor’s attendance policy found in the class syllabus.

Faculty may, at their discretion, utilize an “attendance warning notice” to make students aware of the ramifications of excessive absences. Faculty may also administratively withdraw students from a course for failing to attend. Such action cannot be taken after the last day to withdraw from a class as established by the Registrar each semester, and students have the right appeal that action. Faculty may, however, continue to issue an attendance warning notice as necessary after the last day to withdraw from class.

Students who stop attending class should not assume they have been administratively withdrawn and should follow the institution’s formal withdrawal process for courses or from the college.

Absence for Emergencies
If a student must miss class due to an unforeseen circumstance (accident, bereavement, serious illness, etc.), the student should contact his or her instructor or instructors prior to the absence to discuss or make arrangements for missing work. Instructors may ask for documentation that validates the absence; instructors are expected to make reasonable arrangements for the completion of missing work.

Absence for Sanctioned School Activities
Students participating in sanctioned school activities will not be penalized for missing class if the student and instructor have met prior to the absence and have arranged to complete all missing work. Students are responsible for discussing the absence and missing assignments with the instructor, along with a plan for completion, before the scheduled activity date. Instructors are expected to make reasonable arrangements for the completion of the missing work for these students. Students who know they will be repeatedly absent due to school activities should speak with their advisor on alternative course selections that may fit in better with the activity schedule.

Disabilities and Accommodations
If a student believes it may not be possible to abide by the absence policy because of issues related to a disability,
the student must contact the Counseling Director (Disability Services Officer) before the academic semester begins or as soon as the need arises to discuss the matter of a possible accommodation. Determination of eligibility for a disability-related class absence is made on a case-by-case basis.

**Absence for Military Duty**

A student responding to a lawful deployment order through a branch of the United States armed forces may avail himself or herself of specified course alterations or modifications by requesting a Military Leave of Absence (MLOA) through his or her instructor. Military leave policy relates to students who are registered for classes at WNCC, whether by face-to-face or distance learning instructional delivery.

**Absence for Religious Observation**

A student may request an excused absence from class for participation in religious observances. In all such instances, it is the student’s responsibility to request, preferably in writing, that the instructor excuse the absence and to discuss how the absence will affect the student’s ability to meet the course requirements. A student should make any such requests by the end of the second week of classes.

**Medical Withdrawal**

WNCC recognizes that students may experience medical situations that significantly limit their ability to function successfully or safely in their role as students. In those situations, students should consider requesting a medical withdrawal, which permits students to take a break from College life and their studies so that they may receive treatment and later return to the College with an enhanced opportunity to achieve their academic goals. It is imperative students considering a medical withdrawal meet with Financial Aid before finalizing a full drop.

**Cooperative Education**

**Internships and Practicums**

Cooperative Education at WNCC provides a link between various outside businesses, industries, or agency elements enhancing a student’s achievements while pursuing a specific program of study. Cooperative Education experiences make on campus studies more meaningful and stimulating by providing students with opportunities to apply classroom theory to real world situations. Cooperative Education provides real-world situations to encourage the development of good work habits and attitudes. These opportunities also cultivate an understanding of the importance of taking professional responsibility and initiative, and to attain the interpersonal skills to work harmoniously with others. Students will obtain first hand appraisal of their capabilities, interests, and preferences.

Cooperative Education consists of two options:

- Internships
- Practicums

Students with an interest in and/or requirement for an internship or practicum will make appropriate arrangements through the coordinating instructor in their area. Certain programs of study at WNCC have Cooperative Education opportunities included as part of the regular curriculum.

Cooperative Education is available during fall, spring, or summer semesters and is open to regular students who have declared a major in the field in which their internship or practicum is offered. The hours earned through internship and practicum will become part of the student’s regular course load for that semester. Standard tuition and fees are assessed and must be paid as with any other credit-bearing course. A student earns one college credit per 60 hours of internship or 45 hours of practicum experience.

In order to take part in a Cooperative Education project, students must meet the GPA and completed credit hour requirements as outlined in the master syllabus for each program. Prior to beginning an Internship or practicum, the employer, coordinating instructor, and student meet to develop a training agreement. The coordinating instructor, after consulting with the employer and the student, determines the number of credits hours the student will earn upon completion of the experience. The number of credit hours earned will depend upon the length of employment and total hours worked.

Once the training agreement is in place, the coordinating instructor will make periodic visits or phone calls to the respective internship or practicum site for evaluative purposes and will ultimately determine the final grade. A maximum of 12 internship or practicum credit hours will be applied toward a degree.

**Note:** A veteran may not be eligible to receive VA benefits and participate in Cooperative Education. Please check with the Military and Veterans Affairs Office before proceeding.

**Course/Credit Information**

**Course Abbreviations**

Western Nebraska Community College uses the following standard abbreviations for academic subject areas as part of its course designations and descriptions. The first four
characters, as presented below, represent the specific academic subject area.
ACCT Accounting
AGRI Applied Agriculture Technology
ADNR Nursing (Associate Degree)
AMDT Advanced Manufacturing Technology
ANTH Anthropology
ARTS Art
AUTB Collision Repair & Refinish Technology
AUTO Automotive Technology
AVIA Aviation Maintenance
BIOS Biological Sciences
BSAD Business Administration
BSTC Business Technology
CHEM Chemistry
CRIM Criminal Justice
DRAF Drafting Technology
ECED Early Childhood Education
ECEN Electrical & Computer Engineering
ECON Economics
EDUC Education
EMSP Emergency Medical Services
ENGL English
ENGR Engineering
ESLX English as a Second Language
GEOL Geology
GBST Global Studies
HIMS Health Information Technology
HIST History
HLTH Health Occupations
HUMS Humanities
HUSR Human Services
INFO Information Technology
LPNR Nursing (Practical)
MATH Mathematics
MEDT Medical Laboratory Technician
MNGT Management
MRKT Marketing
MUSC Music
NURA Nursing (Assistant/Aide)
NURS Nursing
PHED Physical Education
PHIL Philosophy
PHOT Photography
PHYS Physical Sciences
POLS Political Science
PRDV Personal Development
PSYC Psychology
REES Real Estate
SOCI Sociology
SPAN Spanish
SPCH Speech
SURT Surgical Technology
THEA Theatre Arts
TRAN Transportation
UTIL Powerline Construction and Maintenance
WELD Welding Technology

Course Numbering
1. Courses offered at Western Nebraska Community College have an eight-character code grouped in three (3) sections.
2. The first four characters (NNNNxxxx) represent the academic subject area in which the course is normally taught.
3. The fifth character (xxxxNxxx) represents the level of the course.
4. The sixth, seventh, and eighth characters (xxxxxNNN) represent the specific course number.

This system of course coding provides identification of courses by discipline and level as well as transferability with other institutions.
1. If both the fifth and sixth characters are “zero” (xxxx00xx) these courses are developmental in nature. Developmental courses do not meet graduation requirements for associate degrees, diplomas, or certificates.
2. If only the fifth character is a “zero” (xxxx0xxx) the courses are not transferable and do not meet graduation requirements for AA or AS degrees, but meet graduation requirements for the AAS degree.
3. If the fifth character is “one” (xxxx1xxx) it is a freshman level course offering; and if “two” (xxxx2xxx) a sophomore level course offering.
4. The sixth and seventh characters are assigned to identify each specific course.
5. All special topics seminars end in “980” (xxxxx980) and directed independent studies in “990” (xxxxx990).

Course Offerings
The College reserves the right to select the courses offered during any semester. Course offerings are announced in the official schedule for the semester but are contingent upon sufficient enrollment levels and staff availability. Course scheduling is subject to change without prior notification.
Credit

The unit of measure for a course is a credit; one credit is earned in a course that is scheduled for one class hour per week for a 15-week semester. An exception to this rule is for labs associated with a lecture course. For labs, two or three class credits in the laboratory are required for a single credit.

Credits for each course are indicated after the course title and are awarded in accordance with the minimum requirements as follows:

a. **Semester Hours:** Total number of credit hours a course is assigned
b. **Lecture Classroom:** A supervised lecture (15 contact hours per credit).
c. **Laboratory Hours:** A supervised laboratory experience (30 contact hours per credit).
d. **Vocational Laboratory:** A supervised laboratory experience in a vocational field (45 contact hours per credit).
e. **PE Hours:** A course requiring students to participate in physical training or conditioning or other physical exercise activities, sports, or games (30 contact hours per credit).
f. **Ensemble Hours:** A course requiring recital-, performance-, or ensemble-focused experiential work, where students, through practice or rehearsal, engage in the creative and artistic act of performing works of music for a jury or audience (15 contact hours per credit).
g. **Studio Hours:** A course in which all students are engaged in created or artistic activities which are new and unique and not formulated in a lecture setting.
   - **Art Studio Hours** (25 contact hours per credit)
   - **Music Studio Hours** (7.5 contact hours per credit)
   - **Dance Studio Hours** (45 contact hours per credit)
h. **Practicum/Clinical/Recitation:** A supervised experience in a clinical setting either on or off campus (45 contact hours per credit).
i. **Internship:** An outside work experience governed by the College (60 contact credits per credit).

The diagram below accompanies each course description and appears on the master syllabus for each course. The “formula” describes the credit/contact credits required for a course.

Credit for a course may be earned only once. Exceptions are made for the following courses which may be taken more than once for credit though there is a limit on the number of credits that can be earned:

- MUSC-1160 Band
- MUSC-1200 Collegiate Chorale
- MUSC-1230 Fire in the Pan Truck
- MUSC-1240 Varsity Vocalise
- MUSC-1260 WNCC Studio Band
- SPCH-1210 Speech and Debate
- THEA-1760 All College Play

Graduation Requirements

In order to be accepted as a degree candidate, the student must show eligibility by completing a written degree audit with the Registrar by the graduation application deadline of the term they wish to graduate. This deadline is set for the second Friday of November for fall graduation, the second Friday of April for spring graduation, and the second Friday of June for summer graduation. Students must also meet the following minimum qualifications:

- all entrance requirements must be fulfilled;
- all financial obligations to the College must be paid; and
- a minimum of 60 credits must be earned with a grade point average of at least “C” on all WNCC credits.

The commencement ceremony takes place each year at the close of the spring semester.

Residency Requirements for Graduation

Students must complete 25% of their degree requirements from WNCC.

Any exceptions to this requirement must meet with the express approval of the Executive Vice President of Education and Students Services.

Program Review

A formal review of all instructional programs offered by Western Nebraska Community College takes place on a seven-year cycle, using a process developed by the Nebraska Coordinating Commission for Postsecondary
Education (CCPE). In addition, all instructional programs are reviewed, as required, by internal departments and committees. Finally, advisory committees comprised of business and industry representatives provide recommendations regarding program content. A listing of the advisory committees of the College appears on page 11 of this catalog.

**Tests and Examinations**

Tests and examinations are an integral part of education. Not only do they provide motivation for study, they are used in the assessment of learning assessments and the evaluation of educational objectives. Tests and examinations may be administered in all courses at the discretion of the instructor.
Programs of Study

Applied Agriculture Technology

Diploma
Certifycte
Scottsbluff

The applied agriculture technology program emphasizes technical knowledge and skills related to crop production and livestock operations. Coursework provides learning related to agricultural machinery use and operation, facility and equipment maintenance, regulations governing agriculture, plant science, and animal science.

Program Outcomes:
- Demonstrate recognition of agricultural facility operations and compliance needs.
- Demonstrate understanding of how to safely operate agricultural machinery.
- Demonstrate awareness of broader issues facing the agricultural industry, both current and future.
- Obtain industry credentials recognized by the local workforce.
- Apply skills and abilities identified as WNCC’s five general educational goals.
- Successfully obtain a job in agriculture operations.

Diploma

D2.0199 (34 credits)

To earn a diploma in applied agriculture technology, students must complete nine (9) credits of general education requirements and 25 credits of required applied ag courses, 16 of which can be earned by completing the requirements for the applied agriculture basic certificate.

Recommended Plan of Study

General Education Requirements 9 credits

Course Credits
ENGL-1000 Workplace Writing (or higher)* 3
MATH-1020 Technical Mathematics (or higher)* 3
PRDV-1010 Achieving College Success 3

*Written Communication and Qualitative Reasoning selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Core Program Requirements 25 credits

Course Credits
AGRI-1005 Intro to Applied Agriculture 3
AGRI-1010 Agricultural Regulations or Elective (see advisor) 3
AGRI-1020 Weed and Pest Control 3
AGRI-1100 Agriculture Machinery 3
AGRI-1370 Water Systems Management 3
AGRI-1400 Ag Commercial Vehicle Operation 3
AGRI-2000 Emerging Agriculture Issues 3
AGRI-2500 Field Internship 3
AMDT-1000 OSHA-10 1

Total Diploma Requirements 34 credits

Certificates

C1.0199A (16 credits) Applied Agriculture Basic
C1.0199B (16 credits) Agriculture Welder

WNCC offers two certificate programs in applied agriculture, a basic program and one focusing on welding. The credits earned for the basic applied agriculture certificate fulfill 16 credits of the requirements for a diploma in applied agriculture.

Recommended Plans of Study

Applied Agriculture Basic Certificate

Course Credits
AGRI-1020 Weed and Pest Control 3
AGRI-1100 Agriculture Machinery 3
AGRI-1370 Water Systems Management 3
AGRI-1400 Ag Commercial Vehicle Operation 3
AGRI-2500 Field Internship 3
AMDT-1000 OSHA-10 1

Total Certificate Credits 16

Agricultural Welder Certificate

Course Credits
AGRI-1100 Agricultural Machinery 3
AGRI-1370 Water Systems Management 3
AMDT-1000 OSHA-10 1
Agricultural elective 3
Welding electives 6

Total Certificate Credits 16
Automotive Technology

Associate of Applied Science (AAS) Certificate Scottsbluff

Upon completion of the automotive technology program, the student possesses the skills and knowledge required for employment in the automotive industry. The automotive technology curriculum includes information on vehicles from a variety of manufacturers, both foreign and domestic.

Program Outcomes

- Demonstrate safe, clean work habits, attitudes, and proficiencies required in the area of automotive maintenance, problem diagnosis, repair, function/appearance restoration, or paint and refinishing.
- Demonstrate a professional work ethic and cooperative attitude necessary for successful employment in a service industry.
- Perform repairs under conditions similar to those found in the automotive industry.
- Work effectively with others in order to accomplish tasks requiring collaboration or teamwork to complete the job.
- Research shop manuals and Internet sites for correct repair procedures or specifications and write a descriptive work order upon completion of repairs.
- Identify, select, and utilize correct tools, workshop techniques, and equipment to accomplish complete projects commonly found in the automotive industry.
- Apply individual and clustered skill sets listed in the competency task lists relating to various aspects of automotive industry maintenance and repair.

Associate of Applied Science

AAS.4706D (64-66 credits)

For the associate of applied science degree in automotive technology, students will complete 64-66 credits, which includes a minimum of 15 general education requirements.

Notes

- Students may enroll in an internship after maintaining a 3.0 GPA in 12 or more credits of coursework in automotive technology.

Program Requirements

AAS General Education Core 15-17 credits

Class Credits
Written Communication* 3
Oral Communication 3
Quantitative Reasoning* 3-4
Social or Lab Science 3-4
Personal Development 3

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Core Program Requirements 49 credits
Total AAS Requirements 64-66 credits

Recommended Plan of Study

1st Semester Credits
AUTO-1100 Engine Repair I 3
AUTO-1110 Engine Repair II 3
AUTO-1235 Automotive Brake Systems 4
AUTO-1240 Suspension, Steering, & Alignment 3
AUTO-1330 Chassis Electrical 3
Total Credits 16

2nd Semester Credits
AUTO-1260 Automatic Transmission Fundamentals and Servicing 3
AUTO-1290 Manual Transmission & Drivetrain 3
AUTO-1300 Advanced Automatic Transmissions 3
AUTO-1340 Automotive Body Electrical 3
AUTO-1350 Automotive Heating & A/C 4
PRDV-1010 Achieving College Success 3
Total Credits 19

3rd Semester Credits
AUTO-1370 Ignition Systems 3
AUTO-1390 Computerized Engine Management Systems 3
AUTO-2500 Automotive Internship or Technical Elective 3
Quantitative Reasoning GE elective 3-4
Social or Lab Science GE elective 3-4
Total Credits 15-17

4th Semester Credits
AUTO-1120 Engine Removal & Reinstallation 2
AUTO-1375 Fuel Systems 3
AUTO-1410 Emission Control Systems & Drivability 3
Certificates
C2.4706E (16 credits) Powertrain & Chassis Repair
C2.4706F (16 credits) Drivetrain & Under Hood Repair
The automotive technology program at WNCC offers two certificates, one in powertrain and chassis repair and another in drivetrain and under hood repair. Each of the two certificates is designed as a standalone program, or they can be combined to fulfill 32 of the 64-66 credits required for the associate of applied science degree in automotive technology.

Recommended Plans of Study
Powertrain and Chassis Repair Option

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO-1100</td>
<td>Engine Repair I</td>
</tr>
<tr>
<td>AUTO-1110</td>
<td>Engine Repair II</td>
</tr>
<tr>
<td>AUTO-1235</td>
<td>Automotive Brake Systems</td>
</tr>
<tr>
<td>AUTO-1240</td>
<td>Suspension, Steering, &amp; Alignment</td>
</tr>
<tr>
<td>AUTO-1330</td>
<td>Chassis Electrical</td>
</tr>
</tbody>
</table>

Total Certificate Credits 16

Drivetrain and Under Hood Repair Option

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO-1260</td>
<td>Automatic Transmission, Fundamentals and Servicing</td>
</tr>
<tr>
<td>AUTO-1290</td>
<td>Manual Transmission &amp; Drivetrain</td>
</tr>
<tr>
<td>AUTO-1300</td>
<td>Advanced Automatic Transmissions</td>
</tr>
<tr>
<td>AUTO-1340</td>
<td>Automotive Body Electrical</td>
</tr>
<tr>
<td>AUTO-1350</td>
<td>Automotive Heating &amp; A/C</td>
</tr>
</tbody>
</table>

Total Certificate Credits 16

Aviation Maintenance

Associate of Applied Science
Certificate
Sidney
The aviation maintenance program at WNCC is approved by the Federal Aviation Administration (FAA). The program prepares students for entry-level aviation maintenance technician positions.

The aviation maintenance program requires a minimum total of 1900 clock credits. Upon successful completion, the student is eligible to take the FAA examinations.

Technical Standards
Technical standards for the aviation maintenance program at Western Nebraska Community College are promulgated upon an extensive set of subject-area criteria which cover not only knowledge levels but skills demonstration established by the FAA in Subpart D of Part 65 of the Federal Aviation Regulations (FAR’s), part of Title 14 of the Code of Federal Regulations. The criteria can be found at rgl.faa.gov/ and should be carefully reviewed by prospective students in order to best understand the scope and demands of training. The curriculum for the program is specified in Part 147 – Aviation Maintenance Technician Schools.

Program Outcomes
- Develop safe, clean work habits, attitudes, and skills.
- Develop a thorough knowledge of Federal Aviation Regulations.
- Acquire, develop, and apply both academic knowledge and practical skills related to all phases of aviation repair in preparation for sitting for the FAA exams.
- Perform repairs and other aviation maintenance functions under conditions similar to those in an aviation maintenance shop.
- Explore aviation technology careers.

Notes
- Course availability may differ from semester to semester. See advisor prior to registration.
- Credit for previous courses and military training can be applied toward the program requirements.

Associate of Applied Science
AAS.4901 (92 credits)
The AAS degree is designed to increase student opportunities in the field of aviation maintenance. Students must successfully complete a minimum of 15 credits of general education in addition to the aviation hours required for the certificate (see below). Students should consult with their academic advisor about how best to incorporate the general education requirements into their academic pathway.

NOTE: The credit hour requirement for a certificate in Aviation exceeds the College’s definition for an AAS degree due to industry requirements.
Program Requirements

AAS General Education Core  15 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1000 (Workplace Writing)</td>
<td></td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCH-1200 (Human Communication)</td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1020 (Technical Math)</td>
<td></td>
</tr>
<tr>
<td>Social or Lab Science</td>
<td>3</td>
</tr>
<tr>
<td>ECON-1230 (General Economics)</td>
<td></td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Core Program Requirements  77 credits

See aviation requirements listed in the plan of study for the certificate program.

Total AAS Requirements  92 credits

Certificate

C2.4901 (72-78 credits)

The certificate in aviation maintenance is designed as a standalone program or to fulfill at least 77 credits of the AAS Degree.

NOTE: The credit hour requirement for a certificate in Aviation exceeds the College’s definition for a certificate due to industry requirements.

Recommended Plan of Study

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIA-1101 Ground Operations and Regulations</td>
<td>3.5</td>
</tr>
<tr>
<td>AVIA-1102 Applied Math for Aviation Maintenance</td>
<td>3.5</td>
</tr>
<tr>
<td>AVIA-1105 Aircraft Drawing, Fluid Lines, &amp; Nav-Comm</td>
<td>3</td>
</tr>
<tr>
<td>AVIA-1106 Materials, Processes, &amp; Corrosion</td>
<td>3.5</td>
</tr>
<tr>
<td>AVIA-1109 Applied Electrical Science for Aviation Maintenance</td>
<td>4.5</td>
</tr>
<tr>
<td>AVIA-1301 Airframe Systems I</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>19.5</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIA-1202 Airframe Structure I</td>
<td>2.5</td>
</tr>
<tr>
<td>AVIA-1203 Airframe Structure II</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIA-1204 Airframe Structure III</td>
<td>3</td>
</tr>
<tr>
<td>AVIA-1205 Airframe Structure IV</td>
<td>2.5</td>
</tr>
<tr>
<td>AVIA-1302 Airframe Systems II</td>
<td>3.5</td>
</tr>
<tr>
<td>AVIA-1303 Airframe Systems III</td>
<td>3.5</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIA-2302 Airframe Systems IV</td>
<td>3</td>
</tr>
<tr>
<td>AVIA-2305 Airframe Systems V</td>
<td>3</td>
</tr>
<tr>
<td>AVIA-2307 Airframe Systems VI</td>
<td>3</td>
</tr>
<tr>
<td>AVIA-2401 Engine Cooling &amp; Recip Theory</td>
<td></td>
</tr>
<tr>
<td>AVIA-2501 Powerplant Systems I</td>
<td>4</td>
</tr>
<tr>
<td>AVIA-2505 Engine Ignition</td>
<td>3.5</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>20.5</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIA-2402 Powerplant Reciprocating Engine Maintenance</td>
<td>4</td>
</tr>
<tr>
<td>AVIA-2403 Powerplant, Turbine Engines</td>
<td>4</td>
</tr>
<tr>
<td>AVIA-2502 Powerplant Systems II</td>
<td>4.5</td>
</tr>
<tr>
<td>AVIA-2503 Powerplant Electrical</td>
<td>3</td>
</tr>
<tr>
<td>AVIA-2504 Powerplant, Lubrication</td>
<td>1.5</td>
</tr>
<tr>
<td>AVIA-2511 Powerplant Propellers</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

**Total Certificate Credits  77**

Business Administration

Associate of Arts

Associate of Science

Alliance • Scottsbluff • Sidney

The business administration program offers courses in the areas of accounting, marketing, business law, management, and management information systems, along with specific general education courses to provide students with the first two years of a baccalaureate degree in business. The suggested curriculum meets the requirements for admission as a junior to degree programs in business administration and accounting at many colleges and universities. Students are also provided the opportunity to combine business administration with an area of emphasis in management information systems.

Degree options are available in:
- Accounting
- Business administration
- Management Information Systems (MIS).
Program Outcomes

- Apply analytical and critical thinking skills to solve problems applicable to business. Promote and help students develop lifelong learning skills needed for professional and personal growth.
- Apply knowledge of business principles, concepts, and theories acquired throughout the business program.
- Communicate business principles and decisions effectively using written and oral communication.
- Demonstrate the ability to use technology and computer software applications in business including library and online resources.
- Explore ethical issues and their impact on business and society.
- Demonstrate the knowledge and skills necessary to complete WNCC’s general education requirements for the associate degree.
- Demonstrate success at transfer institutions.

Notes

- The AA program options are also available online. (Some optional courses within the programs may not be available online.)
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Students who plan to transfer to Chadron State College should follow the associate of arts degree program.
- Students may enroll in an internship after completing 30 or more credits of the business administration program with a 3.0 or higher GPA. All internships must be pre-approved.
- In addition to the 18 credits of required business core classes and the courses recommended for each option, students are required to complete the general education requirements for the AA degree (31-32 credits) or for the AS degree (33-34 credits).

Associate of Arts

Program Requirements

AA General Education Core 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
</tbody>
</table>

Math 3-4
Lab Sciences 4
Personal Development 3
Social Science (recommended courses below) 6

Class   Credits
ECON-2110 Principles of Macroeconomics 3
ECON-2120 Principles of Microeconomics 3
POLS-1600 International Relations 3
SOCI-1010 Introduction to Sociology 3

Note: Some general education requirements may be satisfied by courses in liberal arts areas. Please consult with an advisor for details.

Core Business Requirements 18 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1200 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-1210 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2500 Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2520 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2540 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1100 Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2000 Advanced Microcomputer Apps</td>
<td></td>
</tr>
</tbody>
</table>

Core Courses for Option Area 12 credits

Total AA Requirements 61-62 credits

Accounting Option (AA)

AA.A.5202E (61-62 credits)

In addition to the general education requirements for an AA (31-32 credits) and the business core courses (18 credits), a total of 12 credits should be selected from the following groups:

Nine (9) to 12 credits should be selected from the following:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-2200 Cost-Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2250 Individual Income Tax</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2310 Accounting: Computer Applications (QuickBooks)</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2500 Accounting Internship</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2800 National Certified Bookkeeper Prep</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2100 Managerial Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

0 to three (3) credits can be selected from the following:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON-2110 Principles of Macroeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>
ECON-2120  Principles of Microeconomics  3
INFO-1030  Spreadsheets  3

Business Administration Option (AA)
AA.B.5202E (61-62 credits)
In addition to the general education requirements for an AA (31-21 credits) and the business core courses (18 credits), a total of 12 credits should be selected from ACCT, BSAD, ECON, or INFO courses.

Management Information Systems (MIS) Option (AA)
AA.C.5202E (61-62 credits)
In addition to the general education requirements for an AA (31-32 credits) and the business core courses (18 credits), a total of 12 credits should be selected from INFO courses.

Recommended Plan of Study
(for all AA options)

1st Semester  Credits
ACCT-1200  Principles of Accounting I  3
ENGL-1010  English Composition I  3
INFO-1100  Microcomputer Applications  3
INFO-2000  Advanced Microcomputer Apps  3
MATH-1150  College Algebra  3
PRDV-1010  Achieving College Success  3
Total Credits  15

2nd Semester  Credits
ACCT-1210  Principles of Accounting II  3
ENGL-1020  English Composition II  3
Business Option course  3
Lab Science GE elective  4
Oral Communication GE elective  3
Total Credits  16

3rd Semester  Credits
BSAD-2520  Principles of Marketing  3
BSAD-2540  Principles of Management  3
Business Option course  3
Humanities GE elective  3
Social Sciences GE elective  3
Total Credits  15

4th Semester  Credits
BSAD-2500  Business Law I  3
Business Option courses  6

Humanities GE elective  3
Social Sciences GE elective  3
Total Credits  15
Total AA Credits  61

Associate of Science

Requirements

AS General Education Core  33-34 credits

Class
Written Communication  6
Oral Communication  3
Humanities  3
Math*  3-4
Lab Sciences*  4
Personal Development  3
Social Science  3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Business Requirements  18 credits

Class  Credits
ACCT-1200  Principles of Accounting I  3
ACCT-1210  Principles of Accounting II  3
BSAD-2500  Business Law I  3
BSAD-2520  Principles of Marketing  3
BSAD-2540  Principles of Management  3
INFO-1100  Microcomputer Applications  3
INFO-2000  Advanced Microcomputer Apps  3

Core Courses for Option Area  9 credits

Total AS Requirements  60-61 credits

Accounting Option (AS)

AS.A.5202F (61 credits)
In addition to the general education requirements for an AS (33-34 credits) and the business core courses (18 credits), a total of nine (9) credits should be selected from ACCT courses.
Business Administration Option (AS)

AS.B.5202F (61 credits)

In addition to the general education requirements for an AS (33-34 credits) and the business core courses (18 credits), a total of nine (9) credits should be selected from ACCT, BSAD, ECON, or INFO courses.

Management Information Systems (MIS)

Option (AS)

AS.C.5202F (60-61 credits)

In addition to the general education requirements for an AS (33-34 credits) and the business core courses (18 credits), a total of nine (9) credits should be selected from INFO courses.

Recommended Plan of Study

(for all AS options)

1st Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1200</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2000</td>
<td>Advanced Microcomputer Apps</td>
<td></td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>PRD-1010</td>
<td>Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

2nd Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ACCT-1210</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2520</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Option course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15-17</strong></td>
</tr>
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</table>

3rd Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD-2540</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Business Option course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Math or Lab Science GE elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Oral Communications GE elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Sciences GE Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15-16</strong></td>
</tr>
</tbody>
</table>

4th Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD-2500</td>
<td>Business Law I</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Option courses 6
Humanities GE elective 3
Lab Science GE elective 4
**Total Credits** 16
**Total AS Credits** 60-64

Business Technology

Associate of Applied Science
Diploma
Certificate

Alliance • Scottsbluff • Sidney

The business technology program prepares the student for mid-level business technology positions. The curriculum is intended for students desiring to enter the workforce immediately after graduation. There are three (3) areas of concentration in the business technology AAS program for students to choose from:

- General Business
- Medical Office Management
- Information Technology Technical Support

Program Outcomes

- Students will be able to apply analytical and critical thinking skills to solve problems applicable to business. Promote and help students develop lifelong learning skills needed for professional and personal growth.
- Students will be able to apply knowledge of business principles, concepts, and theories acquired throughout the business program.
- Students will be able to communicate business principles and decisions effectively using written and oral communication.
- Students will be able to demonstrate the ability to use technology and computer software applications in business including library and online resources.
- Students will be able to explore ethical issues and their impact on business and society.
- Demonstrate the knowledge and skills necessary to complete WNCC’s general education requirements for the associate degree.
- Students will be able to demonstrate success at transfer institutions.

Notes

- All of these programs are also available online.
  (some optional courses may not be available online).
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer
advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.

- MATH-1010 Intermediate Algebra or higher may be taken instead of BSTC-1500.
- Any lab science or INFO-2350 may be taken instead of INFO-1220.
- Students following one of the certificate options must demonstrate competence in writing and mathematics by assessment (ACCUPLACER®) or by passing the appropriate mathematics and writing courses. This is in addition to the required curricula for the certificate options.
- Students may enroll in an internship after completing 30 or more credits of the Business Technology program with a 3.0 or higher GPA. All internships must be pre-approved.
- All internships require 60 contact credits per credit hour. For example: a minimum of 180 contact credits per semester is required to receive three credits for an internship).

Associate of Applied Science

Program Requirements

AAS General Education Core 15-17 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3-4</td>
</tr>
<tr>
<td>Social or Lab Science</td>
<td>3-4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Core Business Tech Requirement 6 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1100</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2000</td>
<td>Advanced Microcomputer Apps 3</td>
</tr>
<tr>
<td>BSAD-2420</td>
<td>Career Development Capstone 3</td>
</tr>
<tr>
<td>or Substitute 3 credits of internship from the following:</td>
<td></td>
</tr>
<tr>
<td>ACCT-2500</td>
<td>Accounting Internship 3</td>
</tr>
<tr>
<td>BSTC-2500</td>
<td>Office Internship I 3</td>
</tr>
<tr>
<td>INFO-2500</td>
<td>Information Technology Internship 3</td>
</tr>
<tr>
<td>MNGT-2500</td>
<td>Management Internship 3</td>
</tr>
</tbody>
</table>

Core Courses for Option Area 36-41 credits

Total AAS Requirements 60-67 credits

Business Technology – General Business Option (AAS)

AAS.5201 (60-62 credits)

Students must complete the 15-17 credits of general education requirements for the AAS and the six (6) credits of business technology core requirements, plus an additional 39 credits for a total of 60-62 credits.

Gen. Bus. Option Requirements 39 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1200  Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-1050  Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2450  Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2500  Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2540  Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ENTR-1050  Intro to Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>MRKT-2340  Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 18 credits from the following:

Students may choose any ACCT, BSAD, BSTC, ECON, ENTR, INFO, MNGT, or MRKT courses. Students should work closely with their faculty advisor to choose electives based on their desired career path.

Business Technology – Information Technology Technical Support Option (AAS)

AAS.1199B (61-62 credits)

Students must complete the 15-17 hours of general education requirements for the AAS and the six (6) hours of business technology core requirements plus an additional 40 credit credits for a total for 61-63 credits for the information technology technical support option.

IT Technical Support Requirements 40 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1040  Database (Access)</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1097  Electronic Communications (Outlook)</td>
<td>1</td>
</tr>
<tr>
<td>INFO-1220  Intro to Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1241  IT Technical Support</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1242  IT Hardware Support</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1360  Visual C#</td>
<td>3</td>
</tr>
<tr>
<td>or INFO-1510 Introduction to Robotics</td>
<td></td>
</tr>
<tr>
<td>INFO-1400  Networking Essentials</td>
<td>3</td>
</tr>
</tbody>
</table>
INFO-2000  Advanced Microcomputer Apps  3  
INFO-2040  SQL Database Design and Management  3  
INFO-2275  Project Management  3  
INFO-2426  Linux  3  
INFO-2450  Windows Server  3  
INFO-2600  Cybersecurity Essentials  3  

Plus three (3) credits from the following:

Class  Credits
INFO-1030  Spreadsheets (Excel)  3  
INFO-2350  Introduction to Computer Science  3  
INFO-1220  Introduction to Information Technology  3  
INFO-1360  Visual C#  3  
INFO-1510  Intro to Robotics  3  
  Information Technology elective  3  

Business Technology – Medical Office Management Option (AAS)

AAS.5204M (64-66 credits)

Students must complete the 15-17 hours of general education requirements for the AAS and the six (6) business technology core requirements plus an additional 43 credits for a total for 64-66 credits for the medical office management option.

AAS General Education Core  15-17 credits

Business Technology Core  6 credits

Medical Office Management Requirements  43 credits

Class  Credits
ACCT-1200  Principles of Accounting I  3  
ACCT-2310  Accounting: Computer Applications (QuickBooks)  3  
BSAD-1050  Introduction to Business  3  
BSTC-2330  Records Management  3  
BSTC-2340  Office Management  3  
  BSAD-2220  Supervisory Management  3  
HLTH-1060  Medical Terminology  3  
HIMS-1250  Introduction to Health Information Management  3  
HIMS-1410  Disease Process  4  
HIMS-1500  Legal and Ethical of HIM  3  
HIMS-2180  Reimbursement Methodologies  4  
HIMS-2100  Coding ICD  4  
HIMS-2150  Coding CPT  4  
INFO-1030  Spreadsheets (Excel)  3  

Total AAS Requirements  60-61 credits

Recommended Plan of Study

1st semester  

BSTC-2340  Office Management or  3  
BSAD-2220  Supervisory Management  3  
HIMS-1250  Intro to Health Information Management  3  
HLTH-1060  Medical Terminology  3  
LPNR-1110  Body Structure and Function  4  
PRDV-1010  Achieving College Success  3  

Total Credits  16

2nd semester  

ACCT-1200  Principles of Accounting I  3  
BSTC-1500  Business Mathematics  3  
BSTC-2330  Records Management  3  
HIMS-1500  Legal & Ethical Aspects – HIMS  3  
INFO-1100  Microcomputer Apps or  3  
INFO-2000  Advanced Microcomputer Apps  3  

Total Credits  15

3rd semester  

BSAD-1210  Business Communications  3  
HIMS-1410  Disease Process  4  
HIMS-2150  Coding CPT (with lab)  4  
INFO-1030  Spreadsheets  3  

Total Credits  14

4th semester  

BSAD-1050  Introduction to Business  3  
BSAD-2420  Career Development Capstone or  3  
BSTC-2500  Office Internship I  3  
HIMS-2100  Coding ICD (with lab)  4  
SPCH-1200  Human Communication  3  

Total Credits  13

5th semester  

ACCT-2310  Accounting: Computer Applications (Quickbooks)  3  
HIMS-2180  Reimbursement Methodologies (with lab)  4  

Total Credits  7  

Total AAS Med. Office Man.  65
Business Technology – Staff Accountant Option (AAS)

AAS.5201 (60-61 credits)
Students must complete the 15-17 hours of general education requirements for the AAS and the six (6) business technology core requirements plus an additional 38 credit hours for a total for 60-61 credits for the staff accountant option.

AAS General Education Core 15-17 credits

Business Technology Core 6 credits

Staff Accountant Requirements 38 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1200</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-1210</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2200</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2310</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2250</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2500</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2800</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2100</td>
<td>3</td>
</tr>
<tr>
<td>BSTC-2330</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1030</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1094</td>
<td>1</td>
</tr>
<tr>
<td>INFO-1097</td>
<td>1</td>
</tr>
<tr>
<td>INFO-2275</td>
<td>3</td>
</tr>
<tr>
<td>Any BSAD, BSTC, INFO, or ENTR Elective</td>
<td></td>
</tr>
</tbody>
</table>

Total AAS Requirements 60-61 credits

Diploma

Students must complete nine to 10 credits of general education courses, six (6) credits of required business core courses, and enough elective courses to meet the required credits in order to earn a diploma in the option areas of:

- Executive Assistant
- Information Technology Technical Support
- Staff Accountant

Program Requirements

Diploma General Education Core 9-10 credits

Business Technology Core 6 credits

Class | Credits
--- | ---
INFO-1100 | Microcomputer Applications 3
or
INFO-2000 | Advanced Microcomputer Apps
BSAD-2420 | Career Development Capstone 3
or
Any business related internship

Area of Emphasis Option 18-23 credits

Total Diploma Requirements 31-44 credits

Business Technology – Executive Assistant Option (Diploma)

D2.5201B (38 credits)

In order to earn a Business Technology – Executive Assistant diploma, students must complete the nine (9) credits of general education requirements, the six (6) credits of business technology core requirements, and 23 credits of credit of general business courses for a total of 38 credits. The 32 of the required 38 credits can be earned by completing both the Executive Assistant I and Executive Assistant II certificate programs.

Diploma General Education Core 9 credits

Class | Credits
--- | ---
BSAD-1210 | Business Communications 3
BSTC-1500 | Business Mathematics 3
PRDV-1010 | Achieving College Success 3

*Written Communication and Qualitative Reasoning selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Business Technology Core 6 credits

General Business Requirements 23 credits

Class | Credits
--- | ---
BSAD-1050 | Introduction to Business 3
BSAD-2540 | Principles of Management 3
BSTC-2330 | Records Management 3
BSTC-2340 | Office Management 3
INFO-1030 | Spreadsheets (Excel) 3
INFO-1094 | Introduction to Database 1
INFO-1097 | Electronic Communications (Outlook) 1
INFO-2000 Advanced Microcomputer Apps 3  
INFO-2275 Project Management 3  
**Total Exec. Asst. Diploma** 38 credits  

**Business Technology – Information Technology Technical Support Option (Diploma)**

D2.1199A (34 credits)

In addition to the general education requirements (10 credits) and core business requirements (6 credits), students must complete 18 credits of information technology core courses for a total of 34 credits to earn a diploma in information technology technical support.

**Diploma General Education Core** 10 credits  
Class  
CREDITS  
MATH-0160 Introductory Algebra (or higher) 4  
ENGL-1010 English Composition I 3  
PRDV-1010 Achieving College Success 3  

*Written Communication and Qualitative Reasoning selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.*

**Business Technology Core** 6 credits  
Class  
CREDIT  
INFO-1241 IT Technical Support 3  
INFO-1242 IT Hardware Support 3  
INFO-1400 Networking Essentials 3  

**Total IT Tech Diploma** 34 credits  

**Business Technology – Staff Accountant Option (Diploma)**

D2.5201A (44 credits)

In order to earn a Business Technology – Staff Accountant diploma, students must complete nine (9) credits of general education requirements, the six (6) credits of business technology core requirements, and 29 credits of credit of general business courses for a total of 44 credits. The 32 of the general business credits also can be earned by completing both the Staff Accountant I and Staff Accountant II certificate programs.

**Diploma General Education Core** 9 credits  
Class  
CREDITS  
BSAD-1210 Business Communications 3  
BSTC-1500 Business Mathematics 3  
PRDV-1010 Achieving College Success 3  

*Written Communication and Qualitative Reasoning selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.*

**Business Technology Core** 6 credits  
Class  
CREDIT  
ACCT-1200 Principles of Accounting I 3  
ACCT-1210 Principles of Accounting II 3  
ACCT-2200 Cost/Managerial Accounting 3  
ACCT-2310 Accountings Apps (Quickbooks) 3  
ACCT-2250 Individual Income Tax 3  
ACCT-2800 Nat’l Certified Bookkeeper Prep 3  
BSAD-2100 Managerial Finance 3  
BSTC-2330 Records Management 3  
INFO-1030 Spreadsheets (Excel) 3  
INFO-1094 Intro to Database (Access) 1  
INFO-1097 Electronic Communications (Outlook) 1  

**Total Staff Accountant** 44 credits  

**Certificate**

**Business Technology – Executive Assistant Option (Certificate)**

C2.5201C (16 credits) Executive Assistant I  
C5.5201D (16 credits) Executive Assistant II  

WNCC offers two executive assistant certificate options. Each option provides a standalone certificate, but when combined with an additional six credits of general education requirements, students will have fulfilled the requirements for an executive assistant diploma.

**Program Outcomes**

- Communicate appropriately verbally and nonverbally with supervisors, peers, and/or subordinates.
- Acknowledge and apply soft skills in the work environment to enhance professionalism and productivity.
- Demonstrate the ability to retrieve and archive information from various sources.
- Use project software to develop goals and methods to organize, plan, and prioritize work tasks and projects.

**Business Technology - Executive Assistant (Certificate)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD-1050</td>
<td>3</td>
</tr>
<tr>
<td>BSTC-2340</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1030</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1097</td>
<td>1</td>
</tr>
<tr>
<td>INFO-1100</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Certificate Credits</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Business Technology - Executive Assistant II (Certificate)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSAD-2420 Career Development Capstone</td>
<td>3</td>
</tr>
<tr>
<td>or Any business-related internship</td>
<td></td>
</tr>
<tr>
<td>BSAD-2540 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BSTC-2330 Records Management</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1094 Introduction to Database</td>
<td>1</td>
</tr>
<tr>
<td>INFO-2000 Advanced Microcomputer Apps</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2275 Project Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Certificate Credits</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Business Technology – Staff Accountant I (Certificate)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1200 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2310 Accountings Apps (Quickbooks)</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2250 Individual Income Tax</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1030 Spreadsheets (Excel)</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1097 Electronic Communications (Outlook)</td>
<td>1</td>
</tr>
<tr>
<td>INFO-1100 Microcomputer Apps</td>
<td>3</td>
</tr>
<tr>
<td>or INFO-200 Advanced Microcomputer Apps</td>
<td></td>
</tr>
<tr>
<td><strong>Total Certificate Credits</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Business Technology – Staff Accountant II (Certificate)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1210 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2200 Cost/Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-2800 Nat’l Certified Bookkeeper Prep</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2100 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>BSTC-2330 Records Management</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1094 Intro to Database (Access)</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Certificate Credits</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Collision Repair & Refinish Technology**

**Associate of Applied Science (AAS) Certificate Scottsbluff**

The collision repair and refinish technology program is designed to offer the necessary laboratory and technical information to train students in all areas of the auto body field.

**Program Outcomes:**
- Develop safe, clean work habits, attitudes, and skills.
- Perform repairs and other auto body functions under conditions similar to those in an auto body shop.
- Instill the importance of work ethic and meeting goals and deadlines.

**Program Outcomes:**
- Communicate appropriately verbally and nonverbally with supervisors, peers, and/or subordinates.
- Acknowledge and apply soft skills in the work environment to enhance professionalism and productivity.
• Demonstrate skills and abilities related to metalwork, painting, front-end alignment, framework, and other related activities.
• Develop and apply knowledge of proper shop techniques and equipment usage.

## Associate of Applied Science

### AAS.4706A (64-66 credits)
For the associate of applied science degree in collision repair and refinish technology, students will complete 64-66 credits, which includes a minimum of 15 general education requirements.

### Notes
• Students may enroll in an internship after maintaining a 2.5 GPA in 12 or more credits of coursework in Collision Repair and Refinish Technology.

## Program Requirements
### AAS General Education Core 15-17 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-1210 (Business Communication) or ENGL-1000 (Workplace Writing) recommended</td>
<td></td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCH-1110 (Public Speaking) or SPCH-1200 (Human Communication) recommended</td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3-4</td>
</tr>
<tr>
<td>BSTC-1500 (Business Math) or MATH-1020 (Technical Mathematics) recommended</td>
<td></td>
</tr>
<tr>
<td>Social or Lab Science</td>
<td>3-4</td>
</tr>
<tr>
<td>INFO-2350 (Intro to Computer Science) recommended</td>
<td></td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010 (Achieving College Success) or BSAD-2420 (Career Development) recommended</td>
<td></td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

### Collision Repair/Refinish Technology Courses (see below)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTB-1000</td>
<td>Collision Repair Tools &amp; Safety</td>
</tr>
<tr>
<td>AUTB-1015</td>
<td>Basic Metal Repair I</td>
</tr>
<tr>
<td>AUTB-1100</td>
<td>Non-Structural Panel Alignment</td>
</tr>
<tr>
<td>AUTB-2010</td>
<td>Advanced Metal Repair</td>
</tr>
<tr>
<td>AUTB-2300</td>
<td>Welded Panel Replacement &amp; Corrosion Protection</td>
</tr>
<tr>
<td>WELD-1070</td>
<td>Basic Welding – Auto Body</td>
</tr>
<tr>
<td>AUTB-1005</td>
<td>Refinish Equipment &amp; Environmental Practices</td>
</tr>
<tr>
<td>AUTB-1200</td>
<td>Plastics &amp; Adhesives</td>
</tr>
<tr>
<td>AUTB-1320</td>
<td>Refinish Preparation</td>
</tr>
<tr>
<td>AUTB-1330</td>
<td>Refinish Materials &amp; Applications</td>
</tr>
<tr>
<td>AUTB-2330</td>
<td>Color Theory &amp; Finish Matching</td>
</tr>
<tr>
<td>AUTB-2340</td>
<td>Advanced Paint Application</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Quantitative Reasoning GE elective</td>
</tr>
</tbody>
</table>

### Total Credits 64-66

### 2nd Semester Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTB-1000</td>
<td>Refinish Equipment &amp; Environmental Practices</td>
</tr>
<tr>
<td>AUTB-1200</td>
<td>Plastics &amp; Adhesives</td>
</tr>
<tr>
<td>AUTB-1320</td>
<td>Refinish Preparation</td>
</tr>
<tr>
<td>AUTB-1330</td>
<td>Refinish Materials &amp; Applications</td>
</tr>
<tr>
<td>AUTB-2330</td>
<td>Color Theory &amp; Finish Matching</td>
</tr>
<tr>
<td>AUTB-2340</td>
<td>Advanced Paint Application</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Quantitative Reasoning GE elective</td>
</tr>
</tbody>
</table>

### Total Credits 18-19

### 3rd Semester Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTB-1220</td>
<td>Electrical &amp; Mechanical Components</td>
</tr>
<tr>
<td>AUTB-2050</td>
<td>Collision Forces Theory &amp; Damage Identification</td>
</tr>
<tr>
<td>AUTB-2350</td>
<td>Structural Analysis &amp; Straightening Equipment</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Social/Lab Science GE electives</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Written Communication GE elective</td>
</tr>
</tbody>
</table>

### Total Credits 15-16

### 4th Semester Credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AUTB-2360</td>
<td>Special Finishes</td>
</tr>
<tr>
<td>AUTB-2420</td>
<td>Structural Repair Process</td>
</tr>
<tr>
<td>AUTB-2450</td>
<td>Structural Component Replacement</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Oral Communication GE electives</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Personal Development GE elective</td>
</tr>
</tbody>
</table>

### Total Credits 15

### Total AAS Credits 64-66

## Certificates

### C2.NS.4706A (16 credits) – Non-Structural Collision Repair

### C2.PR.4706A (16 credits) – Automotive Paint and Refinish

### C2.SC.4706A (16 credits) – Structural Collision Repair

The collision repair and refinishing technology program at WNCC offers three certificates. Each of the certificates is designed as a standalone program, or the credits can be applied to the AAS degree in collision repair and refinishing technology.
Recommended Plans of Study

Non-Structural Collision Repair Certificate

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTB-1000</td>
<td>Collision Repair Tools &amp; Safety</td>
</tr>
<tr>
<td>AUTB-1015</td>
<td>Basic Metal Repair I</td>
</tr>
<tr>
<td>AUTB-1100</td>
<td>Non-Structural Panel Alignment</td>
</tr>
<tr>
<td>AUTB-2010</td>
<td>Advanced Metal Repair</td>
</tr>
<tr>
<td>AUTB-2300</td>
<td>Welded Panel Replacement &amp;</td>
</tr>
<tr>
<td></td>
<td>Corrosion Protection</td>
</tr>
<tr>
<td>WELD-1070</td>
<td>Basic Welding – Auto Body</td>
</tr>
<tr>
<td>**Total</td>
<td>Certificate Credits</td>
</tr>
</tbody>
</table>

Automotive Paint and Refinish Certificate

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTB-1005</td>
<td>Refinish Equipment &amp;</td>
</tr>
<tr>
<td></td>
<td>Environmental Practices</td>
</tr>
<tr>
<td>AUTB-1200</td>
<td>Plastics &amp; Adhesives</td>
</tr>
<tr>
<td>AUTB-1320</td>
<td>Refinish Preparation</td>
</tr>
<tr>
<td>AUTB-1330</td>
<td>Refinish Materials &amp; Applications</td>
</tr>
<tr>
<td>AUTB-2330</td>
<td>Color Theory &amp; Finish Matching</td>
</tr>
<tr>
<td>AUTB-2340</td>
<td>Advanced Paint Application</td>
</tr>
<tr>
<td>**Total</td>
<td>Certificate Credits</td>
</tr>
</tbody>
</table>

Structural Collision Repair Certificate

1st Semester

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTB-1220</td>
</tr>
<tr>
<td>AUTB-2050</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>AUTB-2350</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>**Total</td>
</tr>
</tbody>
</table>

2nd Semester

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTB-2360</td>
</tr>
<tr>
<td>AUTB-2420</td>
</tr>
<tr>
<td>AUTB-2450</td>
</tr>
<tr>
<td>**Total</td>
</tr>
<tr>
<td>**Total</td>
</tr>
</tbody>
</table>

Computer Science

AS.1199A (62-63 credits)

Associate of Science

Alliance • Scottsbluff • Sidney

This program provides students with the background necessary for further study in computer science, typically leading to a baccalaureate degree in computer science, computer engineering, computer information systems, or a related field. This program acquaints students with the principles and practices of algorithmic design, programming, programming languages, and operating systems. These principles prepare students with practical and theoretical knowledge to apply to the remainder of a baccalaureate degree program.

Program Outcomes

- Demonstrate the ability to install, configure, and troubleshoot operating systems and hardware.
- Demonstrate the ability to design, create, and manage a database.
- Demonstrate the ability to design, write, and debug software programs.
- Demonstrate the ability to install, configure, and troubleshoot a network.
- Apply skills and abilities identified as WNCCs five major general education goals.
- Demonstrate basic proficiency in office productivity applications.

Notes

- This program is also available online.
- Students who plan to transfer to a four-year college or university should consult their faculty advisor early in their WNCC career to determine a curriculum that best suits their transfer goals.
- Students who choose not to follow the recommended plan of study listed below, may not be able to complete the program in the number of semesters shown.

Program Requirements

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core requirements. Please consult with an advisor for details.
Core Program Courses 30 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1040</td>
<td>Database (Access) 3</td>
</tr>
<tr>
<td>INFO-1100</td>
<td>Microcomputer Applications 3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>INFO-2000</td>
<td>Advanced Microcomputer Apps 3</td>
</tr>
<tr>
<td>INFO-2350</td>
<td>Introduction to Computer Science 3</td>
</tr>
<tr>
<td>INFO-1241</td>
<td>IT Technical Support 3</td>
</tr>
<tr>
<td>INFO-1355</td>
<td>Computer Science I 3</td>
</tr>
<tr>
<td>INFO-1360</td>
<td>Visual C# 3</td>
</tr>
<tr>
<td>INFO-1400</td>
<td>Networking Essentials 3</td>
</tr>
<tr>
<td>INFO-1510</td>
<td>Introduction to Robotics 3</td>
</tr>
<tr>
<td>INFO-2040</td>
<td>SQL Database Design and Management 3</td>
</tr>
<tr>
<td>INFO-2426</td>
<td>Linux 3</td>
</tr>
</tbody>
</table>

Total AS requirements 62-63 credits

Recommended Plan of Study

1st Semester (fall) Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1100</td>
<td>Microcomputer Applications 3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>INFO-2000</td>
<td>Advanced Microcomputer Apps 3</td>
</tr>
<tr>
<td>INFO-1241</td>
<td>IT Technical Support 3</td>
</tr>
<tr>
<td>INFO-1510</td>
<td>Introduction to Robotics 3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra (or higher) 3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success 3</td>
</tr>
</tbody>
</table>

Total Credits 15

2nd Semester (spring) Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
</tr>
<tr>
<td>INFO-1360</td>
<td>Visual C# 3</td>
</tr>
<tr>
<td>INFO-1400</td>
<td>Networking Essentials 3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry (or higher) 3</td>
</tr>
<tr>
<td>Oral Communication GE elective 3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 15

3rd Semester (fall) Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020</td>
<td>English Composition II 3</td>
</tr>
<tr>
<td>INFO-1040</td>
<td>Database (Access) 3</td>
</tr>
<tr>
<td>INFO-2350</td>
<td>Introduction to Computer Science 3</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>Calculus I 5</td>
</tr>
<tr>
<td>Humanities GE elective 3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 17

4th Semester (spring) Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1355</td>
<td>Computer Science I 3</td>
</tr>
</tbody>
</table>

INFO-2040 SQL Database Design and Management 3
INFO-2426 Linux 3
Lab Science GE elective 4
Social Science GE elective 3

Total Credits 16
Total AS Credits 63

Criminal Justice

Associate of Arts
Associate of Applied Science
Alliance • Scottsbluff • Sidney

The criminal justice emphasis area provides the student with a broad academic and multi-disciplinary background that prepares him or her for professional careers in law enforcement, corrections, private security, court, parole, and probation. The criminal justice emphasis area also provides the student with an interdisciplinary curriculum that prepares him or her for advance studies.

Program Outcomes:
- Correctly define, identify, and explain criminal justice terminology.
- Analyze interaction between the three components of the criminal justice system.
- Develop an increased awareness of victims’ rights and issues.
- Be prepared to contribute to the field of criminal justice.
- Demonstrate effective communication skills with other criminal justice professionals.
- Demonstrate fundamental knowledge and comprehension of criminological theory.
- Be prepared to transfer to a four-year criminal justice program.

Notes:
- The field of criminal justice is experiencing growth that requires well-trained employees in law enforcement and corrections.
- Internships with various organizations are available for advanced students in criminal Justice.
- Individuals considering a degree or employment in the criminal justice profession must be aware of strict qualifications.
- With an advisor’s permission, students may substitute a criminal justice course(s) for social science course(s) beyond the courses required for the AA or AAS degree.
• Students who are already certified law enforcement at the time of their enrollment at WNCC may be awarded the following credits upon certification verification and active enrollment:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM-1010</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2000</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2030</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2260</td>
<td>3</td>
</tr>
</tbody>
</table>

**Associate of Arts**

AA.4301 (60 credits)

A sample course of study is provided below. All students, but particularly those planning to transfer to a four-year college or university, should consult their faculty advisor and transfer advisor as appropriate, early in their WNCC career to determine a curriculum best suited to their educational goals.

**Program Requirements**

**AA General Education Core** 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
</tbody>
</table>

*Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.*

**Core Program Requirements** 29-30 credits

**Total AA Requirements** 60 credits

**Recommended Plan of Study**

**1st Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM-1010</td>
<td>3</td>
</tr>
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<td>CRIM-1020</td>
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<tr>
<td>ENGL-1010</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2170</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>3</td>
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</table>

**2nd Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM-2000</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>3</td>
</tr>
<tr>
<td>POLS-1000</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communications GE elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** 15

**3rd Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM-2030</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2260</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>3</td>
</tr>
<tr>
<td>Issues of Unity &amp; Diversity</td>
<td>3</td>
</tr>
<tr>
<td>Social sciences GE electives or Humanities GE electives</td>
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</tr>
</tbody>
</table>

**Total Credits** 15

**4th Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM-2150</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2180</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science GE elective</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credits** 15

**Total AS Credits** 60-61

**Associate of Applied Science**

AAS.4301A (60 credits)

A sample course of study is provided. Students should work closely with their faculty advisor to develop a personal plan of study best suited to their educational goals.

**Program Requirements**

**AAS General Education Core** 15-17 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3-4</td>
</tr>
<tr>
<td>Social or Lab Science</td>
<td>3-4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult
with their academic advisor about specific general education courses required.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 49 credits
Total AAS Requirements 60 credits

Recommended Plan of Study

1st Semester
CRIM-1010 Introduction to Criminal Justice 3
CRIM-1020 Introduction to Corrections 3
CRIM-1140 Reporting Techniques for Criminal Justice 3
PRDV-1010 Achieving College Success 3
Oral Communication GE elective 3
Total Credits 15

2nd Semester
CRIM-1030 Courts and Judicial Process 3
CRIM-2000 Criminal Law 3
CRIM-2030 Police & Society 3
ENGL-1010 English Composition I 3
Social Science GE elective 3
Total Credits 15

3rd Semester
CRIM-2110 Juvenile Justice 3
CRIM-2180 Criminal Justice Organization and Management 3
Math GE elective 3
Criminal Justice electives 6
Total Credits 15

4th Semester
CRIM-2200 Criminology 3
CRIM-2260 Criminal Investigations 3
Criminal Justice electives 9
Total Credits 15
Total AAS Credits 60

Education (Early Childhood)

Associate of Arts
Associate of Applied Science
Alliance • Scottsbluff • Sidney

The early childhood education program at WNCC is designed for educational majors interested in working with young children from birth through eight years of age. This coursework enhances careers in the early childhood field through a variety of employment opportunities including preschool programs, public school teachers, and paraprofessional in early education, early childhood special education, Head Start programs, family childcare homes and childcare centers, and other positions working with young children.

Program Outcomes
- Students will promote positive child development and learning.
- Students will demonstrate knowledge of how to build family and community relationships.
- Students will demonstrate knowledge in observing, documenting, and assessing to support children and families.
- Students will demonstrate knowledge in teaching and learning.
- Students will demonstrate knowledge of professionalism in the early childhood field.

Associate of Arts
AA.1312C (60-61 credits)
The courses offered through this emphasis area are part of a transfer agreement with several four-year colleges and universities in Nebraska. The transfer agreement with Chadron State College (CSC) specifically supports the smooth transition of coursework leading to a Nebraska Teaching Certificate through two degree options:
- Bachelor of science in elementary education with a supplemental endorsement in early childhood.
- Bachelor of science in elementary education with an early childhood inclusive endorsement.

Notes
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum to best suit their transfer goals.

Program Requirements
AA General Education Core 31-32 credits

Class Credits
Written Communication 6
Oral Communication 3
Humanities 6
Math 3-4
Lab Sciences 4
Personal Development 3
Social Science 6

Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.

Early Childhood Education Program Requirements

Total AA Requirements 60-61 credits

Recommended Plan of Study

1st Semester Credits
ECED-1150 Introduction to Early Childhood Education 3
ECED-1060 Observation, Assessment, & Guidance 3
ENGL-1010 English Composition I 3
PRDV-1010 Achieving College Success 3
Math GE Elective 3-4
Total Credits 15-16

2nd Semester Credits
ECED-1110 Infant Toddler Development 3
ECED-1120 Preschool Child Development 2
ENGL-1020 English Composition II 3
PSYC-1810 Introduction to Psychology 3
ECED Elective (recommend EDEC-1220) 1
ECED Elective (recommend ECED-1050 or EDEC-1160) 3
Total Credits 15

3rd Semester Credits
ECED-1230 School-Age Child Development 2
ECED-2050 Children with Exceptionalities 3
SOCI-2150 Issues of Unity & Diversity 3
Humanities GE elective 3
Oral Communication GE elective 3
ECED Elective (recommend EDEC-1610-1640) 1
Total Credits 15

4th Semester Credits
ECED-2060 Early Childhood Education Curriculum Planning 3
ENGL-2110 Children's Literature 3
Lab Science GE elective 4
ECED Elective (recommend ECED-2070) 3
Total Credits 15

ECED Elective (recommend ECED-1050 or EDEC-1160) 2

Total Credits 15

Total AA Credits 60-61

Associate of Applied Science

AAS.1312 (60-62 credits)

This degree provides students with current information related to evidence-based practices and supports them in their continued development as early childhood professionals.

Notes
- Students should consult with their faculty advisor about elective courses that best suit their career and academic goals.

Technical Standards
- Differentiate lesson plans/activities to fit the needs of children of varying ages and stages of development.
- Create an environment to maintain physical and mental health and safety of all children at varying ages and stages of development.
- Create the environment to maximize learning of all children.
- Implement lesson plans/activities that integrate core curriculum.
- Integrate technology into lesson plans/activities to fit the needs of all children.
- Communicate with all families in a manner that addresses family diversity.
- Include all families in a family-school partnership.
- Maintain an encouraging classroom for all children.
- Observe and document each child regularly to accurately assess strengths and weaknesses and record progress.
- Plan the program to meet the needs of all children and families.
- Incorporate professional development activities into a personal growth plan.

Program Requirements

AAS General Education Core 15-17 credits

Class Credits
Written Communication* 3
Oral Communication 3
Quantitative Reasoning* 3-4
Social or Lab Science 3-4
Personal Development 3
*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Early Childhood Education 45 credits

**Program Requirements**

**Total AAS Credits** 60-62 credits

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED-1050 Expressive Arts</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1060 Observation, Assessment, &amp; Guidance</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1150 Introduction to Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
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<tr>
<td>PRVD-1010 Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
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<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED-1110 Infant/Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1120 Preschool Child Development</td>
<td>2</td>
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<tr>
<td>ECED-1220 Pre-Practicum</td>
<td>1</td>
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<tr>
<td>ENGL-2110 Children’s Literature</td>
<td>3</td>
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<tr>
<td>Lab Science GE Elective</td>
<td>3</td>
</tr>
<tr>
<td>(recommend BIOS-1000) Elective (see advisor)</td>
<td>3</td>
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<td><strong>Total Credits</strong></td>
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<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECED-1160 Early Language &amp; Literacy</td>
<td>3</td>
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<tr>
<td>ECED-1230 School-Age Child Development</td>
<td>2</td>
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<tr>
<td>ECED-1610 Infant Practicum</td>
<td>1</td>
</tr>
<tr>
<td>ECED-1620 Toddler Practicum</td>
<td>1</td>
</tr>
<tr>
<td>ECED-2060 Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>Curriculum Planning Math GE Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Oral Communication GE Elective</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16-17</strong></td>
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<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECED-1010 CDA Preparatory Seminar I</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1630 Preschool Practicum</td>
<td>1</td>
</tr>
<tr>
<td>ECED-1640 School Age Practicum</td>
<td>1</td>
</tr>
<tr>
<td>ECED-2050 Children with Exceptionalities</td>
<td>3</td>
</tr>
<tr>
<td>ECED-2070 Family &amp; Community Relationships</td>
<td>3</td>
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</tbody>
</table>

| Social Science GE elective | 3 |
| **Total Credits**         | **14** |
| **Total AAS Credits**     | **60-61** |

**Education (Elementary)**

**AA.1312A (60 credits)**

Associate of Arts

Alliance • Scottsbluff • Sidney

This emphasis area includes all coursework necessary to complete the general graduation requirements for the associate of arts degree. Emphasis is placed on coursework in the field of elementary education required by baccalaureate degree-issuing institutions. The coursework in elementary education meets the academic description and content necessary to fulfill the program requirements of four-year institutions and the teacher certification requirements of the State of Nebraska.

**Program Outcomes**

- Connect theory with classroom practice.
- Understand and apply practices and behaviors characteristic of developing professional teachers.
- Identify current issues in education and their impact on the classroom.
- Demonstrate respect for diversity in the classroom.
- Integrate successfully into a bachelor’s degree program at a four-year institution.

**Notes**

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum to best suit their transfer goals.
- Students should consult with their faculty advisor regarding the selection of the six (6) humanities and six (6) social sciences credits required of the general education program to best meet their future academic and career goals.

**Program Requirements**

**AA General Education Core** 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
</tbody>
</table>
Personal Development  3  
Social Science  6  

Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.

<table>
<thead>
<tr>
<th>Secondary Education Core</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
<td>Credits</td>
</tr>
<tr>
<td>EDUC-1110</td>
<td>3</td>
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<tr>
<td>Introduction to Professional Education</td>
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<tr>
<td>EDUC-2000</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td></td>
</tr>
<tr>
<td>EDUC-2110</td>
<td>3</td>
</tr>
<tr>
<td>Children’s Literature*                                        (spring only/cross-listed with ENGL-2110)</td>
<td></td>
</tr>
<tr>
<td>EDUC-2300</td>
<td>3</td>
</tr>
<tr>
<td>The Exceptional Learner</td>
<td></td>
</tr>
<tr>
<td>EDUC-2590</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td></td>
</tr>
<tr>
<td>EDUC-2860</td>
<td>3</td>
</tr>
<tr>
<td>Music for Elementary Teachers                                    (fall only)</td>
<td></td>
</tr>
<tr>
<td>EDUC-2890</td>
<td>3</td>
</tr>
<tr>
<td>Math for Elementary Teachers*</td>
<td></td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Psychology*</td>
<td></td>
</tr>
<tr>
<td>PSYC-2100</td>
<td>3</td>
</tr>
<tr>
<td>Child &amp; Adolescent Development</td>
<td></td>
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</tbody>
</table>

*Fulfills general education requirement

<table>
<thead>
<tr>
<th>Electives</th>
<th>8 credits</th>
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</table>

| Total AA Requirements | 60 credits |

<table>
<thead>
<tr>
<th>Recommended Plan of Study</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td></td>
</tr>
<tr>
<td>EDUC-1110</td>
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<td>Introduction to Professional Education</td>
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<td>ENGL-1010</td>
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<tr>
<td>English Composition I</td>
<td></td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>3</td>
</tr>
<tr>
<td>Achieving College Success</td>
<td></td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Psychology*</td>
<td></td>
</tr>
<tr>
<td>Lab Science GE elective</td>
<td>4</td>
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<tr>
<td>Total Credits</td>
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<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDUC-2000</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology</td>
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<tr>
<td>ENGL-1020</td>
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<td>English Composition II</td>
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<tr>
<td>MATH-1180</td>
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<tr>
<td>Math for Elementary Teachers</td>
<td></td>
</tr>
<tr>
<td>PSYC-2100</td>
<td>3</td>
</tr>
<tr>
<td>Child &amp; Adolescent Development</td>
<td></td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td>3</td>
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<tr>
<td>Total Credits</td>
<td>15</td>
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<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>EDUC-2300</td>
<td>3</td>
</tr>
<tr>
<td>The Exceptional Learner</td>
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<tr>
<td>EDUC-2860</td>
<td>3</td>
</tr>
<tr>
<td>Music Education for Elementary Teachers</td>
<td></td>
</tr>
<tr>
<td>EDUC-2890</td>
<td>3</td>
</tr>
<tr>
<td>Art Education for Elementary Teachers</td>
<td></td>
</tr>
</tbody>
</table>

POLS-1000  American Government  3  
or  History elective  
Humanities GE elective  3  

Total Credits  15  

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>EDUC/ENGL-2110</td>
<td>3</td>
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<tr>
<td>Children’s Literature</td>
<td></td>
</tr>
<tr>
<td>EDUC-2590</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
</tr>
<tr>
<td>Total Credits</td>
<td>14</td>
</tr>
</tbody>
</table>

Total AA Credits  60  

Education (Music)  

AA.1313A (65 credits)  
Associate of Arts  
Scottsbluff  

This emphasis area offers the first two years of basic music requirements for the baccalaureate degree in music education. The non-music courses that are suggested meet WNCC’s requirements for the associate of arts degree.  

Program Objectives  

- Demonstrate ability to read music written in traditional notation.  
- Demonstrate and expand various instrument/vocal music techniques, discipline in practicing and rehearsal, and competency in performance skills and ability.  
- Demonstrate knowledge of proper music composition using common-practice-period style.  
- Demonstrate knowledge and appreciation of other cultures including language, arts, and cultural values.  
- Choose topics, convey purpose, and employ research and organizational skills appropriate for specific planned communication events.  
- Analyze readings for social and cultural context.  

Notes  

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum to best suit their transfer goals.  
- Students should consult with their faculty advisor regarding the selection of the six (6) humanities and six (6) social sciences credits required of the general education program to best meet their future academic and career goals.
• MUSC-2455 (Music Theory III) and MUSC-2475 (Music Theory IV) may not be offered every year. Students should check with their faculty advisors.

Program Requirements

**AA General Education Core** 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
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<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
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</tbody>
</table>

*Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.*

**Music Education Core** 34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDUC-1110 Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-2860 Music Education for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-1000 Music Convocation (4 semesters)</td>
<td>0</td>
</tr>
<tr>
<td>MUSC-1010 Music Appreciation (Humanities GE)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-1110 Keyboarding Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-1111 Keyboarding Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-1112 Keyboarding Skills III</td>
<td>1</td>
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<tr>
<td>MUSC-1113 Keyboarding Skills IV</td>
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<tr>
<td>MUSC-1455 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-1475 Music Theory II</td>
<td>3</td>
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<tr>
<td>MUSC-1475L Music Theory Lab I</td>
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<tr>
<td>MUSC-1475L Music Theory Lab II</td>
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<tr>
<td>MUSC-2455 Music Theory III</td>
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<td>MUSC-2455L Music Theory Lab III</td>
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<tr>
<td>MUSC-2475 Music Theory IV</td>
<td>3</td>
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<tr>
<td>MUSC-2475L Music Theory Lab IV</td>
<td>1</td>
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<tr>
<td>Applied Music Lessons (4 semesters)</td>
<td>4</td>
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<tr>
<td>Instrumental or Vocal Ensemble (4 semesters)</td>
<td>4</td>
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</table>

**Total AA Requirements** 65 credits

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**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>1st Semester</th>
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<tbody>
<tr>
<td>EDUC-1110 Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-1000 Music Convocation</td>
<td>0</td>
</tr>
<tr>
<td>MUSC-1010 Music Appreciation</td>
<td>3</td>
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<td>MUSC-1110 Keyboarding Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-1455 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-1455L Music Theory Lab I</td>
<td>1</td>
</tr>
<tr>
<td>Applied Music Lesson</td>
<td>1</td>
</tr>
<tr>
<td>Instrumental or Vocal Ensemble</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
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<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
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<tr>
<td>MUSC-1000 Music Convocation</td>
<td>0</td>
</tr>
<tr>
<td>MUSC-1111 Keyboarding Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUSC-1475 Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-1475L Music Theory Lab I</td>
<td>1</td>
</tr>
<tr>
<td>POLS-1000 American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Applied Music Lesson</td>
<td>1</td>
</tr>
<tr>
<td>Instrumental or Vocal Ensemble</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
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</table>

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-2860 Music Education for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-1000 Music Convocation</td>
<td>0</td>
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<tr>
<td>MUSC-1112 Keyboarding Skills III</td>
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<tr>
<td>MUSC-2455 Music Theory III</td>
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<tr>
<td>MUSC-2455L Music Theory Lab III</td>
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<tr>
<td>PRDV-1010 Achieving College Success</td>
<td>3</td>
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<tr>
<td>SPCH-1110 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Applied Music Lesson</td>
<td>1</td>
</tr>
<tr>
<td>Instrumental or Vocal Ensemble</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
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<table>
<thead>
<tr>
<th>4th Semester</th>
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<tbody>
<tr>
<td>BIOS-1010 General Biology (with lab)</td>
<td>4</td>
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<tr>
<td>MUSC-1000 Music Convocation</td>
<td>0</td>
</tr>
<tr>
<td>MUSC-1113 Keyboarding Skills IV</td>
<td>1</td>
</tr>
<tr>
<td>MATH-1150 College Algebra (or higher)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-2475 Music Theory IV</td>
<td>3</td>
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<tr>
<td>MUSC-2475L Music Theory Lab IV</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
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</tr>
</tbody>
</table>
Education (Secondary)

Associate of Arts
Alliance • Scottsbluff • Sidney

The secondary education emphasis area provides the first two years of training in the field of secondary education and includes all coursework necessary to complete the general requirements of the associate of arts degree. Emphasis is placed on coursework required in the field of education and initial coursework in one’s chosen teaching field. Programs are offered in the following field endorsement areas:

- Art
- Biology
- Business, Marketing, and Information Technology
- Chemistry
- English Language Arts
- Math
- Social Science
- Spanish

Coursework in these content areas in secondary education meets all the academic description and content necessary to fulfill program requirements of four-year institutions and teacher certification requirements of the State of Nebraska.

Program Outcomes

- Connect theory with classroom practice.
- Understand and apply practices and behaviors characteristic of developing professional teachers.
- Identify current issues in education and their impact on the classroom.
- Demonstrate respect for diversity in the classroom.
- Integrate successfully into a bachelor’s degree program at a four-year institution

Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfers advisor early in their WNCC career to determine a curriculum to best suit their transfer goals.
- Students should discuss with their advisor and select an area of teaching emphasis for their elective credits.

### Program Requirements

<table>
<thead>
<tr>
<th>AA General Education Core</th>
<th>31-32 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
</tbody>
</table>

*Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.*

#### Secondary Education Core Courses 18 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-1110</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-2000</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-2300</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-2590</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2100</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC-2150</td>
<td></td>
</tr>
<tr>
<td>Life Span: Human Growth &amp; Dev.</td>
<td></td>
</tr>
</tbody>
</table>

#### Required and/or Elective Endorsement Courses (see below) 12 credits

Total AA Requirements 61-63 credits

### Art Endorsement Area

Associate of Arts (61-62 credits) AA.1312D

In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking an art endorsement are required to take an additional nine (9) required credits and six (6) elective credits.

#### Required Endorsement Courses 9 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1550</td>
<td>Drawing I</td>
</tr>
<tr>
<td>ARTS-1650</td>
<td>Design Fundamentals I</td>
</tr>
<tr>
<td>ARTS-2400</td>
<td>Painting I</td>
</tr>
</tbody>
</table>
### Elective Endorsement Courses 6 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1200</td>
<td>Clay Animation 3</td>
</tr>
<tr>
<td>ARTS-1580</td>
<td>Drawing II 3</td>
</tr>
<tr>
<td>ARTS-1680</td>
<td>Beginning Watercolor Painting 3</td>
</tr>
<tr>
<td>ARTS-2430</td>
<td>Painting II 3</td>
</tr>
<tr>
<td>ARTS-2450</td>
<td>Figure Drawing 3</td>
</tr>
<tr>
<td>ARTS-2460</td>
<td>Sculpture 3</td>
</tr>
<tr>
<td>EDUC-2890</td>
<td>Art Education for Elementary Teachers 3</td>
</tr>
<tr>
<td>PHOT-1900</td>
<td>Black/White Photography I 3</td>
</tr>
<tr>
<td>PHOT-1920</td>
<td>Black/White Photography II 3</td>
</tr>
</tbody>
</table>

**Total AA Credits 61-62 credits**

### Biology Endorsement Area

**Associate of Arts (62-63 credits)**

**AA.1312E**

In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking a biology endorsement are required to take an additional 12 required credits and eight (8) elective credits.

### Required Endorsement Courses 12 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>Zoology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1050</td>
<td>Introduction to Chemistry (with lab) 4 or</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab) 4 and</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab) 4</td>
</tr>
</tbody>
</table>

### Elective Endorsement Courses 8 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2120</td>
<td>Genetics (with lab) 4</td>
</tr>
<tr>
<td>BIOS-2250</td>
<td>Anatomy &amp; Physiology I (with lab) 4 and</td>
</tr>
<tr>
<td>BIOS-2260</td>
<td>Anatomy &amp; Physiology II (with lab) 4</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (with lab) 4</td>
</tr>
<tr>
<td>PHYS-1410</td>
<td>Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation) 5</td>
</tr>
<tr>
<td>PHYS-1420</td>
<td>Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation) 5</td>
</tr>
</tbody>
</table>

**Total AA Requirements 62-63 credits**

### Recommended Plan of Study

#### 1st Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1550</td>
<td>Drawing I 3</td>
</tr>
<tr>
<td>EDUC-1110</td>
<td>Introduction to Professional Education 3</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success 3</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology 3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

#### 2nd Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-2000</td>
<td>Educational Psychology 3</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II 3</td>
</tr>
<tr>
<td>PSYC-2100</td>
<td>Child &amp; Adolescent Development 3 or</td>
</tr>
<tr>
<td></td>
<td>Math GE elective 3-4 (see advisor)</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15-16</td>
</tr>
</tbody>
</table>

#### 3rd Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-2400</td>
<td>Painting I 3</td>
</tr>
<tr>
<td>EDUC-2300</td>
<td>The Exceptional Learner 3</td>
</tr>
<tr>
<td></td>
<td>Art Endorsement Elective 3</td>
</tr>
<tr>
<td></td>
<td>Humanities GE elective 3</td>
</tr>
<tr>
<td></td>
<td>Lab Science GE elective 4</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

#### 4th Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1650</td>
<td>Design Fundamentals I 3</td>
</tr>
<tr>
<td>EDUC-2590</td>
<td>Instructional Technology 3</td>
</tr>
<tr>
<td></td>
<td>Art Endorsement Elective 3</td>
</tr>
</tbody>
</table>

**Total AA Credits 61-62 credits**

### Recommended Plan of Study

#### 1st Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>EDUC-1110</td>
<td>Introduction to Professional Education 3</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success 3</td>
</tr>
</tbody>
</table>
**PSYC-1810**  
Introduction to Psychology  

3

**Total Credits**  

16

**2nd Semester**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-2000</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra or other Math course (see advisor)</td>
<td>3-4</td>
</tr>
<tr>
<td>PSYC-2100</td>
<td>Child &amp; Adolescent Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**  

15-16

**3rd Semester**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-1050</td>
<td>Introduction to Chemistry (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>EDUC-2300</td>
<td>The Exceptional Learner</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Biology Endorsement elective</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Humanities GE elective</td>
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**Total Credits**  

14

**4th Semester**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOS-1380</td>
<td>Zoology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab) or Biology Endorsement elective</td>
<td>4</td>
</tr>
<tr>
<td>EDUC-2590</td>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science GE elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**  

17

**Total AA Credits**  

62-63

---

**Business, Marketing, & Information**

**Technology Endorsement Area**

**Associate of Arts (61-62 credits)**

**AA.1312F**

In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking a business, marketing, and information technology endorsement are required to take an additional 12-15 required credits.

**Elective Endorsement Courses**  

12-15 credits

(Selected from below)

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1200</td>
<td>3</td>
</tr>
<tr>
<td>ACCT-1210</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2520</td>
<td>3</td>
</tr>
<tr>
<td>BSAD-2540</td>
<td>3</td>
</tr>
<tr>
<td>ECON-2110</td>
<td>3</td>
</tr>
<tr>
<td>ECON-2120</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1100</td>
<td>3</td>
</tr>
</tbody>
</table>
| INFO-2000    | 3      | (spring only)
| PSYC-1810    | 3      |

**Total AA Credits**  

61-62

---

**Recommended Plan of Study**

**1st Semester**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1200</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-1110</td>
<td>Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**  

15

**2nd Semester**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT-1210</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-2000</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2100</td>
<td>Child &amp; Adolescent Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**  

15

**3rd Semester**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-2300</td>
<td>The Exceptional Learner</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra or other Math course (see advisor)</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Business Endorsement elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Lab Science GE elective</td>
<td>4</td>
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**Total Credits**  

16-17

**4th Semester**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-2590</td>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Business Endorsement electives (2)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
</tbody>
</table>
|              | Social Science GE elective                        | 3       | (recommend ECON-2110 or ECON-2120)

**Total Credits**  

15

**Total AA Credits**  

61-62
Chemistry Endorsement Area
Associate of Arts (62-63 credits)
AA.1312G
In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking a chemistry endorsement are required to take an additional 20 required credits.

Required Endorsement Courses   20 credits
Class                          Credit
BIOS-1010 General Biology (with lab)  4
CHEM-1090 General Chemistry I (with lab)  4
CHEM-1100 General Chemistry II (with lab)  4
CHEM-2510 Organic Chemistry I (with lab)  4
CHEM-2520 Organic Chemistry II (with lab)  4

Total AA Requirements       62-63 credits

Recommended Plan of Study

1st Semester       Credits
CHEM-1090 General Chemistry I (with lab)  4
EDUC-1110 Introduction to Professional Education  3
ENGL-1010 English Composition I  3
PRDV-1010 Achieving College Success  3
PSYC-1810 Introduction to Psychology  3

Total Credits 16

2nd Semester       Credits
CHEM-1100 General Chemistry II (with lab)  4
EDUC-2000 Educational Psychology  3
ENGL-1020 English Composition II  3
MATH-1150 College Algebra 3-4
or other Math course (see advisor)
Oral Communication GE elective 3

Total Credits 16-17

3rd Semester       Credits
BIOS-1010 General Biology (with lab)  4
CHEM-2510 Organic Chemistry I (with lab)  4
EDUC-2300 The Exceptional Learner 3
Humaities GE elective 3
Social Science GE elective 3

Total Credits 17

4th Semester       Credits
CHEM-2520 Organic Chemistry II (with lab)  4
EDUC-2590 Instructional Technology  3

PSYC-2100 Child & Adolescent Development
or

Humanities GE elective 3
Total Credits 13
Total AA Credits 62-63

English Language Arts Endorsement Area
Associate of Arts (60-62 credits)
AA.1312H
In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking an English language arts endorsement are required to take an additional 12 required credits.

Required Endorsement Courses   12 credits
Class                          Credit
ENGL-2070 American Literature, 1865-present  3
ENGL-2110 Children's Literature
or
ENGL-2900A Nebraska Literature 3
ENGL-2130 Survey of English Literature 3
ENGL-2190 The Novel 3

Total AA Requirements       60-62 credits

Recommended Plan of Study

1st Semester       Credits
EDUC-1110 Introduction to Professional Education  3
ENGL-1010 English Composition I  3
PRDV-1010 Achieving College Success  3
PSYC-1810 Introduction to Psychology 3
Lab Science GE elective 4

Total Credits 16

2nd Semester       Credits
EDUC-2000 Educational Psychology 3
ENGL-1020 English Composition II 3
ENGL-2110 Children’s Literature
or
ENGL-2900A Nebraska Literature 3
PSYC-2100 Child & Adolescent Development
or

Oral Communication GE elective 3
Total Credits 15

3rd Semester       Credits
EDUC-2300 The Exceptional Learner 3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-2070</td>
<td>American Literature, 1865-Present</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-2190</td>
<td>The Novel</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Math GE elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>(see advisor)</td>
<td></td>
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<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>15-16</strong></td>
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</table>

**4th Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>EDUC-2590</td>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-2130</td>
<td>Survey of English Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>Humanities GE Elective</td>
<td>3</td>
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<tr>
<td></td>
<td>Social Science GE Elective</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>14-15</strong></td>
</tr>
<tr>
<td><strong>Total AA Credits</strong></td>
<td></td>
<td><strong>60-62</strong></td>
</tr>
</tbody>
</table>

**Math Endorsement Area**

**Associate of Arts (61-63 credits)**

AA.13121

In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking a math endorsement are required to take an additional 18 required credits.

**Required Endorsement Courses 18 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-1600</td>
<td>Analytic Geometry &amp; Calculus 5</td>
</tr>
<tr>
<td>MATH-2150</td>
<td>Calculus II 5</td>
</tr>
<tr>
<td>MATH-2200</td>
<td>Calculus III 5</td>
</tr>
<tr>
<td>MATH-2210</td>
<td>Applied Differential Equations 3</td>
</tr>
<tr>
<td><strong>Total AA Requirements</strong></td>
<td>61-63 credits</td>
</tr>
</tbody>
</table>

**Recommended Plan of Study**

**1st Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-1110</td>
<td>Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>Analytic Geometry &amp; Calculus or other Math course (see advisor)</td>
<td>4-5</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16-17</strong></td>
</tr>
</tbody>
</table>

**2nd Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-2000</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2150</td>
<td>Calculus II or other Math course (see advisor)</td>
<td>4-5</td>
</tr>
<tr>
<td>PSYC-2100</td>
<td>Child &amp; Adolescent Development or other Math course (see advisor)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2150</td>
<td>Life Span: Human Growth &amp; Dev. or other Math course (see advisor)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16-17</strong></td>
</tr>
</tbody>
</table>

**Social Science Endorsement Area**

**Associate of Arts (61-62 credits)**

AA.1312J

In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking a social science endorsement are required to take an additional 15 required credits.

**Required Endorsement Courses 15 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>HIST-2010</td>
<td>American History I 3</td>
</tr>
<tr>
<td>HIST-2020</td>
<td>American History II 3</td>
</tr>
<tr>
<td>HIST-2100</td>
<td>World Civilization (4000BC-1500AD) 3</td>
</tr>
<tr>
<td>HIST-2110</td>
<td>World Civilization (1500AD-Present) 3</td>
</tr>
<tr>
<td>POLS-1000</td>
<td>American Government 3</td>
</tr>
<tr>
<td><strong>Total AA Requirements</strong></td>
<td>61-62 credits</td>
</tr>
</tbody>
</table>

**Recommended Plan of Study**

**1st Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-1110</td>
<td>Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2010</td>
<td>American History I</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>16-17</strong></td>
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**2nd Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDUC-2000</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2150</td>
<td>Calculus II or other Math course (see advisor)</td>
<td>4-5</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16-17</strong></td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
<td>Credits</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Total Credits</td>
<td>3</td>
</tr>
<tr>
<td>2nd Semester</td>
<td>Educational Psychology</td>
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<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
<td>3</td>
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<tr>
<td>HIST-2020</td>
<td>American History II</td>
<td>3</td>
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<tr>
<td>MATH-1150</td>
<td>College Algebra or other Math course (see advisor)</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Oral Communication GE elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>15-16</td>
</tr>
<tr>
<td>3rd Semester</td>
<td>The Exceptional Learner</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2100</td>
<td>World Civilization (4000BC-1500AD)</td>
<td>3</td>
</tr>
<tr>
<td>POLS-1000</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities GE elective</td>
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<tr>
<td></td>
<td>Lab Science GE elective</td>
<td>4</td>
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<td>Total Credits</td>
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<tr>
<td>4th Semester</td>
<td>Instructional Technology</td>
<td>3</td>
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<tr>
<td>HIST-2110</td>
<td>World Civilization (1500AD-Present)</td>
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<tr>
<td>PSYC-2100</td>
<td>Child &amp; Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Life Span: Human Growth &amp; Dev.</td>
<td>3</td>
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<tr>
<td></td>
<td>Electives (2)</td>
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</tr>
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<td></td>
<td>Total AA Credits</td>
<td>61-62</td>
</tr>
</tbody>
</table>

**Spanish Endorsement Area**

**Associate of Arts (62-63 credits)**

**AA.1312K**

In addition to the required 31-32 general education credits and 18 secondary education core credits, students seeking a Spanish endorsement are required to take an additional ten (10) required credits and nine (9) elective credits.

**Required Endorsement Courses** 10 credits

- SPAN-1010  Elementary Spanish I  5
- SPAN-1020  Elementary Spanish II  5

**Elective Endorsement Courses** 9 credits

- ANTH-2130  Mexican-American & Native American Cultures  3
- Electives  6

**Total AA Requirements** 62-63 credits

### Recommended Plan of Study

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>EDUC-1110  Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENGL-1010  English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PRDV-1010  Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSYC-1810  Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN-1010  Elementary Spanish I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>17</td>
</tr>
<tr>
<td>2nd</td>
<td>EDUC-2000  Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENGL-1020  English Composition II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH-1150  College Algebra or other Math course (see advisor)</td>
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<tr>
<td></td>
<td>PSYC-2100  Child &amp; Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSYC-2150  Life Span: Human Growth &amp; Dev.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPAN-1020  Elementary Spanish II</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>17-18</td>
</tr>
<tr>
<td>3rd</td>
<td>EDUC-2300  The Exceptional Learner</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Spanish endorsement elective</td>
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<tr>
<td></td>
<td>Humanities GE elective</td>
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<tr>
<td></td>
<td>Lab Science GE elective</td>
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<tr>
<td></td>
<td>Oral Communication GE elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>16</td>
</tr>
<tr>
<td>4th</td>
<td>ANTH-2130  Mexican-American &amp; Native American Cultures</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDUC-2590  Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science GE elective</td>
<td>3</td>
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<td>Total Credits</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Total AA Credits</td>
<td>62-63</td>
</tr>
</tbody>
</table>

**Emergency Medical Services**

**Associate of Applied Science Certificate (Paramedic)**

**Scottsbluff**

Courses in emergency medical services (EMS) prepare students with the skills necessary for a career as an emergency medical responder (EMR), emergency medical technician (EMT), or paramedic (PM).
Emergency medical services coursework provides graduates with progressive levels of knowledge and skills to deliver care for medical and trauma emergencies prior to arrival at a hospital.

**Technical Standards**
Upon successful completion of a course in emergency medical services, students will be able to:

**Critical Thinking**
- Apply knowledge and experience in the determination of appropriate emergency patient care.
- Evaluate and monitor patient’s objective and subjective responses to emergency care.
- Interpret, prioritize, problem solve, and demonstrate critical thinking in emergency protocols.

**Direct care**
- Apply knowledge and experience in the assessment of patients and emergency scene to provide appropriate and safe patient care.
- Utilize equipment according to squad protocols.
- Perform direct patient care based on evaluation of specific emergency situation utilizing established squad protocols.
- Perform CPR and other life support functions.
- Transport and transfer patients/clients.

**Collection of Patient Information**
- Apply knowledge and experience in the assessment of patients in order to perform emergency care.
- Maintain accurate medical records.

**Communication**
- Effectively communicate in English both verbally and in written form with patients, patient families, and other health care professionals.

**Professional Attitude and Behavior**
- Demonstrate a commitment to an environment of mutual respect, trust, integrity, and reliability in interactions with patients, their families and other healthcare professionals.

**Safety**
- Apply knowledge and experience in the assessment of safety in patient care treatment and environment.
- Demonstrate proficiency in and strict adherence to squad protocols for the provision of care.
- Perform Quality Control Procedures.
- Ensure infection control.

**Program Outcomes**
- Execute the role of the entry-level Emergency Medical Services provider in a manner consistent with ethical principles and legal requirements (affective domain).
- Communicate effectively with patients, family members, and other members of the health care system (affective domain).
- Integrate current evidence-based protocols into Emergency Medical Services practices (cognitive and psychomotor domain).
- Properly manage medical and traumatic emergencies in clinical and field settings (cognitive and psychomotor domain).
- Provide competent leadership in complex emergency settings, including ground and air ambulance operations, multiple casualty incidents, hazardous materials, crime scenes, terrorist attacks, and rural settings (cognitive, psychomotor, and affective domains).

**Prerequisites**
- Current National Registry or Nebraska EMS, EMT, Advanced Emergency Medical Technician (AEMT), or Intermediate licensure in good standing.
- Current cardiopulmonary resuscitation (CPR) card from state board approved agency maintained throughout the entire program.
- Copy of current immunization records.
- Current National Registry or Nebraska EMS, EMT, Advanced Emergency Medical Technician (AEMT), or Intermediate licensure in good standing.
- Proof of recent physical examination completed by a physician, physician’s assistant, or nurse practitioner.
- All student provisionally accepted to the program are required to undergo a criminal background check as part of the admissions process.
- Full admission to the program is contingent upon completion of the background check, immunization, and physical examination requirements.

**Associate of Applied Science**
**AAS.5109B (66-67 credits)**
The associate of applied science degree in emergency medical services couples the 42 credits required for the Paramedic certificate (see below) with the 16-17 hours of general education requirements of the AAS. Two academic pathways are offered—one for the student who is currently registered/licensed as an EMG/AEMT/Intermediate and one for the student who needs to secure this licensure.
Upon successful completion of the program, the student will be eligible to take the National Registry of Emergency Medical Technicians Paramedic written and psychomotor skills examination.

**Program Requirements**

<table>
<thead>
<tr>
<th>AAS General Education Core</th>
<th>16-17 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3-4</td>
</tr>
<tr>
<td>Social or Lab Science (lab science required)</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.*

**EMT Prerequisite** | 8 credits |
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>EMSP-1500</td>
<td>Emergency Medical Technician</td>
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</tbody>
</table>

**Paramedic Core Courses** | 42 credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>EMSP-2000</td>
<td>Introduction to Paramedicine</td>
</tr>
<tr>
<td>EMSP-2050</td>
<td>Pathophysiology, Pharmacology, Airway Management</td>
</tr>
<tr>
<td>EMSP-2100</td>
<td>Patient Assessments</td>
</tr>
<tr>
<td>EMSP-2150</td>
<td>Pulmonology &amp; Cardiology</td>
</tr>
<tr>
<td>EMSP-2200</td>
<td>Medical Emergencies</td>
</tr>
<tr>
<td>EMSP-2250</td>
<td>Trauma Emergencies</td>
</tr>
<tr>
<td>EMSP-2300</td>
<td>Trauma &amp; Special Considerations</td>
</tr>
<tr>
<td>EMSP-2350</td>
<td>EMS Operations</td>
</tr>
<tr>
<td>EMSP-2400</td>
<td>Paramedic Practicum I</td>
</tr>
<tr>
<td>EMSP-2500</td>
<td>Paramedic Practicum II</td>
</tr>
<tr>
<td>EMSP-2600</td>
<td>Paramedic Practicum III</td>
</tr>
</tbody>
</table>

**Total AAS Requirements** | 66-67 credits |

**Recommended Plans of Study**

**Option 1: If not currently registered/licensed as an EMT/AEMT/Intermediate**

1st Semester (fall) | Credits |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>BIOS-1160</td>
<td>Intro to Human Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>or LPNR-1110</td>
<td>Body Structure &amp; Function</td>
</tr>
</tbody>
</table>

2nd Semester (fall) | Credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EMSP-2000</td>
<td>Introduction to Paramedicine</td>
</tr>
</tbody>
</table>

**Option 2: If currently registered/licensed as an EMT/AEMT/Intermediate**

1st Semester (spring) | Credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1160</td>
<td>Intro to Human Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>or LPNR-1110</td>
<td>Body Structure &amp; Function</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
</tr>
<tr>
<td>Math GE elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
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</tr>
<tr>
<td>Written Communication GE elective</td>
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</tbody>
</table>

**Total Credits** | 16-17 |

4th Semester (spring) | Credits |
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<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>EMSP-2150</td>
<td>Pulmonology &amp; Cardiology</td>
</tr>
<tr>
<td>EMSP-2200</td>
<td>Medical Emergencies</td>
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<tr>
<td>EMSP-2250</td>
<td>Trauma Emergencies</td>
</tr>
<tr>
<td>EMSP-2500</td>
<td>Paramedic Practicum II</td>
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</tbody>
</table>

**Total Credits** | 15 |

5th Semester (summer) | Credits |
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<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>EMSP-2300</td>
<td>Trauma &amp; Special Considerations</td>
</tr>
<tr>
<td>EMSP-2350</td>
<td>EMS Operations</td>
</tr>
<tr>
<td>EMSP-2600</td>
<td>Paramedic Practicum III</td>
</tr>
</tbody>
</table>

**Total Credits** | 11 |

**Total AAS Credits** | 66-67 |

**Recommended Plans of Study**

**Option 2: If currently registered/licensed as an EMT/AEMT/Intermediate**

1st Semester (spring) | Credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>BIOS-1160</td>
<td>Intro to Human Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>or LPNR-1110</td>
<td>Body Structure &amp; Function</td>
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<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
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<tr>
<td>Oral Communication GE elective</td>
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<tr>
<td>Written Communication GE elective</td>
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</tbody>
</table>

**Total Credits** | 16-17 |

2nd Semester (fall) | Credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EMSP-2000</td>
<td>Introduction to Paramedicine</td>
</tr>
</tbody>
</table>
EMSP-2050  Pathophysiology, Pharmacology, Airway Management  4  
EMSP-2100  Patient Assessments  3  
EMSP-2400  Paramedic Practicum I  5  
Total Credits  15  

3rd Semester (spring)  Credits  
EMSP-2150  Pulmonology & Cardiology  4  
EMSP-2200  Medical Emergencies  4  
EMSP-2250  Trauma Emergencies  3  
EMSP-2500  Paramedic Practicum II  5  
Total Credits  16  

4th Semester (summer)  Credits  
EMSP-2300  Trauma & Special Considerations  3  
EMSP-2350  EMS Operations  3  
EMSP-2600  Paramedic Practicum III  5  
Total Credits  11  
Total Earned Credits  58-59  
Credit for Prior Learning (EMSP-1500)  8  
or  
Elective  2-3  
Total AAS Credits  60-67  

Recommended Plan of Study  
1st Semester (fall)  Credits  
EMSP-2000  Introduction to Paramedicine  3  
EMSP-2050  Pathophysiology, Pharmacology, Airway Management  4  
EMSP-2100  Patient Assessments  3  
EMSP-2500  Paramedic Practicum I  5  
Total Credits  15  

2nd Semester (spring)  Credits  
EMSP-2150  Pulmonology & Cardiology  4  
EMSP-2200  Medical Emergencies  4  
EMSP-2250  Trauma Emergencies  3  
EMSP-2500  Paramedic Practicum II  5  
Total Credits  16  

3rd Semester (summer)  Credits  
EMSP-2300  Trauma & Special Considerations  3  
EMSP-2350  EMS Operations  3  
EMSP-2600  Paramedic Practicum III  5  
Total Credits  11  
Total Certificate Credits  42  

Certificate (Paramedic)  
C2.5109B (42 credits)  
The Paramedic certificate is a combination of classroom, laboratory, and learning experiences offered through hospital and on-ambulance clinicals. The certificate is designed to be completed in 12 months. Upon successful completion of the prescribed courses, the student will be eligible to take the National Registry of Emergency Medical Technician Paramedic written and psychomotor skills examination. 
The WNCC Paramedic program has been issued a Letter of Review by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This is not a CAAHEP accreditation status; it is a status signifying that a program seeking initial accreditation has demonstrated sufficient compliance with the accreditation standards. The Letter of Review is recognized by the National Registry of Emergency Medical Technicians (NREMT) for eligibility to take NREMT’s paramedic credentialing examinations. However it is not a guarantee of eventual accreditation. 
The CoAEMSP Executive Office can be contacted at 8301 Lakeview Parkway, Suite 111-312, Rowlett, TX 75088 or by calling 214-703-8445 or at www.coaemsp.org.  

Exercise Science  
Associate of Science  
Scottsbluff  
The associate of science degree in exercise science offers students two options: physical education and health and fitness studies. Students who choose the physical education option will earn credits to transfer to a four-year school to become a physical education teacher. Students who choose the health and fitness studies option may complete coursework and seek employment or transfer to another institution for further study. This program is for students who are interested in the health fitness industry.  

Program Outcomes  
- Summarize major factors in the evolution of the field of exercise science from its inception to its present position in exercise-related careers, based on historical and technological changes.  
- Develop physical fitness/health assessment and maintenance programs.  
- Demonstrate comprehension of the sciences applied to human function and exercise.  
- Demonstrate leadership and interpersonal communication skills relevant to the improvement of human performance.
• Prepare students for transfer to a four-year institution in the fields of exercise science and physical education.

Notes

• Substitutions must have the permission of the faculty advisor, the chair of the Social Science and Human Performance Division, the Dean of Instruction, and the Registrar. Please see the division chair for the appropriate form for substitution.

• Students who plan to transfer to a four-year college or university should consult their faculty advisor and transfer advisor early in their WNCC career to determine an appropriate curriculum.

Physical Education Option

AS.1313E (60 credits)

Program Requirements

AS General Education Core 33-34 credits

Class 
Written Communication 6
Oral Communication 3
Humanities 3
  * HUMS-1100 (Intro to Humanities) recommended
  * Math 3-4
    * MATH-1150 (College Algebra) or higher recommended
  * Lab Sciences 4
    * BIOS-2250 (Human Anatomy & Physiology I) and BIOS-2260 (Human Anatomy & Physiology II), and labs, recommended

Personal Development 3
Social Science 3

  * PSYC-1810 (General Psychology) recommended

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by other core courses. Please consult with an advisor for details.

Core Program Requirements 30 credits

Class 
BIOS-1000 Basic Nutrition 3
BIOS-1010 General Biology (with lab) 4
EDUC-1100 Introduction to Professional Education 3
EDUC-2000 Educational Psychology 3
EDUC-2300 Exceptional Learner 3
EDUC-2590 Instructional Technology 3
PHED-1551 Weight Training 1
PHED-1710 Introduction to Physical Education 3
PSYC-2100 Child & Adolescent Development or
  * PSYC-2150 Life Span: Human Growth & Dev.
  * PE Activity Elective (see list below) 1
  * General Elective (see list below) 3

PE Activity Elective Options:

Class Credits
PHED-1024 Yoga-Flex 1
PHED-1026 Yoga-Pilates 1
PHED-1035 Cardio Fitness 1

General Elective Options:

Class Credits
PHED-1730 Introduction to Coaching 3
PHED-2010 Prevention & Care of Athletic Injuries 3

Total AS Requirements 60 credits

Recommended Plan of Study

1st Semester Credits
EDUC-1100 Intro to Professional Education 3
ENGL-1010 English Composition I 3
PHED-1710 Introduction to Physical Education 3
PRDV-1010 Achieving College Success 3
PSYC-1810 Introduction to Psychology 3

Total Credits 15

2nd Semester Credits
BIOS-1010 General Biology (with lab) 4
EDUC-2000 Educational Psychology 3
ENGL-1020 English Composition II 3
MATH-1150 College Algebra (or higher) 3
PHED-1551 Weight Training 1

Total Credits 14

3rd Semester Credits
BIOS-1000 Basic Nutrition 3
BIOS-2250 Human Anatomy and Physiology I (with lab) 4
EDUC-2300 Exceptional Learner 3
  * Oral Communication GE require 3
  * General Elective Option 2-3

Total Credits 15-16
4th Semester  
BIOS-2260 Human Anatomy and Physiology II  4  
   (with lab)  
EDUC-2590 Instructional Technology  3  
HUMS-1100 introduction to the Humanities  3  
PSYC-2100 Child & Adolescent Development  3  
or PSYC-2150 Life Span: Human Growth & Dev.  
PE Activity Elective  1  
Total Credits  14  
Total AS Credits  60

Health & Fitness Studies Option
AS.1313F (61 credits)

Program Requirements

AS General Education Core  33-34 credits

Class  
Written Communication  6  
Oral Communication  3  
Math*  3-4  
   MATH-1150 (College Algebra) or higher recommended  
Lab Sciences*  4  
   BIOS-2250 (Human Anatomy & Physiology I) and 
   BIOS-2260 (Human Anatomy & Physiology II), and 
   labs, recommended  
Humansities  3  
   HUMS-1100 (Intro to Humanities) recommended  
Social Science  3  
   PSYC-1810 (General Psychology) recommended  
Personal Development  3  
* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.
Note: Some general education requirements may be satisfied by other core courses. Please consult with an advisor for details.

Core Program Requirements  31 credits

Class  
BIOS-1000 Basic Nutrition  3  
PHED-1200 Psychology of Sports  3  
PHED-1551 Weight Training  1  
PHED-1600 Group Exercise  3  
PHED-1700 First Aid  2  
PHED-1710 Introduction to Physical Education  3  
PHED-1790 Personal Health  3  
PHED-1800 Designing a Personal Fitness Program  3  
PHED-2010 Prevention & Care of Athletic Injuries  3  
PHYS-1225 Science of Sports (with lab)  4  
PSYC-2100 Child & Adolescent Development  3  
or PSYC-2150 Life Span: Human Growth & Dev.  
Total Credits  61

Recommended Plan of Study

1st Semester  
BIOS-1000 Basic Nutrition  3  
ENGL-1010 English Composition I  3  
PHED-1710 Introduction to Physical Education  3  
PHED-1790 Personal Health  3  
PRDV-1010 Achieving College Success  3  
Total Credits  15

2nd Semester  
ENGL-1020 English Composition II  3  
HUMS-1100 Introduction to the Humanities  3  
MATH-1150 College Algebra (or higher)  3  
PHED-1551 Weight Training  1  
PHED-1600 Group Exercise  3  
PHED-2010 Prevention & Care of Athletic Injuries  3  
Total Credits  17

3rd Semester  
BIOS-2250 Human Anatomy and Physiology I  4  
   (with lab)  
PHED-1700 First Aid  2  
PHED-1800 Designing a Personal Fitness Program  3  
PSYC-1810 General Psychology  3  
Oral Communication GE requirement  3  
Total Credits  15

4th Semester  
BIOS-2260 Human Anatomy and Physiology II  4  
   (with lab)  
PHED-1200 Psychology of Sports  3  
PHYS-1225 Science of Sports (with lab)  4  
PSYC-2100 Child & Adolescent Development  3  
or PSYC-2150 Life Span: Human Growth & Dev.  
Total Credits  14
Total AS Credits  61
Fine Arts

Associate of Fine Arts
Scottsbluff
An associate of fine arts (AFA) degree prepares students for careers and/or advanced study a four-year college or university. The degree consists of a core of general education courses with remaining courses focusing on specific fine arts curricula. Areas of focus within the AFA degrees include the following six options:

- Interdisciplinary
- Music
- Music Performance
- Musical Theatre
- Theatre
- Visual Arts

The degree requires 31-32 hours of general education courses and a minimum of 28-29 hours in a fine arts field of choice (art, music, or theatre). An interdisciplinary option is available with a core set of courses form art, theatre, and music totaling 21 hours and eight (8) elective hours.

Program Outcomes
New program objectives are currently in development. Please see the chair of the Language and Fine Arts Division for more information.

Notes
- Students who plan to transfer to a four-year college or university should consult their faculty and transfers advisor early in their WNCC career to determine a curriculum to best suit their transfer goals.

Program Requirements

AFA General Education Core 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
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</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td></td>
</tr>
</tbody>
</table>

Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.

Required AFA Core Courses or Electives (by discipline) 28-29 credits

Total AFA Credits 60 credits

Interdisciplinary AFA Option

Associate of Fine Arts (60 credits)
AFA 2401
In addition to the required 31-32 general education credits, students seeking the interdisciplinary option are required to take an additional 21 required and eight (8) elective hours from the fine arts areas (art, music, or theatre).

Required Core Courses 21 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>ARTS-1010</td>
<td>Introduction to Visual Arts</td>
</tr>
<tr>
<td>ARTS-1650</td>
<td>Design Fundamentals</td>
</tr>
<tr>
<td>MUSC-1010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>MUSC-1455</td>
<td>Music Theory I</td>
</tr>
<tr>
<td>MUSC-1455L</td>
<td>Music Theory I Lab</td>
</tr>
<tr>
<td>THEA-1860</td>
<td>Technical Production I</td>
</tr>
<tr>
<td>THEA-2660</td>
<td>Acting I</td>
</tr>
<tr>
<td>Band or Choir Ensemble (2 semesters)</td>
<td>2</td>
</tr>
</tbody>
</table>

Elective Courses from Art, Music, or Theatre 8 credits

Total AFA Requirements 60 credits

Recommended Plan of Study

1st Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1010</td>
<td>Introduction to Visual Arts</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
</tr>
<tr>
<td>MUSC-1455</td>
<td>Music Theory I</td>
</tr>
<tr>
<td>MUSC-1455L</td>
<td>Music Theory Lab I</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
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<tr>
<td>THEA-1010</td>
<td>Introduction to Theatre</td>
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<tr>
<td>Total Credits</td>
<td>16</td>
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</table>

2nd Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>ARTS-1050</td>
<td>Intro to Art History &amp; Criticism I</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
</tr>
<tr>
<td>MATH-1170</td>
<td>Math Applications</td>
</tr>
<tr>
<td>Fine Arts Electives</td>
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<tr>
<td>Total Credits</td>
<td>14</td>
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3rd Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ARTS-1650</td>
<td>Design Fundamentals I</td>
</tr>
<tr>
<td>MUSC-1010</td>
<td>Music Appreciation</td>
</tr>
</tbody>
</table>
Music AFA Option

Associate of Fine Arts (60 credits)
AFA.5009A

In addition to the required 31-32 general education credits, students seeking the music option are required to take a minimum of an additional 29 required credits.

Required Core Courses (minimum) 29 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC-1000</td>
<td>Convocation</td>
</tr>
<tr>
<td>MUSC-1110</td>
<td>Keyboarding Skills I*</td>
</tr>
<tr>
<td>MUSC-1111</td>
<td>Keyboarding Skills II*</td>
</tr>
<tr>
<td>MUSC-1112</td>
<td>Keyboarding Skills III*</td>
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<tr>
<td>MUSC-1113</td>
<td>Keyboarding Skills IV*</td>
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<tr>
<td>MUSC-1115</td>
<td>Piano Proficiency</td>
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<td>MUSC-1455</td>
<td>Music Theory I</td>
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<tr>
<td>MUSC-1455L</td>
<td>Music Theory I Lab I</td>
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<tr>
<td>MUSC-1475</td>
<td>Music Theory II</td>
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<tr>
<td>MUSC-1475L</td>
<td>Music Theory II Lab</td>
</tr>
<tr>
<td>MUSC-2455</td>
<td>Music Theory III</td>
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<tr>
<td>MUSC-2455L</td>
<td>Music Theory III Lab</td>
</tr>
<tr>
<td>MUSC-2475</td>
<td>Music Theory IV</td>
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<tr>
<td>MUSC-2475L</td>
<td>Music Theory IV Lab</td>
</tr>
<tr>
<td>MUSC-2475L</td>
<td>Applied Music</td>
</tr>
<tr>
<td></td>
<td>(taken all four semesters)</td>
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<tr>
<td></td>
<td>Band or Choir Ensemble**</td>
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<tr>
<td></td>
<td>(taken all four semesters)</td>
</tr>
<tr>
<td></td>
<td>Music Elective</td>
</tr>
</tbody>
</table>

*Alternate instrument may be substituted upon successful completion of Piano Proficiency.

**Ensemble placement is based on instrument studies in Applied Music.
Applied Music IV 1
Band or Choir Ensemble 1
**Total Credits** 16
**Total AFA Credits** 60

**Music Performance AFA Option**

**Associate of Fine Arts (63 credits)**

AFA.5009B

In addition to the required 31-32 general education credits, students seeking the music performance option are required to take a minimum of an additional 32 required credits.

**Required Core Courses (minimum) 32 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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<tbody>
<tr>
<td>MUSC-1000</td>
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<tr>
<td>MUSC-1110</td>
<td>Keyboarding Skills I* 1</td>
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<tr>
<td>MUSC-1111</td>
<td>Keyboarding Skills II* 1</td>
</tr>
<tr>
<td>MUSC-1112</td>
<td>Keyboarding Skills III* 1</td>
</tr>
<tr>
<td>MUSC-1113</td>
<td>Keyboarding Skills IV* 1</td>
</tr>
<tr>
<td>MUSC-1115</td>
<td>Piano Proficiency 0</td>
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<tr>
<td>MUSC-1455</td>
<td>Music Theory I 3</td>
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<tr>
<td>MUSC-1455L</td>
<td>Music Theory I Lab I 1</td>
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<tr>
<td>MUSC-1475</td>
<td>Music Theory II 3</td>
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<tr>
<td>MUSC-1475L</td>
<td>Music Theory Lab II 1</td>
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<tr>
<td>MUSC-2455</td>
<td>Music Theory III 3</td>
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<tr>
<td>MUSC-2455L</td>
<td>Music Theory Lab III 1</td>
</tr>
<tr>
<td>MUSC-2475</td>
<td>Music Theory IV 3</td>
</tr>
<tr>
<td>MUSC-2475L</td>
<td>Music Theory Lab IV 1</td>
</tr>
<tr>
<td></td>
<td>Applied Music Performance (taken all four semesters) 8</td>
</tr>
<tr>
<td></td>
<td>Band or Choir Ensemble** (taken all four semesters) 4</td>
</tr>
</tbody>
</table>

*Alternate instrument may be substituted upon successful completion of Piano Proficiency.

**2nd Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
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<tr>
<td>MATH-1170</td>
<td>Math Applications 3</td>
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<td>Convocation 0</td>
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<tr>
<td>MUSC-1111</td>
<td>Keyboard Skills II 1</td>
</tr>
<tr>
<td>MUSC-1475</td>
<td>Music Theory I 3</td>
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<tr>
<td>MUSC-1475L</td>
<td>Music Theory Lab I 1</td>
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<tr>
<td></td>
<td>Applied Music Performance II 2</td>
</tr>
<tr>
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<td>Band or Choir Ensemble 1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
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**3rd Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
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<tr>
<td>HIST-2110</td>
<td>World Civilization (4000BC-1500AC) 3</td>
</tr>
<tr>
<td>MUSC-1000</td>
<td>Convocation 0</td>
</tr>
<tr>
<td>MUSC-1113</td>
<td>Keyboard Skills III 1</td>
</tr>
<tr>
<td>MUSC-2455</td>
<td>Music Theory I 3</td>
</tr>
<tr>
<td>MUSC-2455L</td>
<td>Music Theory Lab I 1</td>
</tr>
<tr>
<td></td>
<td>Applied Music Performance III 2</td>
</tr>
<tr>
<td></td>
<td>Band or Choir Ensemble 1</td>
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<td></td>
<td>Music Elective 1</td>
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<tr>
<td><strong>Total Credits</strong></td>
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**4th Semester**

<table>
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<tbody>
<tr>
<td>ENGL-1020</td>
<td>English Composition II 3</td>
</tr>
<tr>
<td>MUSC-1000</td>
<td>Convocation 0</td>
</tr>
<tr>
<td>MUSC-1114</td>
<td>Keyboard Skills IV 1</td>
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<tr>
<td>MUSC-1115</td>
<td>Piano Proficiency 0</td>
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<tr>
<td>MUSC-2475</td>
<td>Music Theory I 3</td>
</tr>
<tr>
<td>MUSC-2475L</td>
<td>Music Theory Lab I 1</td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>Issues of Unity &amp; Diversity 3</td>
</tr>
<tr>
<td>SPCH-1110</td>
<td>Public Speaking 3</td>
</tr>
<tr>
<td></td>
<td>Applied Music Performance IV 2</td>
</tr>
<tr>
<td></td>
<td>Band or Choir Ensemble 1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>17</td>
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</tbody>
</table>

**Total AFA Credits** 63

**Musical Theatre Performance AFA Option**

**Associate of Fine Arts (61 credits)**

AFA.5009C

In addition to the required 31-32 general education credits, students seeking the musical theatre performance
option are required to take a minimum of an additional 30
required credits.

### Required Core Courses (minimum)  30 credits

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MUSC-1000</td>
<td>Convocation</td>
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<tr>
<td>MUSC-1140</td>
<td>Applied Music: Voice I</td>
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<tr>
<td>MUSC-1150</td>
<td>Applied Music: Voice II</td>
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<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
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<tr>
<td>MUSC-1410</td>
<td>Music Fundamentals</td>
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<tr>
<td>MUSC-2140</td>
<td>Applied Music: Voice III</td>
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<td>MUSC-2150</td>
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<tr>
<td>THEA-1300</td>
<td>Voice and Articulation</td>
</tr>
<tr>
<td>THEA-1400</td>
<td>Ballet I</td>
</tr>
<tr>
<td>THEA-1410</td>
<td>Jazz I</td>
</tr>
<tr>
<td>THEA-1420</td>
<td>Tap I</td>
</tr>
<tr>
<td>THEA-1430</td>
<td>Tap II</td>
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<tr>
<td>THEA-1860</td>
<td>Technical Production I</td>
</tr>
<tr>
<td>THEA-2010</td>
<td>Survey of Theatrical Design</td>
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<tr>
<td>THEA-2660</td>
<td>Acting I</td>
</tr>
<tr>
<td>THEA-2750</td>
<td>Acting II</td>
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</tbody>
</table>

### Total AFA Requirements  61 credits

### Recommended Plan of Study

#### 1st Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC-1000</td>
<td>Convocation</td>
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<tr>
<td>MUSC-1140</td>
<td>Applied Music: Voice I</td>
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<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
</tr>
<tr>
<td>THEA-1010</td>
<td>Introduction to Theatre</td>
</tr>
<tr>
<td>THEA-1400</td>
<td>Ballet I</td>
</tr>
<tr>
<td>THEA-1860</td>
<td>Technical Production I</td>
</tr>
<tr>
<td>THEA-2010</td>
<td>Survey of Theatrical Design</td>
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</tbody>
</table>

**Total Credits**  15

#### 2nd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>MATH-1170</td>
<td>Math Applications</td>
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<tr>
<td>MUSC-1000</td>
<td>Convocation</td>
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<tr>
<td>MUSC-1150</td>
<td>Applied Music: Voice II</td>
</tr>
<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
</tr>
<tr>
<td>MUSC-1410</td>
<td>Music Fundamentals</td>
</tr>
<tr>
<td>SPCH-1110</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>THEA-1300</td>
<td>Voice and Articulation</td>
</tr>
<tr>
<td>THEA-1410</td>
<td>Jazz I</td>
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</table>

**Total Credits**  15

### 3rd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
</tr>
<tr>
<td>HIST-2110</td>
<td>World Civilization (4000BC-1500AC)</td>
</tr>
<tr>
<td>MUSC-1000</td>
<td>Convocation</td>
</tr>
<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
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<tr>
<td>MUSC-2140</td>
<td>Applied Music: Voice III</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>THEA-1420</td>
<td>Tap I</td>
</tr>
<tr>
<td>THEA-2660</td>
<td>Acting I</td>
</tr>
</tbody>
</table>

**Total Credits**  15

### 4th Semester

<table>
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<tr>
<th>Class</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
</tr>
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<td>MUSC-1000</td>
<td>Convocation</td>
</tr>
<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
</tr>
<tr>
<td>MUSC-2150</td>
<td>Applied Music: Voice IV</td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>Issues of Unity &amp; Diversity</td>
</tr>
<tr>
<td>THEA-1430</td>
<td>Tap II</td>
</tr>
<tr>
<td>THEA-2750</td>
<td>Acting II</td>
</tr>
</tbody>
</table>

**Total Credits**  16

**Total AFA Credits**  61

### Theatre AFA Option

**Associate of Fine Arts (62 credits)**

**AFA.1399**

In addition to the required 31-32 general education credits, students seeking the theatre option are required to take a minimum of an additional 31 required credits.

### Required Core Courses (minimum)  31 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA-1200</td>
<td>Movement</td>
</tr>
<tr>
<td>THEA-1300</td>
<td>Voice and Articulation</td>
</tr>
<tr>
<td>THEA-1760</td>
<td>All College Play</td>
</tr>
<tr>
<td>THEA-1830</td>
<td>Stage Makeup</td>
</tr>
<tr>
<td>THEA-1860</td>
<td>Technical Production I</td>
</tr>
<tr>
<td>THEA-2010</td>
<td>Survey of Theatrical Design</td>
</tr>
<tr>
<td>THEA-2200</td>
<td>Script Analysis</td>
</tr>
<tr>
<td>THEA-2600</td>
<td>Technical Production II</td>
</tr>
<tr>
<td>THEA-2660</td>
<td>Acting I</td>
</tr>
<tr>
<td>THEA-2750</td>
<td>Acting II</td>
</tr>
</tbody>
</table>

**Total AFA Requirements**  62 credits

### Recommended Plan of Study

#### 1st Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-1170</td>
<td>Math Applications</td>
</tr>
</tbody>
</table>

**Total Credits**  3

#### 2nd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC-1000</td>
<td>Convocation</td>
</tr>
<tr>
<td>MUSC-1150</td>
<td>Applied Music: Voice II</td>
</tr>
<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
</tr>
<tr>
<td>MUSC-1410</td>
<td>Music Fundamentals</td>
</tr>
<tr>
<td>THEA-1300</td>
<td>Voice and Articulation</td>
</tr>
<tr>
<td>THEA-1410</td>
<td>Jazz I</td>
</tr>
</tbody>
</table>

**Total Credits**  15

#### 3rd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC-1000</td>
<td>Convocation</td>
</tr>
<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
</tr>
<tr>
<td>MUSC-2140</td>
<td>Applied Music: Voice III</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>THEA-1420</td>
<td>Tap I</td>
</tr>
<tr>
<td>THEA-2660</td>
<td>Acting I</td>
</tr>
</tbody>
</table>

**Total Credits**  15

#### 4th Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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<tbody>
<tr>
<td>MUSC-1240</td>
<td>Varsity Vocalise</td>
</tr>
<tr>
<td>MUSC-2150</td>
<td>Applied Music: Voice IV</td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>Issues of Unity &amp; Diversity</td>
</tr>
<tr>
<td>THEA-1430</td>
<td>Tap II</td>
</tr>
<tr>
<td>THEA-2750</td>
<td>Acting II</td>
</tr>
</tbody>
</table>

**Total Credits**  16

**Total AFA Credits**  61
**Visual Arts AFA Option**

**Associate of Fine Arts (61 credits)**

**AFA.5007**

In addition to the required 31-32 general education credits, students seeking the theatre option are required to take an additional 21 required credits and nine (9) elective credits.

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>21 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
<td>Credit</td>
</tr>
<tr>
<td>ARTS-1060</td>
<td>Intro to Art History &amp; Criticism II</td>
</tr>
<tr>
<td>ARTS-1010</td>
<td>Introduction to Visual Arts</td>
</tr>
<tr>
<td>ARTS-1550</td>
<td>Drawing I</td>
</tr>
<tr>
<td>ARTS-1580</td>
<td>Drawing 2</td>
</tr>
<tr>
<td>ARTS-1650</td>
<td>Design Fundamentals</td>
</tr>
<tr>
<td>ARTS-2400</td>
<td>Painting I</td>
</tr>
<tr>
<td>ARTS-2600</td>
<td>Portfolio</td>
</tr>
<tr>
<td>Elective Art Courses</td>
<td>9 credits</td>
</tr>
<tr>
<td>Class</td>
<td>Credit</td>
</tr>
<tr>
<td>ARTS-1200</td>
<td>Clay Animation</td>
</tr>
<tr>
<td>ARTS-1680</td>
<td>Beginning Watercolor Painting</td>
</tr>
<tr>
<td>ARTS-2450</td>
<td>Figure Drawing</td>
</tr>
<tr>
<td>ARTS-2460</td>
<td>Sculpture I</td>
</tr>
<tr>
<td>PHOT-1900</td>
<td>Black/White Photography I</td>
</tr>
<tr>
<td>PHOT-1920</td>
<td>Black/White Photography II</td>
</tr>
</tbody>
</table>

**Total AFA Requirements | 62 credits**

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1010</td>
<td>Introduction to Visual Arts</td>
</tr>
<tr>
<td>ARTS-1550</td>
<td>Drawing I</td>
</tr>
<tr>
<td>MATH-1170</td>
<td>Math Applications</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
</tr>
<tr>
<td>Art elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1050</td>
<td>Intro to Art History &amp; Criticism I</td>
</tr>
<tr>
<td>ARTS-1580</td>
<td>Drawing II</td>
</tr>
<tr>
<td>ARTS-2400</td>
<td>Painting I</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
</tr>
<tr>
<td>SPCH-1110</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1650</td>
<td>Design Fundamentals I</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
</tr>
<tr>
<td>HUMS-1100</td>
<td>Introduction to the Humanities</td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>Issues of Unity &amp; Diversity</td>
</tr>
<tr>
<td>Art elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS-1060</td>
<td>Intro to Art History &amp; Criticism II</td>
</tr>
<tr>
<td>ARTS-2600</td>
<td>Portfolio</td>
</tr>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>Art elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>16</td>
</tr>
</tbody>
</table>

**Total AFA Credits | 61**
Foreign Language (Spanish)

AA.1609A (60 credits)
Associate of Arts
Scottsbluff

The foreign language program provides a two-year course of study in Spanish to meet the vocational, avocation, and academic needs of the student. Because intermediate levels of Spanish are sometimes not offered every year, students should check with their faculty advisor. The course of study suggested below is planned to meet the requirements for the associate of arts degree awarded by WNCC, as well as to meet the requirements for junior standing at four-year colleges and universities, where students may continue work toward a baccalaureate degree. The foreign language track applies equally to those students whose interest is more avocation and to those whose interest is vocational.

Those interested in avocational foreign language study often desire to broaden themselves through the study of foreign languages and cultures or to experience through such a course of study personal enjoyment and satisfaction. On the other hand, those who realize that the knowledge of foreign language makes them more desirable to a prospective employer are interested in foreign language for vocational purposes. Academic courses in general areas of study are also deemed important to correspond with the philosophy of WNCC. Courses are included which are in addition to the foreign language study.

Program Outcomes

- Choose topics, convey purpose, and employ research and organizational skills appropriate for specific planned communication events.
- Analyze reading for social and cultural context.
- Demonstrate knowledge and appreciation of other cultures including language, arts, and cultural values.

Notes

- Students who plan to transfer to a four-year college or university should consult their faculty advisor and transfer advisor early in their WNCC career to determine a curriculum to support their transfer goals.
- The University of Nebraska – Lincoln (B.A., B.S., or B.F.A.) and University of Wyoming (select B.A. programs) require a foreign language for graduation. The student should consult the catalog of these or other four-year colleges and universities of interest to verify these requirements.
- The following is a sample course of study. Students should work closely with their faculty advisor to develop a personal plan of study consistent with individual goals.

Program Requirements

AA General Education Core 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
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</table>

Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.

Foreign Language Core 25 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH-2130</td>
<td>Mexican-American &amp; Native-American Cultures 3</td>
</tr>
<tr>
<td>ARTS-1050</td>
<td>Introduction to Art History and Criticism I 3</td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>Issues of Unity &amp; Diversity 3</td>
</tr>
<tr>
<td>SPAN-1010</td>
<td>Elementary Spanish I 5</td>
</tr>
<tr>
<td>SPAN-1020</td>
<td>Elementary Spanish II 5</td>
</tr>
<tr>
<td>SPAN-2010</td>
<td>Intermediate Spanish I 3</td>
</tr>
<tr>
<td>SPAN-2020</td>
<td>Intermediate Spanish II 3</td>
</tr>
</tbody>
</table>

Electives 3 credits

Total AA Requirements 60 credits

Recommended Plan of Study

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra (or higher) 3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success 3</td>
</tr>
<tr>
<td>SPAN-1010</td>
<td>Elementary Spanish I 5</td>
</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020</td>
<td>English Composition II 3</td>
</tr>
<tr>
<td>SPAN-1020</td>
<td>Elementary Spanish II 5</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>14</td>
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</table>
### 3rd Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH-2130</td>
<td>3</td>
</tr>
<tr>
<td>Mexican American/Native American Cultures</td>
<td></td>
</tr>
<tr>
<td>SPAN-2010</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish I</td>
<td></td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td></td>
</tr>
<tr>
<td>Lab Science GE elective</td>
<td></td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16</strong></td>
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</table>

### 4th Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARTS-1050</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Art History and Criticism I</td>
<td></td>
</tr>
<tr>
<td>SPAN-2020</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish II</td>
<td></td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>3</td>
</tr>
<tr>
<td>Issues of Unity and Diversity</td>
<td></td>
</tr>
<tr>
<td>Social Science GE elective</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>Total AA Credits</strong></td>
<td><strong>60</strong></td>
</tr>
</tbody>
</table>

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## General Studies (Language and Fine Arts)

**AA.2401 (60 credits)**

### Associate of Arts Alliance • Scottsbluff • Sidney

A general studies degree is designed to provide a well-rounded education for students who want to follow a general course of study in the liberal arts. It may be useful to the student who wishes to attend only two years of college or to the student who plans to transfer to another institution but still needs the broad background of coursework in the freshman and sophomore years.

### Program Outcomes

- Write unified and well-supported essays with coherent paragraphs and effective thesis statements.
- Incorporate outside/secondary sources with proper citation in both written and verbal communications.
- Choose topics, convey purpose, and employ research and organizational skills appropriate for specific planned communication events.
- Analyze readings for social and cultural context.
- Demonstrate knowledge and appreciation of other cultures including language, arts, and cultural values.

### Notes:

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.

---

### Program Requirements

#### AA General Education Core

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
</tbody>
</table>

*Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.*

#### General Studies Core

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL-1060 Intro to Ethics &amp; Current Issues in Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-1100 Critical Thinking in the Information Age</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2150 Issues of Unity and Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SPAN-1010 Elementary Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>Two additional humanities courses</td>
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#### Electives

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
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#### Total AA Requirements

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>60-61</td>
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### Recommended Plan of Study

#### 1st Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010</td>
<td>3</td>
</tr>
<tr>
<td>English Composition I</td>
<td></td>
</tr>
<tr>
<td>MATH-1150</td>
<td>3</td>
</tr>
<tr>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>PRVD-1010</td>
<td>3</td>
</tr>
<tr>
<td>Achieving College Success</td>
<td></td>
</tr>
<tr>
<td>Humanities GE Elective</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

#### 2nd Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020</td>
<td>3</td>
</tr>
<tr>
<td>English Composition II</td>
<td></td>
</tr>
<tr>
<td>SPCH-1110</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>Humanities GE Elective</td>
<td></td>
</tr>
<tr>
<td>Social Science GE Elective</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
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</tr>
</tbody>
</table>
### 3rd Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL-1060</td>
<td>Intro to Ethics &amp; Current Issues in Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-1100</td>
<td>Critical Thinking in the Information Age</td>
<td>or</td>
</tr>
<tr>
<td>SOCI-2150</td>
<td>Issues of Unity and Diversity</td>
<td></td>
</tr>
<tr>
<td>SPAN-1300</td>
<td>Elementary Spanish I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Humanities Core Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
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</tbody>
</table>

### 4th Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Humanities Core Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science GE Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Total AA Credits**: 60

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## General Studies

**Math and Science**

**AS.2401 (61 credits)**

**Associate of Science**

**Alliance • Scottsbluff • Sidney**

This program is designed for students wishing to follow a program of study with an emphasis in the sciences. Its purpose is to provide a well-rounded education for those students interested in a math or science-related field including engineering and computer science.

**Objectives**

- Permit students to explore various courses of mathematics and sciences that may lead to a major in a specialized emphasis area.

**Notes**

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Students following the pre-engineering option should choose from the following technical electives:

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR-1010</td>
<td>Introduction to Engineering Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-1020</td>
<td>Programming &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-1070</td>
<td>Graphics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ECEN-2110</td>
<td>Introduction to Circuits &amp; Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-2020</td>
<td>Statics</td>
<td>3</td>
</tr>
</tbody>
</table>

- Students should consult with their faculty advisor before selecting science, math, and elective courses.
- Students following the pre-computer science option should take technical elective INFO-1355 (Computer Science I) and should consult with their faculty advisor before selecting science, math, and elective courses.
- In addition to the general education requirements for the AS degree, a minimum of 15-16 credits of core courses and 26 credits of technical electives are required for the general studies in math and science degree.
- Depending on the student’s choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.
- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor’s degree.

---

## Program Requirements

**AS General Education Core**  33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

**Note**: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

**Core Requirements**  15-16 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
</tr>
<tr>
<td>BIOS-1100</td>
<td>Environmental Science (with lab)</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab)</td>
</tr>
<tr>
<td>BIOS-1160</td>
<td>Intro to Human Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>Class</td>
<td>Credits</td>
</tr>
<tr>
<td>--------------</td>
<td>---------</td>
</tr>
<tr>
<td>BIOS-1300 Botany (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-1380 Zoology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2250 Human Anatomy &amp; Physiology I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2260 Human Anatomy &amp; Physiology II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2120 Genetics (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2460 Microbiology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1050 Introductory Chemistry (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1090 General Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1100 General Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2510 Organic Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2520 Organic Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEOI-1010 Physical Geology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH-1150 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1210 Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600 Analytic Geometry &amp; Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2150 Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2170 Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2200 Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2210 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-1200 Earth and Space Science (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-1070 Astronomy (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-1100 Physical Science (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-1420 Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-2110 General Physics I w/ Calculus (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-2120 General Physics II w/ Calculus (with lab and recitation)</td>
<td>5</td>
</tr>
</tbody>
</table>

**Recommended Tech Electives or Courses Required for Transfer**

Recommended 26 credits

Courses Required for Transfer

These courses do not meet the required minimum math/science requirement for the AS degree.

Technical electives may be selected from the list of core courses in addition to these courses.

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR-2110 Intro to Circuits &amp; Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-2020 Statics</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2350 Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1355 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2330 Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-1225 Science of Sports</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total AS Requirements** 61 credits

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PRVD-1010 Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>Math GE/Core elective</td>
<td>4</td>
</tr>
<tr>
<td>Math or Science Core elective</td>
<td>4</td>
</tr>
<tr>
<td>Technical elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science GE/Core elective</td>
<td>4</td>
</tr>
<tr>
<td>Technical electives</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Math or Science Core elective</td>
<td>4</td>
</tr>
<tr>
<td>Technical elective</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Technical electives</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Total AS Credits</strong></td>
<td>61</td>
</tr>
</tbody>
</table>

**General Studies**

**(Social Sciences)**

AA.4501 (60-61 Credits)

Associate of Arts

Alliance • Scottsbluff • Sidney

The Division of Social Sciences at WNCC offers students the opportunity to earn an associate of arts (AA) in social sciences, a multidisciplinary program with an intellectually rich and diverse combination of courses. The AA in social sciences permits students to select courses from their choice of four (4) of the program's six
(6) areas of study: anthropology, economics, geography, history, political science, or sociology. Ultimately, this program is specifically designed to introduce the social sciences that will successfully prepare students for a variety of interesting and meaningful professions.

**Program Outcomes**

- Identify the multidisciplinary knowledge requisite to understanding personal and social responsibility in modern, complex, and interdependent societies.
- Assess the knowledge required to understand and value human cultures and diversity.
- Synthesize, integrate, and apply knowledge in the areas of local and global civic awareness, intercultural competence, and ethical reasoning and action.
- Develop and demonstrate applied skills across students’ chosen areas of study, consistent with students’ plans to transfer to a four-year college or university and/or their career path.
- Develop and utilize a set of intellectual and life skills in the areas of communication, critical thinking, problem solving, information literacy, humanities and/or fine arts awareness, cultural awareness, personal development, and life-long learning.

**Notes:**

- Students who plan to transfer to a four-year college or university should consult with their WNCC faculty advisor, the WNCC transfer advisor, and/or transfer advisor at their intended transfer institution early in their enrollment to determine the most appropriate curriculum for their proposed program of study at transfer institution.

**Requirements**

**AA General Education Core** 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:** Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.

**Required Social Science Core** 18 credits

(Selected from below)

Select a total of six (6) courses or 18 credit credits from any four (4) of the following six (6) social science areas. The choice of social science courses and disciplines is at the student’s discretion, in consultation with her or his academic advisor.

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Anthropology</strong></td>
<td></td>
</tr>
<tr>
<td>ANTH-2130 Mexican-American and Native/American Cultures</td>
<td>3</td>
</tr>
<tr>
<td><strong>Economics</strong></td>
<td></td>
</tr>
<tr>
<td>ECON-1230 General Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON-2120 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON-2110 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Geography</strong></td>
<td></td>
</tr>
<tr>
<td>GEOG-1120 Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG-2260 Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td><strong>History</strong></td>
<td></td>
</tr>
<tr>
<td>HIST-2010 American History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2020 American History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2050 Special Topics in History</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2060 History of Nebraska</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2100 World Civilizations (4000 B.C. – 1500 A.D.)</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2110 World Civilizations (1500 A.D. – Present)</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2580 History of the American West</td>
<td>3</td>
</tr>
<tr>
<td><strong>Political Science</strong></td>
<td></td>
</tr>
<tr>
<td>POLS-1000 American Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS-1600 International Relations</td>
<td>3</td>
</tr>
<tr>
<td><strong>Sociology</strong></td>
<td></td>
</tr>
<tr>
<td>SOCI-1010 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2050 Special Topics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2250 Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2150 Issues of Unity and Diversity</td>
<td>3</td>
</tr>
</tbody>
</table>

**Recommended Elective Courses** 11 credits

(Selected from below)

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any ANTH course</td>
<td>3</td>
</tr>
<tr>
<td>Any ECON course</td>
<td>3</td>
</tr>
<tr>
<td>Any GEOG course</td>
<td>3</td>
</tr>
<tr>
<td>Any HIST course</td>
<td>3</td>
</tr>
<tr>
<td>Any PHIL course</td>
<td>3</td>
</tr>
<tr>
<td>Any POLS course</td>
<td>3</td>
</tr>
</tbody>
</table>
Any PSYC course 3
Any SOCI course 3
Leadership Development course 3
Case Studies in Leadership course 3
CRIM-1010 Introduction to Criminal Justice 3
CRIM-1030 Courts & the Judicial Process 3
CRIM-2150 Contemporary Issues in Criminal Justice 3
INFO-1100 Microcomputer Applications 3
Total AA Requirements 60-61 credits

Recommended Plan of Study

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2170 Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010 Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>Course from core areas of study</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses from core areas of study</td>
<td>6</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences GE elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Courses from core areas of study</td>
<td>6</td>
</tr>
<tr>
<td>Lab Science GE elective</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course from core area of study</td>
<td>3</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Total AA Credits</strong></td>
<td>61</td>
</tr>
</tbody>
</table>

**Health Information Technology**

Associate of Applied Science
Diploma (Coding Technician)
Alliance - Scottsbluff - Sidney

The health information technology (HIT) program is designed to prepare students to enter the health information field with either a diploma in coding or an associate of applied science degree. Students receiving a diploma are prepared to work in entry-level positions as a coding technician in a variety of healthcare settings. Those receiving an associate of applied science degree are able to work in a greater variety of entry-level positions given greater clinical and didactic preparation.

**Program Outcomes**

- Demonstrate entry-level knowledge and proficiency of health care data content, structure, and standards, including classification systems; health record content and documentation; secondary data sources; and data governance and management.

- Demonstrate entry-level knowledge and proficiency of information protection, access disclosure, archival privacy, and security, including health law; data privacy, confidentiality, and security; and release of information.

- Demonstrate entry-level knowledge and proficiency of health informatics, analytics, and data use, including health information technologies and management strategic planning; analytics and decision support; statistics and research methods; consumer informatics; and health information integrity, data quality, and information exchange.

- Demonstrate entry-level knowledge and proficiency of revenue management, including revenue cycle and reimbursement.

- Demonstrate entry-level knowledge and proficiency of compliance, including regulatory, coding, fraud surveillance, and clinical documentation improvement.

- Demonstrate entry-level knowledge and proficiency of Leadership, including leadership roles of project and change management; vendor/contract and enterprise information management; work design; process improvement; human resources management, training, and development; strategic and organizational management; financial management; and ethics.
Associate of Applied Science (AAS)

AAS.5107A (67-68 credits)
The AAS in health information technology at WNCC is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). Students graduating from the program are eligible to take the national qualifying examination for certification as a registered health information technician (RHIT).

AHIMA's domains and sub-domains for Registered Health Information Technician (RHIT) can be found at ahima.org/certification/RHIT.

WNCC has an articulation agreement with Mid-Plains Community College (MPCC) to offer the HIMS courses to MPCC students.

Notes:

- It is strongly recommended that students who wish to enroll in the HIT program consult with the program director prior to enrolling in classes for details of specific program requirements.
- Students must possess a grade point average (GPA) of 2.0 (C) or above on all previous college coursework and a 2.0 (C) must be earned on all HIT curriculum courses.
- An official copy of all applicants' ACCUPLACER® or ACT assessment test scores must be sent to the Division of Health Occupations in Scottsbluff. A minimum level of basic skill knowledge is required prior to admission to the HIT program. In accordance with WNCC policy, students may be waived from ACCUPLACER® testing by verification of prior equivalent coursework. Students who do not meet minimum ACCUPLACER® score requirements must enroll in developmental coursework prior to starting the HIT Program.
- All courses are available online.
- Health Information Technology (HIMS) courses may only be taken two (2) times. A student may not re-enroll in the program after failing a course the second time. A grade of C-, WF, D or F is considered a failing grade for the Health Information Technology Program.

Program Requirements

AAS General Education Core 16-17 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Social or Lab Science (lab science required) 4

Personal Development 3

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

HIT Core Courses 50 credits

Total AAS Credits 66-67 credits

Recommended Plan of Study

Prerequisites – General Education Core Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Intro to Human Anatomy &amp; Physiology or</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1160</td>
<td></td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
</tr>
<tr>
<td>HIMS-1160</td>
<td>Intermediate Algebra **</td>
</tr>
<tr>
<td>HIMS-1200</td>
<td>Perceptional Communications</td>
</tr>
<tr>
<td>HIMS-1210</td>
<td>Speaking</td>
</tr>
<tr>
<td>HIMS-1220</td>
<td>Effective Speaking</td>
</tr>
<tr>
<td>HIMS-1230</td>
<td>Professional Communication</td>
</tr>
<tr>
<td>HIMS-1240</td>
<td>Health Care Delivery</td>
</tr>
<tr>
<td>HIMS-1250</td>
<td>Coding CPT</td>
</tr>
<tr>
<td>HIMS-1260</td>
<td>Health Care Statistics</td>
</tr>
<tr>
<td>HIMS-1270</td>
<td>Professional Practice Experience</td>
</tr>
<tr>
<td>HIMS-1280</td>
<td>Health Care Administration</td>
</tr>
<tr>
<td>HIMS-1290</td>
<td>Management</td>
</tr>
</tbody>
</table>

Total Credits 20

1st Semester (fall)

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMS-1250</td>
<td>Introduction to HIT 3</td>
</tr>
<tr>
<td>HIMS-1410</td>
<td>Disease Process 4</td>
</tr>
<tr>
<td>HIMS-2150</td>
<td>Coding-CPT 4</td>
</tr>
<tr>
<td>HIMS-2200</td>
<td>Information Systems in Health Care 2</td>
</tr>
<tr>
<td>INFO-1094</td>
<td>Intro to Database (Access) 1</td>
</tr>
<tr>
<td>Total Credits</td>
<td>14</td>
</tr>
</tbody>
</table>

2nd Semester (spring)

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMS-1350</td>
<td>Healthcare Delivery Systems 2</td>
</tr>
<tr>
<td>HIMS-1500</td>
<td>Legal &amp; Ethical Aspects of HIT 3</td>
</tr>
<tr>
<td>HIMS-2100</td>
<td>Coding ICD 4</td>
</tr>
<tr>
<td>HIMS-2180</td>
<td>Reimbursement Methodologies 4</td>
</tr>
<tr>
<td>HIMS-2250</td>
<td>Health Care Statistics 2</td>
</tr>
<tr>
<td>HIMS-2330</td>
<td>HIT Applications I 2</td>
</tr>
<tr>
<td>HIMS-2730</td>
<td>Professional Practice Experience I 2</td>
</tr>
<tr>
<td>Total Credits</td>
<td>19</td>
</tr>
</tbody>
</table>

3rd Semester (fall)

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMS-2340</td>
<td>HIT Applications II 3</td>
</tr>
<tr>
<td>HIMS-2390</td>
<td>Coding &amp; Reimbursement Apps 3</td>
</tr>
<tr>
<td>HIMS-2630</td>
<td>Quality &amp; Performance Improvement 3</td>
</tr>
</tbody>
</table>

104
HIMS-2760 Professional Practice Experience II 2
PSYC-1810 Introduction to Psychology 3

Total Credits 14
Total AAS Credits 67

*Please consult with the HIT Program Director at 308.635.6064 for information about experiential learning credit.

**Students should be Intermediate Algebra ready as evidenced by ACCUPLACER® scores. If not, a math course (MATH-1010 or BSTC-1500) will be required. Please consult with the HIT Program Director at 308.635.6064 for more information.

Diploma (Coding Technician)
DL5107B (46-47 credits)
Alliance * Scottsbluff * Sidney

This program prepares the student to enter the health information field with a diploma as a coding technician. Students receiving a diploma are prepared to work in entry-level positions as a coding technician in a variety of health care settings. Students graduating from the program are eligible to take the CCA or CCS certification, if they meet the other qualifications (please see the program director).

Western Nebraska Community College has an articulation agreement with Mid-Plains Community College to offer the HIMS courses to MPCC students.

AHIMA’s Coding Specialty Track HIM Curriculum Competencies can be found at ahima.org/certification/CCA.

Notes
- Students wishing to enroll in the coding technician program are strongly recommended to consult with the program director prior to enrollment for details of specific program requirements.
- Students following the diploma option must demonstrate competency in writing and mathematics by ACCUPLACER® assessment or by passing the appropriate writing and mathematics courses (ENGL-1000 and BSTC-1500, MATH-1010, or MATH-1020). This is in addition to the required curriculum for the diploma option.
- A grade point average (GPA) of 2.0 (C) or above on all previous WNCC coursework is required. A 2.0 (C) must be earned on all Coding Technician curriculum courses.
- An official copy of all applicants’ ACCUPLACER® or ACT assessment test scores must be sent to the Division of Health Occupations in Scottsbluff. A minimum level of basic skill knowledge is required prior to admission to the Coding Technician program. In accordance with College policy, students may be waived from ACCUPLACER® testing by verification of prior equivalent coursework. Students who do not meet minimum ACCUPLACER® score requirements must enroll in development coursework prior to starting the Coding Technician program.
- All courses are available online.
- Health information technology (HIMS) courses may only be taken two (2) times. A student may not re-enroll in the program after failing a course the second time. A grade of C-, D, or F is considered a failing grade for the Coding Technician program.

Program Requirements

Diploma General Educ. Core 13-14 credits

Class Credits
Written Communication* 3
Quantitative Reasoning* 3-4
Personal Development 3
Lab Science 4

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

HIT Core Courses 33 credits
Total Diploma Credits 46-47 credits

Recommended Plan of Study

1st Semester (fall) Credits
BIOS-1160 Intro to Human Anatomy & Physiology 4
or
LPNR-1110 Body Structure and Function
HIMS-1250 Introduction to HIMS 3
HIMS-1410 Disease Process 4
HIMS-2150 Coding-CPT 4

Total Credits 15

2nd Semester (spring) Credits
ENGL-1010 English Composition I 3
HIMS-1500 Legal & Ethical Aspects of HIMS 3
HIMS-2100 Coding ICD 4
HIMS-2180 Reimbursement Methodologies 4
HLTH-1060 Medical Terminology* 3

105
INFO-1094 Intro to Database (Access) 1

Total Credits 18

3rd Semester (fall) Credits
HIMS-2200 Information Systems in Healthcare 2
HIMS-2360 Coding Professional Practices Exp. 2
HIMS-2390 Coding & Reimbursement Apps 3
PRDV-1010 Achieving College Success 3
Quantitative Reasoning GE elective 3-4

Total Credits 13-14

Total Diploma Credits 46-47

*Please consult with the HIT Program Director at 308.635.6064 for information about experiential learning credit.

Health Professions (Pre)

Associate of Sciences
Scottsbluff

The pre-professional health areas of emphasis are designed to prepare students for transfer to four-year colleges and universities associated with medical schools. The following program models provide students with the first two years of study and are reflective of the University of Nebraska and University of Nebraska Medical Center preparatory programs for the first two years of course work at those respective institutions.

It is important to note that the road to becoming a professional in any of these fields is a long one, requiring upwards of eight or more years of study. These programs are merely the beginning of that journey.

Program Outcomes

- Demonstrate the mastery of course work considered fundamental to the training of a medical professional. Required competencies may include the accumulation of knowledge in general biology, botany, zoology, microbiology, physiology, ecology, genetics, evolution, chemistry, and physics.

- Research program requirements at transfer institutions and implement into the planning of their programs, courses and activities appropriate for transfer to four-year institutions to continue their chosen field of study.

- Demonstrate the ability to transfer into equivalent program at a four-year institution specifically for continuation and study of a chosen field.

- Use knowledge of basic principles of medical science to summarize and support a critical analysis of current scientific advances (primary literature and popular accounts), legislative issues, environmental issues, biotechnological advances, and demonstrate knowledge of contemporary social and ethical issues related to science and the professional responsibilities of a medical professional.

- Understand the relationship between science and other subject areas, including interdisciplinary approaches to global issues and the relationship of core concepts from chemistry, mathematics, and other disciplines to scientific concepts.

- Demonstrate the ability to find, read, and critically evaluate appropriate scientific literature and resources.

- Be able to function successfully within laboratory and field settings, including use of basic equipment (microscopes, measurements devices, and computer technologies); developing and utilizing appropriate safety protocols; and putting into practice conceptual understandings of the research process illustrated by the Scientific Method.

- Utilize a variety of skills to communicate scientific information effectively, including gathering of data/information; oral and written communication skills clarifying concepts and confirming understandings; and utilization of computer resources including computer presentation.

- Demonstrate the knowledge and skills necessary to complete the College’s general education requirements for the AS degree.

Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum to best suit their transfer goals.

- Depending on the choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.

- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor’s or professional degree.

Chiropractic Medicine (Pre) Emphasis Area

AS.5101 (61 credits)
Scottsbluff

The pre-chiropractic medicine emphasis area is modeled after several such programs across North America. The recommended plan of study represents 60 of the minimum 90 prerequisite credits necessary to be eligible for application to an accredited chiropractic school. Of the 61 credits earned toward the associate of sciences
degree, 48 of them include required coursework as established by the Council on Chiropractic Education (CCE) and are accepted by the member institutions of the Association of Chiropractic Colleges (AAC).

This program includes all of the required coursework in the sciences. The program naturally contains considerable flexibility with regard to the recommended coursework. It is important for a student to consult with his or her advisor as well as transfer institutions early to formulate a plan for the completion of all 90 credits required for application to chiropractic school. Complete information concerning prerequisites and application to chiropractic schools can be found at the respective websites of the CCE and AAC.

**Notes**

- Students should check with their advisor to determine which humanities and social science offerings qualify for admission into a certified chiropractic program.
- Social science and humanities credits will constitute 18 credits of the 90 credits required for admission into a certified chiropractic program.
- Students should check the Association of Chiropractic Colleges’ website to get a complete listing of all chiropractic colleges in North America as well as check detailed listings of requirements for admission to Doctor of Chiropractic programs. The potential for adjustment to the recommended program would exist within the first two years although the ultimate requirements for admission to a chiropractic program would not. For example, Organic Chemistry could be delayed until the third year of coursework but relevant substitutions (i.e. science classes) would need to be made in the second year at WNCC to complete hour requirements. Be aware of the fact that at some point Organic Chemistry would still need to be taken by virtue of the fact it is a requirement for admission to a certified chiropractic program.
- Please also note that many of the chiropractic schools are now requiring a bachelor’s of science degree for admission.

**Program Requirements**

In addition to the general education requirements for the AS degree, 32 credits of core courses and nine (9) credits of electives are required for the pre-medical technology emphasis area. A total of 61 credits are required for the associate of sciences degree in this emphasis area.

**AS General Education Core**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

| Humanities            | 3       |
| Math*                 | 3-4     |
| Lab Sciences*         | 4       |
| Personal Development  | 3       |
| Social Science        | 3       |

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

**Core Program Requirements**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2250</td>
<td>Human Anatomy &amp; Physiology I (with lab)</td>
</tr>
<tr>
<td>BIOS-2260</td>
<td>Human Anatomy &amp; Physiology II (with lab)</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab)</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab)</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>PHYS-1410</td>
<td>Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)</td>
</tr>
<tr>
<td>PHYS-1420</td>
<td>Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)</td>
</tr>
</tbody>
</table>

**Recommended Electives or Courses for Transfer (select from below):**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab)</td>
</tr>
<tr>
<td>BIOS-2120</td>
<td>Genetics (with lab)</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (with lab)</td>
</tr>
<tr>
<td>CHEM-2510</td>
<td>Organic Chemistry I (with lab)</td>
</tr>
<tr>
<td>CHEM-2520</td>
<td>Organic Chemistry II (with lab)</td>
</tr>
</tbody>
</table>

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2250</td>
<td>Human Physiology &amp; Anatomy I (with lab)</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab)</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra</td>
</tr>
</tbody>
</table>

107
PRDV-1010 Achieving College Success 3
Total Credits 17

2nd Semester Credits
BIOS-2260 Human Physiology & Anatomy II (with lab) 4
CHEM-1100 General Chemistry II (with lab) 4
ENGL-1020 English Composition II 3
MATH-1210 Trigonometry 3
Total Credits 14

3rd Semester Credits
CHEM-2510 Organic Chemistry I (with lab) 4
PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation) 5
PSYC-1810 Introduction to Psychology 3
Oral Communication GE elective 3
Total Credits 15

4th Semester Credits
CHEM-2520 Organic Chemistry II (with lab) 4
PHYS-1420 Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation) 5
Social science and humanities GE electives 6
Total Credits 15
Total AS Credits 61

Dentistry (Pre) Emphasis Area
AS.5111 (62 credits)
Scottsbluff
This emphasis area constitutes the first two years of the pre-professional study required for admission to a college of dentistry.

Program Requirements
In addition to the general education requirements for the AS degree, 32 credits of core courses and nine (9) credits of electives are required for the pre-dentistry emphasis area. A total of 62 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits
Class Credits
Written Communication 6
Oral Communication 3
Humanities 3
Math* 3-4
Lab Sciences* 4
Personal Development 3
Social Science 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 32 credits
Class Credits
BIOS-1010 General Biology (with lab) 4
BIOS-1380 General Zoology (with lab) 4
CHEM-1090 General Chemistry I (with lab) 4
CHEM-1100 General Chemistry II (with lab) 4
MATH-1150 College Algebra 3
MATH-1210 Trigonometry 3
PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation) 5
PHYS-1420 Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation) 5

Recommended Electives or Courses for Transfer (select from below):
Class Credits
BIOS-1160 Intro to Human Anatomy & Physiology (with lab) 4
BIOS-2120 Genetics (with lab) 4
BIOS-2460 Microbiology (with lab) 4
CHEM-2510 Organic Chemistry I (with lab) 4
CHEM-2520 Organic Chemistry II (with lab) 4

Total AS Requirements 62 credits

Recommended Plan of Study
1st Semester Credits
BIOS-1010 General Biology (with lab) 4
CHEM-1090 General Chemistry I (with lab) 4
ENGL-1010 English Composition I 3
MATH-1150 College Algebra 3
PRDV-1010 Achieving College Success 3
Total Credits 17

2nd Semester Credits
BIOS-1380 General Zoology (with lab) 4
CHEM-1100  General Chemistry II (with lab)  4  
ENGL-1020  English Composition II  3  
MATH-1210  Trigonometry  3  
Total Credits  14  

3rd Semester  
BIOS-2120  Genetics (with lab)  4  
CHEM-2510  Organic Chemistry I (with lab)  4  
PHYS-1410  Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)  5  
Oral Communication GE elective  3  
Total Credits  16  

4th Semester  
CHEM-2520  Organic Chemistry II (with lab)  4  
PHYS-1420  Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)  5  
Humanities GE elective  3  
Social Sciences GE elective  3  
Total Credits  15  
Total AS Credits  62  

Medicine (Pre) Emphasis Area  
AS.5111A (67 credits)  
Scottsbluff  
This emphasis area constitutes the first two years of the study required for admission to a college of medicine.  

Program Requirements  
In addition to the general education requirements for the AS degree, 37 credits of core courses and four (4) credits of electives are required for the emphasis area in pre-medicine. A total of 67 credits are required for the associate of sciences degree in this emphasis area.  

AS General Education Core  33-34 credits  
Class  Credits  
Written Communication  6  
Oral Communication  3  
Humanities  3  
Math*  3-4  
Lab Sciences*  4  
Personal Development  3  
Social Science  3  
* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options. Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.  

Core Program Requirements  37 credits  
Class  Credits  
BIOS-1010  General Biology (with lab)  4  
BIOS-1380  General Zoology (with lab)  4  
CHEM-1090  General Chemistry I (with lab)  4  
CHEM-1100  General Chemistry II (with lab)  4  
MATH-1150  College Algebra  3  
MATH-1210  Trigonometry  3  
MATH-1600  Analytic Geometry and Calculus I  5  
PHYS-1410  Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)  5  
PHYS-1420  Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)  5  

Recommended Electives or  4 credits  
Courses for Transfer* (select from below):  
Class  Credits  
BIOS-1160  Intro to Human Anatomy & Physiology (with lab)  4  
BIOS-2120  Genetics (with lab)  4  
BIOS-2460  Microbiology (with lab)  4  
CHEM-2510  Organic Chemistry I (with lab)  4  
CHEM-2520  Organic Chemistry II (with lab)  4  
* ask academic advisor for specific recommendations  

Total AS Requirements  67 credits  

Recommended Plan of Study  

1st Semester  
Class  Credits  
BIOS-1010  General Biology (with lab)  4  
CHEM-1090  General Chemistry I (with lab)  4  
ENGL-1010  English Composition I  3  
MATH-1150  College Algebra  3  
Total Credits  14  

2nd Semester  
Class  Credits  
BIOS-1380  General Zoology (with lab)  4  
CHEM-1100  General Chemistry II (with lab)  4  
ENGL-1020  English Composition II  3  
MATH-1210  Trigonometry  3  

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PRVD-1010 Achieving College Success 3
Total Credits 17

3rd Semester Credits
BIOS-2120 Genetics (with lab) 4
CHEM-2510 Organic Chemistry I (with lab) 4
MATH-1600 Analytic Geometry and Calculus I 5
PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation) 5
Total Credits 18

4th Semester Credits
CHEM-2520 Organic Chemistry II (with lab) 4
PHYS-1420 Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation) 5
Humanities GE elective 3
Oral Communication GE elective 3
Social Sciences GE elective 3
Total Credits 18
Total AS Credits 67

Nursing (Pre-Professional) Emphasis Area

AS.5116B (61 credits)
Alliance • Scottsbluff • Sidney

This emphasis area provides students with the basic courses for entry into four-year professional nursing programs. The courses are applicable to various other related programs in the life sciences and medical fields.

Notes
- Students wishing to transfer to the University of Nebraska Medical Center (UNMC) need to contact an advisor at UNMC for specific requirements about admission to the university and the program.
- Application to the BSN program is processed through UNMC, not through WNCC. General advising of the required prerequisite courses while at WNCC is provided by faculty in the Nursing program in the Division of Health Sciences at WNCC.
- Some courses have prerequisites. Students are responsible for meeting the prerequisites for the course(s) they select.

Program Requirements

In addition to the general education requirements for the AS degree, 25 credits of core courses and 16 credits of electives, both described below, are required for the emphasis area in pre-nursing. A total of 61 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

Class Credits
Written Communication 6
Oral Communication 3
Humanities 3
Math* 3-4
Lab Sciences* 4
Personal Development 3
Social Science 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 25 credits

Class Credits
BIOS-2050 Diet and Nutrition Therapy 3
BIOS-2250 Human Anatomy & Physiology I (with lab) 4
BIOS-2260 Human Anatomy & Physiology II (with lab) 4
BIOS-2460 Microbiology (with lab) 4
CHEM-1050 Introductory Chemistry (with lab) 4
MATH-1150 College Algebra 3
MATH-2170 Applied Statistics 3

Recommended Electives or Courses for Transfer (select from below):

UNMC requires five (5) additional courses. Three (3) of the courses are specified, any one of which will satisfy the WNCC social science general education requirement. The two (2) remaining courses can be selected from a list of approved courses.

Class Credits
PSYC-1810 Introduction to Psychology 3
PSYC-2150 Life Span: Human Growth & Development 3
SOCI-1010 Introduction to Sociology 3
Political Science and Social Organizations (see advisor) 3
Family & Human Behavior 3
(PRDV-1010 fulfills this
Requirement; see advisor)
Culture, Race, Ethnicity &
Gender (see advisor)

Ethics Elective: UNMC requires the following ethics
course, which also satisfies their and WNCC’s
humanities requirement:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL-1060</td>
<td>Intro to Ethics and Current Issues 3</td>
</tr>
<tr>
<td>In Philosophy</td>
<td></td>
</tr>
</tbody>
</table>

Note: BSAD-2450 (Business Ethics) will satisfy UNMC’s
ethics requirement; however, students should be aware
that if they choose to take this course, they MAY be
required to take another humanities course to fulfill
WNCC’s humanities requirement. Please consult with
an advisor.

Total AS Requirements 61 credits

Recommended Plan of Study

1st Semester  Credits
BIOS-2250 Human Anatomy and Physiology I 4
(with lab)
ENGL-1010 English Composition I 3
MATH-1150 College Algebra 3
PRDV-1010 Achieving College Success 3
(fulfills UNMC Family & Human
Behavior requirement)

Total Credits 13

2nd Semester Credits
BIOS-2260 Human Anatomy and Physiology II 4
(with lab)
BIOS-2460 Microbiology (with lab) 4
ENGL-1020 English Composition II 3
PSYC-1810 Introduction to Psychology 3
SOCI-1010 Introduction to Sociology 3

Total Credits 17

3rd Semester Credits
CHEM-1050 Introductory Chemistry 4
PSYC-2150 Life Span: Human Growth &
Development 3
Culture, Race, Ethnicity & Gender
Elective (see advisor)
Political Science & Social
Organization elective (see advisor)
Elective* 3

Total Credits 16

4th Semester Credits
BIOS-2050 Nutrition and Diet Therapy 3
MATH-2170 Applied Statistics 3
Oral Communications GE elective
(fulfills humanities requirement
for UNMC)
Ethics elective** 3
Elective 3

Total Credits 15
Total AS Credits 61

*Recommend NURS-1195
**Recommend PHIL-1060

Pharmacy (Pre) Emphasis Area

AS.5111B (65 credits)
Scottsbluff

The pre-pharmacy emphasis area is designed to prepare
students for transfer to four-year colleges and universities
associated with medical schools. The program is reflective
of requirements from the University of Nebraska Medical
Center (UNMC).

A pre-pharmacy associate of sciences degree provides
students with the first two (2) years of study required for
admission to an accredited pre-pharmacy program.

Students need to be aware that earning the associate of
sciences degree is just the first step in pursuit of a
professional career in a medical field. Most advanced
degrees in these areas require upwards of eight or more
years of study.

Program Requirements

In addition to the general education requirements for the
AS degree, 28 credits of core courses and 14 credits of
electives, both described below, are required for the pre-
pharmacy emphasis area. A total of 65 credits are required
for the associate of sciences degree in this emphasis area.

Students should choose electives based on
the recommendations of the college of pharmacy to which the
student plans to apply.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
</tbody>
</table>
Personal Development 3
Social Science 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

### Core Program Requirements 22 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2250</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2260</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>4</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>3</td>
</tr>
</tbody>
</table>

### Selected Electives or 14 credits

Courses for Transfer (select from below):

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1160</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2120</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2510</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2520</td>
<td>4</td>
</tr>
</tbody>
</table>

### Total AS Requirements 65 credits

### Recommended Plan of Study

#### 1st Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
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<tr>
<td>CHEM-1090</td>
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<tr>
<td>ENGL-1010</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>3</td>
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<tr>
<td>PRVD-1010</td>
<td>3</td>
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</table>

**Total Credits 17**

#### 2nd Semester

<table>
<thead>
<tr>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>BIOS-1380</td>
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<tr>
<td>CHEM-1100</td>
<td>4</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>3</td>
</tr>
<tr>
<td>PRVD-1010</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits 17**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-2510 Organic Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH-1600 Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>Lab Science GE elective</td>
<td>4</td>
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<tr>
<td>Social Sciences GE elective</td>
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</table>

**Total Credits 16**

### 4th Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-2520 Organic Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
</tr>
</tbody>
</table>

**Total Credits 15**

### Physical Therapy (Pre) Emphasis Area

#### AS.5108A (62 credits)

Scottsbluff

This emphasis area is designed to prepare students for entry into a school of physical therapy. The course of study is designed so that courses taken are applicable to other related programs.

### Program Requirements

In addition to the general education requirements for the AS degree, 22 credits of core courses and 19 credits of electives are required in pre-physical therapy emphasis area. A total of 62 credits are required for the associate of sciences degree in this emphasis area.

### AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.
Core Program Requirements  

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab) 4</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra 3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry 3</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>Analytic Geometry &amp; Calculus I 5</td>
</tr>
</tbody>
</table>

Recommended Electives or  

<table>
<thead>
<tr>
<th>Courses for Transfer (select from below):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
</tr>
<tr>
<td>BIOS-1010</td>
</tr>
<tr>
<td>BIOS-1380</td>
</tr>
<tr>
<td>BIOS-2120</td>
</tr>
<tr>
<td>BIOS-2460</td>
</tr>
<tr>
<td>CHEM-2510</td>
</tr>
<tr>
<td>CHEM-2520</td>
</tr>
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</table>

Total AS Requirements 62 credits

Recommended Plan of Study

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab) 4</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra 3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success 3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>17</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab) 4</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II 3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry 3</td>
</tr>
<tr>
<td>Humanities GE Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>17</td>
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</table>

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOS-2250</td>
<td>Human Anatomy &amp; Physiology I (with lab) 4</td>
</tr>
<tr>
<td>CHEM-2510</td>
<td>Organic Chemistry I (with lab) 4</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>Introduction to Psychology 3</td>
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<tr>
<td>Oral Communications GE elective</td>
<td>3</td>
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<tr>
<td>Total Credits</td>
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</table>

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2260</td>
<td>Human Physiology &amp; Anatomy II (with lab) 4</td>
</tr>
</tbody>
</table>

CHEM-2520 Organic Chemistry II (with lab) 4
Social Sciences GE elective 3
Electives 3
Total Credits 14
Total AS Credits 62

Veterinary/ Comparative (Pre) Medicine Emphasis Area

AS.5111C (66 credits)
Scottsbluff
This emphasis area provides students with the first two (2) years of the study required for admission to a college of veterinary medicine. The program is reflective of requirements from the University of Nebraska Medical Center (UNMC).

Students pursuing veterinary medicine will ultimately plan to transfer to Iowa State University, which has reciprocal residency agreements with University of Nebraska-Lincoln. The comparative medicine emphasis area can be completed through UNMC and focuses on animal research rather than preparations for a traditional veterinary medicine.

Program Requirements

In addition to the general education requirements for the AS degree, 32 credits of core courses and nine (9) credits of electives are required for the pre-veterinary/comparative medicine emphasis area. A total of 66 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options. Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.
Core Program Requirements

**32 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab)</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab)</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab)</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>PHYS-1410</td>
<td>Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)</td>
</tr>
<tr>
<td>PHYS-1420</td>
<td>Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)</td>
</tr>
</tbody>
</table>

Recommended Electives or Courses for Transfer (select from below):

**9 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1160</td>
<td>Intro to Human Anatomy &amp; Physiology (with lab)</td>
</tr>
<tr>
<td>BIOS-2120</td>
<td>Genetics (with lab)</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (with lab)</td>
</tr>
<tr>
<td>CHEM-2510</td>
<td>Organic Chemistry I (with lab)</td>
</tr>
<tr>
<td>CHEM-2520</td>
<td>Organic Chemistry II (with lab)</td>
</tr>
</tbody>
</table>

Total AS Requirements: **66 credits**

**4th Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (with lab)</td>
</tr>
<tr>
<td>CHEM-2520</td>
<td>Organic Chemistry II (with lab)</td>
</tr>
<tr>
<td>PHYS-1420</td>
<td>Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)</td>
</tr>
<tr>
<td>Social Sciences GE elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: **16**

**TOTAL AS Credits: 66**

Health Sciences

Associate of Science

Scottsbluff

The health sciences emphasis areas focus on the mechanics of the human body and the application of this knowledge in a clinical setting. The tracks below provide the first two years of background necessary to successfully transfer to a four-year college or university or pre-professional program.

Program Outcomes

- Demonstrate the mastery of course work considered fundamental to the training of a scientist. Required competencies may include the accumulation of knowledge in general biology, botany, zoology, microbiology, physiology, ecology, genetics, evolution, chemistry, and physics.
- Research program requirements at transfer institutions and implement into the planning of their programs, courses and activities appropriate for transfer to four-year institutions to continue their chosen field of study.
- Demonstrate the ability to transfer into equivalent program at a four-year institution specifically for continuation and study of a chosen field.
- Use knowledge of basic scientific principles to summarize and support a critical analysis of current scientific advances (primary literature and popular accounts), legislative issues, environmental issues, biotechnological advances, and demonstrate knowledge of contemporary social and ethical issues related to science and the professional responsibilities of a scientist.
- Understand the relationship between science and other subject areas, including interdisciplinary
approaches to global issues and the relationship of core concepts from chemistry, mathematics, and other disciplines to scientific concepts.

- Demonstrate the ability to find, read, and critically evaluate appropriate scientific literature and resources.
- Be able to function successfully within laboratory and field settings, including use of basic equipment (microscopes, measurements devices, and computer technologies); developing and utilizing appropriate safety protocols; and putting into practice conceptual understandings of the research process illustrated by the Scientific Method.
- Utilize a variety of skills to communicate scientific information effectively, including gathering of data/information; oral and written communication skills clarifying concepts and confirming understandings; and utilization of computer resources including computer presentation.
- Demonstrate the knowledge and skills necessary to complete the College's general education requirements for the AS degree.

Notes

- Placement test scores dictate English and math course entry levels. It is important to note that MATH-1010 (Intermediate Algebra) is the prerequisite CHEM-1090.
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Depending on the student's choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.
- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor's or professional degree.

Biomedical Research (Pre) Emphasis

AS.2601 (64 credits)
Scottsbluff

The pre-biomedical research emphasis area is designed to provide the student with a course of study that allows him/her the opportunity to be admitted to and successfully complete a degree program in biomedical research. This degree of study provides one student per year the opportunity to be accepted into the INBRE (Nebraska Biomedical Research Program) and attend one of six universities in Nebraska that participate in the program.

Program Requirements

In addition to the general education requirements for the AS degree and 22 credits of core courses, 19 credits of electives are required in the pre-biomedical research emphasis area. A total of 64 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
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</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

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Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Health Science Core Courses 22 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab)</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab)</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab)</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry</td>
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</table>

Recommended Electives or Courses for Transfer 19 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab)</td>
</tr>
<tr>
<td>BIOS-2120</td>
<td>Genetics (with lab)</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (with lab)</td>
</tr>
<tr>
<td>CHEM-2510</td>
<td>Organic Chemistry I (with lab)</td>
</tr>
<tr>
<td>CHEM-2520</td>
<td>Organic Chemistry II (with lab)</td>
</tr>
</tbody>
</table>

Total AS Requirements 64 credits

Recommended Plan of Study

1st Semester Credits
| BIOS-1010   | General Biology (with lab) | 4 |
CHEM-1090 General Chemistry I (with lab) 4
ENGL-1010 English Composition I 3
MATH-1150 College Algebra 3
PRVD-1010 Achieving College Success 3
**Total Credits** 17

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1380 General Zoology (with lab) 4</td>
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<tr>
<td>CHEM-1100 General Chemistry II (with lab) 4</td>
<td></td>
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<tr>
<td>ENGL-1020 English Composition II 3</td>
<td></td>
</tr>
<tr>
<td>MATH-1210 Trigonometry 3</td>
<td></td>
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<tr>
<td>Humanities GE elective 3</td>
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<tr>
<td><strong>Total Credits</strong> 17</td>
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</table>

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2120 Genetics (with lab) 4</td>
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<tr>
<td>BIOS-2250 Human Anatomy &amp; Physiology I (with lab) 4</td>
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</tr>
<tr>
<td>CHEM-2510 Organic Chemistry I (with lab) 4</td>
<td></td>
</tr>
<tr>
<td>Oral Communication GE elective 3</td>
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</tr>
<tr>
<td><strong>Total Credits</strong> 15</td>
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</table>

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2260 Human Anatomy &amp; Physiology II (with lab) 4</td>
<td></td>
</tr>
<tr>
<td>BIOS-2460 Microbiology (with lab) 4</td>
<td></td>
</tr>
<tr>
<td>CHEM-2520 Organic Chemistry II (with lab) 4</td>
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<tr>
<td>Social Sciences GE elective 3</td>
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<tr>
<td><strong>Total Credits</strong> 15</td>
<td></td>
</tr>
<tr>
<td><strong>Total AS Credits</strong> 64</td>
<td></td>
</tr>
</tbody>
</table>

**Dental Hygiene (Pre) Emphasis Area**

**AS.5106 (65 credits)**

Scottsbluff

The pre-dental hygiene program is designed to provide students with a foundational course of study preparing them for admission to a four-year degree program at an accredited school or college of dental hygiene. A total of 65 credits are required for the associate of sciences degree in this emphasis area.

**Program Requirements**

In addition to the general education requirements for the AS degree, 26 credits of core courses and 15 credits of electives are required for the degree in pre-dental hygiene.

**AS General Education Core** 33-34 credits

**Class**  
Written Communication 6

**Oral Communication** 3
**Humanities** 3
**Math** 3-4
**Lab Sciences** 4
**Personal Development** 3
**Social Science** 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

**Note:** Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

**Core Program Requirements** 26 credits

**Class**  
BIOS-1010 General Biology (with lab) 4
BIOS-2050 Diet and Nutrition Therapy 3
BIOS-2250 Human Anatomy and Physiology I (with lab) 4
BIOS-2260 Human Anatomy and Physiology II (with lab) 4
CHEM-1090 General Chemistry I (with lab) 4
CHEM-1100 General Chemistry II (with lab) 4
MATH-1150 College Algebra 3

**Recommended Electives** 15 credits

**Courses for Transfer**

- UNMC requires a “12-hour series” to be completed in a specific area of study. These 12 credits represent a “minor” to be completed along with the prerequisites for the Dental Hygiene program. UNMC does not specify what discipline the 12 credits should be in.
- UNMC requires an additional six (6) credits of social science credit and three (3) credits of humanities credit.

**Total AS Requirements** 65 credits

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I 3</td>
<td></td>
</tr>
<tr>
<td>MATH-1150 College Algebra 3</td>
<td></td>
</tr>
<tr>
<td>PRDV-1010 Achieving College Success 3</td>
<td></td>
</tr>
<tr>
<td>Humanities GE elective 3</td>
<td></td>
</tr>
<tr>
<td>Social Sciences GE elective 3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong> 15</td>
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</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010 General Biology (with lab) 4</td>
<td></td>
</tr>
<tr>
<td>ENGL-1020 English Composition II 3</td>
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</tr>
</tbody>
</table>

116
First of 12-Hour Series 3
Second of 12-Hour Series 3
Social Sciences elective 3

Total Credits 16

3rd Semester
BIOS-2050 Nutrition & Diet Therapy 3
BIOS-2250 Human Anatomy & Physiology I (with lab) 4
CHEM-1090 General Chemistry I (with lab) 4
Third of 12-Hour Series 3
Social Science elective 3

Total Credits 17

4th Semester
BIOS-2260 Human Anatomy & Physiology II (with lab) 4
CHEM-1100 General Chemistry II (with lab) 4
Fourth of 12-Hour Series 3
Humanities elective 3
Oral Communication GE elective 3

Total Credits 17
Total AS Credits 65

Dietetics Emphasis Area
AS.1905 (63 credits)
Scottsbluff
The dietetics emphasis area allows students to complete two years of study at WNCC and then continue their studies leading toward a bachelor of sciences degree in Human Resources and Family Science with a major in Dietetics at the University of Nebraska – Lincoln (UNL). The “Transfer with Ease” brochure is available from a WNCC counselor or advisor.

Notes
- Students who plan to transfer to a four-year college or university should consult their faculty advisor and transfer advisor early in their WNCC career to determine a curriculum to best suit their transfer goals. Careful consideration should be given to the course requirements of the dietetics program at UNL.
- Students who plan to transfer to UNL are encouraged to apply for admission early in their program. ACE elective classes can be taken through UNL during the students’ time at WNCC to lessen the credit load in the fourth semester and additionally guarantee maximum credit transfer.
- UNL requires additional ACE electives. These can be taken through UNL as soon as students apply for and are accepted for admission to UNL. These courses can also be taken while at WNCC. Courses offered at WNCC that satisfy UNL’s nine ACE requirements are:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST-2100</td>
<td>3</td>
</tr>
<tr>
<td>World Civilization (4000 BC – 1500 AD)</td>
<td>3</td>
</tr>
<tr>
<td>HIST-2110</td>
<td>3</td>
</tr>
<tr>
<td>World Civilization (1500 AD – Present)</td>
<td>3</td>
</tr>
<tr>
<td>POLS-2390</td>
<td>3</td>
</tr>
<tr>
<td>International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

- UNL prefers SPCH-1110 (Public Speaking) as the oral communication elective.
- HLTH-1060 (Comprehensive Medical Terminology) is a recommended elective.

Program Requirements
In addition to the general education requirements for the AS degree, 33 credits of core courses and eight (8) credits of electives are required for the degree in pre-dental hygiene. A total of 63 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Health Science Core Courses 33 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>4</td>
</tr>
<tr>
<td>General Biology (with lab)</td>
<td></td>
</tr>
<tr>
<td>BIOS-2050</td>
<td>3</td>
</tr>
<tr>
<td>Diet and Nutrition Therapy</td>
<td></td>
</tr>
<tr>
<td>BIOS-2250</td>
<td>4</td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology I (with lab)</td>
<td></td>
</tr>
<tr>
<td>BIOS-2260</td>
<td>4</td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology II (with lab)</td>
<td></td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>4</td>
</tr>
<tr>
<td>Microbiology (with lab)</td>
<td></td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry I (with lab)</td>
<td></td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry II (with lab)</td>
<td></td>
</tr>
</tbody>
</table>
MATH-1150  College Algebra 3
MATH-2170  Applied Statistics 3

Recommended Electives or 8 credits
Courses for Transfer
UNL recommends eight (8) social science credits in addition to WNCC’s three (3) hour general education requirement:

Class Credits
PSYC-1810  Introduction to Psychology 3
PSYC-2150  Life Span: Human Growth & Development 3
- In addition, UNL recommends:
Class Credits
BSAD-2540  Principles of Management 3

Total AS Requirements 63 credits

Recommended Plan of Study

1st Semester Credits
BIOS-1010  General Biology (with lab) 4
CHEM-1090  General Chemistry I (with lab) 4
ENGL-1010  English Composition I 3
PRVD-1010  Achieving College Success 3
PSYC-1810  Introduction to Psychology 3
Total Credits 17

2nd Semester Credits
CHEM-1100  General Chemistry II (with lab) 4
ENGL-1020  English Composition II 3
MATH-1150  College Algebra 3
Oral Communication GE elective 3
Total Credits 13

3rd Semester Credits
BIOS-2050  Diet and Nutrition Therapy 3
BIOS-2250  Human Physiology & Anatomy I (with lab) 4
PSYC-2150  Life Span: Human Growth & Development 3
Humanities GE elective 3
Social Sciences GE elective 3
Total Credits 16

4th Semester Credits
BIOS-2260  Human Anatomy & Physiology II (with lab) 4
BIOS-2460  Microbiology (with lab) 4
BSAD-2540  Principles of Management 3

MATH-2170  Applied Statistics 3
Social Sciences elective 3
Total Credits 17
Total AS Credits 63

Food Science (Pre) Emphasis Area

AS.0110 (67 credits)
Scottsbluff
The food science emphasis area allows students to complete two years of study at WNCC and then continue their studies leading toward a bachelor of sciences degree in Food Science and Technology at the University of Nebraska—Lincoln (UNL).

Transfer to University of Nebraska—Lincoln
- Careful consideration should be given to the course requirements of the Applied Science program at UNL.
- UNL prefers the communication course to be SPCH-1110 (Public Speaking).
- UNL requires additional Achievement-Centered Education (ACE) electives. These can be taken through UNL as soon as a student applies for and is accepted for admission to UNL. These courses can also be taken at WNCC. The following courses are offered at WNCC that satisfy the UNL’s nine ACE credit hour requirements:

Class Credit
HIST-2100  World Civilization (4000 BC – 1500 AD) 3
HIST-2110  World Civilization (1500 AD – Present) 3
POLS-1600  International Relations 3

- Students who transfer to UNL are encouraged to apply for admission early in their program. ACE elective classes can be taken through UNL during the student’s time at WNCC thereby lessening the credit load in the fourth semester and guaranteeing maximum credit hour transfer.

Program Requirements
In addition to the general education requirements for the AS degree, 43 credits of core courses are required for the degree in pre-food science. A total of 67 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

Class Credits
Written Communication 6
Oral Communication 3
Humanities 3
Math* 3-4
Lab Sciences* 4
Personal Development 3
Social Science 3

* A minimum of 15-16 credits of combined science and math credits are required for the AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 43 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010 General Biology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-1300 General Botany (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-1380 General Zoology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2120 Genetics (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1090 General Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1100 General Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2510 Organic Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2520 Organic Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH-1210 Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600 Analytic Geometry &amp; Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2170 Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total AS Requirements 67 Credits

Medical Technology (Pre) Emphasis Area

AS.5110 (62 credits)
Scottsbluff

This emphasis area constitutes the first two years of pre-professional study required for admission to a school of medical technology or medical technology program.

Program Requirements

In addition to the general education requirements for the AS degree, 32 credits of core courses and nine (9) credits of electives are required for the pre-medical technology emphasis area. A total of 62 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
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<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Health Science Core Courses 32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010 General Biology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-1380 General Zoology (with lab)</td>
<td>4</td>
</tr>
</tbody>
</table>
CHEM-1090 General Chemistry I (with lab) 4  
CHEM-1100 General Chemistry II (with lab) 4  
MATH-1150 College Algebra 3  
MATH-1210 Trigonometry 3  
PHYS-1410 Physics I (with lab & recitation) 5  
PHYS-1420 Physics II (with lab & recitation) 5  

Recommended Electives or 9 credits  
Courses for Transfer (selected from below)  
Class Credits  
BIOS-1160 Intro to Human Anatomy & Physiology (with lab) 4  
BIOS-2120 Genetics (with lab) 4  
BIOS-2460 Microbiology (with lab) 4  
BIOS-2460 Microbiology (with lab) 4  
CHEM-2510 Organic Chemistry I (with lab) 4  
CHEM-2520 Organic Chemistry II (with lab) 4  

Total AS Requirements 63 Credits  

Radiologic Technology (Pre) Emphasis Area  
AS.5122A (61-65 credits)  
Scottsbluff  
This emphasis area provides students interested in radiologic technology with the background academic courses necessary for entry into a specialized school of radiography. The program is designed so that courses taken are applicable to related programs. This degree is configured for articulation with Chadron State College and the School of Radiologic Technology at Regional West Medical Center (RWMC) in Scottsbluff, Nebraska.  
Notes  
- Students applying to Chadron State College and/or the School of Radiologic Technology at RWMC need to contact the counselors or program advisors to determine when they should apply to the program.  
- PHYS-1225 (Science of Sports) will satisfy the physics requirement for the School of Radiologic Technology at Regional West Medical Center. If a student is planning on transferring and completing advanced training such as ultrasound, MRI, or nuclear medicine, he or she should contact his or her transfer institution to determine if PHYS-1225 will satisfy the requirements for an advanced program of study.  
- Radiologic science courses are accepted as transfer credit from the School of Radiologic Technology at RWMC to complete degree requirements. The AS degree is awarded following the successful completion of all listed general education and prerequisite courses, plus sufficient radiologic science elective courses to total a minimum of 60 credit credits.  

Program Requirements  
In addition to the general education requirements for the AS degree, 27-31 credits of core courses, as determined by the program to which students are transferring, are required. A total of 61-65 credits are required for the associate of sciences degree in this emphasis area.  

AS General Education Core 33-34 credits  
Class Credits  
Written Communication 6
Oral Communication 3
Humanities 3
Math* 3-4
Lab Sciences* 4
Personal Development 3
Social Science 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

**Core Program Requirements** 27-31 credits

**Total AS Requirements** 61-65 credits

**Recommended Plan of Study**

**1st Semester**
- ENGL-1010 English Composition I 3 credits
- BIOS-2250 Human Anatomy & Physiology I 4 credits (with lab)
- MATH-1150 College Algebra 3 credits
- PRDV-1010 Achieving College Success 3 credits
- Social Sciences GE elective 3 credits
- **Total Credits** 16

**2nd Semester**
- BIOS-2260 Human Anatomy & Physiology II 4 credits (with lab)
- ENGL-1020 English Composition II 3 credits
- HLTH-1060 Medical Terminology 3 credits
- MATH-2170 Applied Statistics 3 credits
- Oral Communications GE elective 3 credits
- **Total Credits** 16

**3rd Semester**
- CHEM-1050 Introductory Chemistry (with lab) 4 credits
- PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation) 4-5 credits
  or
- PHYS-1225 Science of Sports (offered during spring semester only) 4-5 credits
- Humanities GE elective 3 credits
- Radiologic Science (transfer courses) 4-5 credits
- **Total Credits** 15-17

**4th Semester**
- Radiologic Science (transfer courses) 14-16 credits
- **Total Credits** 14-16
- **Total AS Credits** 61-65

**Human Services**

**Associate of Arts**

**Associate of Applied Science**

**Certificate**

**Alliance • Scottsbluff • Sidney**

The Human Services program provides students with general skills in helping others in need. Graduates from this program are prepared to gain entry-level positions in a variety of human services setting or pursue licensure as an alcohol and drug counselor. Graduates may also continue their education at a four-year college or university.

**Program Outcomes**

- Be able to understand how past events influenced the field of human services and how historical and current legislation continues to impact the field.
- Have an understanding of the structure and dynamics of the various human systems including individuals, small groups, organizations, communities, and society.
- Be able to identify the range and characteristics of the many different human services delivery systems and analyze the appropriate delivery systems for the many different populations and needs addressed by human services.
- Be able to effectively obtain, organize, analyze, evaluate, and disseminate information.
- Be able to analyze needs, develop goals, implement plans, and evaluate the outcome and impact on the client or client group.
- Will learn about and be able to provide direct services including case management, intake interviewing, individual counseling, group counseling, and make referrals or pursue consultation when appropriate.
- Will have an awareness of the values and ethics of the human services profession and integrate these values and ethics into coursework.
- Will have an awareness of his/her own values, cultural bias, philosophies, and personality and how these personal attributes impact others in their role as a human services professional.
Notes
- Recommended plans of study are presented below. However, students should remember that their faculty advisor will help develop a personal plan of study consistent with individual academic and career goals.

Associate of Arts
AA.5115 (61-62 credits)
This degree consists of program-specific coursework designed to enhance practical helping skills and provide electives of interest to the student in addition to the general education requirements necessary to transfer to a four-year college or university. Students receive a solid foundation to continue their education and pursue advanced training as human services professionals.

Program Requirements
AA General Education Core 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
</tbody>
</table>

Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.

Required Human Services Core 18 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-1620 Intro to Human Services Work</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-1800 Case Assessment, Planning, and Management</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2000 Intro to Counseling Skills: Theory and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2300 Group Counseling</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2380 Professional Ethics and Issues</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2450 Multicultural Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>

Recommended Electives 12 credits
Select four (4) courses from the list below:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM-1010 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-1020 Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2110 Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2250 Community-Based Corrections</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1060 Observation, Assessment, and Guidance</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1110 Infant/Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1120 Preschool Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1230 School Age Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED-2050 Children with Exceptionalities</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-1110 Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-2050 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2530 Clinical Treatment Issues</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2800 Human Service Worker Practicum</td>
<td>4</td>
</tr>
<tr>
<td>PSYC-2020 Drugs and Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2090 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2100 Child &amp; Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2140 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2150 Lifespan Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2650 Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-1010 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2050 Special Topics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 2250 Marriage and Family</td>
<td>3</td>
</tr>
</tbody>
</table>

Total AA Requirements 61-62 credits

Recommended Plan of Study

1st Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-1620 Intro to Human Services Work</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-1800 Case Assessment, Planning, and Management</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2000 Intro to Counseling Skills: Theory and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2300 Group Counseling</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2380 Professional Ethics and Issues</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2450 Multicultural Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 15

2nd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010 General Biology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2380 Professional Ethics and Issues</td>
<td>3</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>HUSR Program elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 16

3rd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-2000 Intro to Counseling Skills</td>
<td>3</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Math GE elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td>3</td>
</tr>
<tr>
<td>HUSR Program Elective (PSYC-2090 recommended)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 15-16
4th Semester  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-2300 Group Counseling</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2450 Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>Social Science GE elective  (ANTH-2130 recommended)</td>
<td>3</td>
</tr>
<tr>
<td>HUSR Program elective  (PSYC-2150 recommended)</td>
<td>3</td>
</tr>
<tr>
<td>HUSR Program elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Total AA Credits</strong></td>
<td>61-62</td>
</tr>
</tbody>
</table>

**Associate of Applied Science**

AAS.5115A (62-63 credits)

The associate of applied science (AAS) degree prepares students for a career in the human services field as either a generalist or an alcohol and drug counselor. Within the core requirements, students learn practical skills helpful in human services. There are also opportunities for students to explore areas of interest, including psychology, sociology, criminal justice, early childhood education, education, and social work.

**Requirements**

**AAS General Education Core  15-17 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3-4</td>
</tr>
<tr>
<td>Social or Lab Science</td>
<td>3-4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.*

**Required Human Services Core  31 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-1620 Intro to Human Services Work</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-1800 Case Assessment, Planning, and Management</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2000 Intro to Counseling Skills: Theory and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2300 Group Counseling</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2380 Professional Ethics and Issues</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2450 Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2800 Human Services Worker Practicum</td>
<td>4</td>
</tr>
<tr>
<td>HUSR-2500 Human Services Worker Internship</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2090 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2150 Life Span: Human Growth &amp; Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Recommended Electives  15 credits**

Select from the list below:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM-1010 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-1020 Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2110 Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIM-2250 Community-Based Corrections</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1060 Observation, Assessment, and Guidance</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1110 Infant/Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1120 Preschool Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED-1230 School Age Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED-2050 Children with Exceptionalities</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-1110 Introduction to Professional Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-2050 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-2530 Clinical Treatment Issues</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2020 Drugs and Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2100 Child &amp; Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2140 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2650 Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-1010 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2050 Special Topics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 2250 Marriage and Family</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total AAS Requirements  62-63 credits**

**Recommended Plan of Study**

**1st Semester  Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-1620 Introduction to Human Services Work</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-1800 Case Assessment, Planning, and Management</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010 Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

**2nd Semester  Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-2450 Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2090 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HUSR Program Elective</td>
<td>3</td>
</tr>
<tr>
<td>Math GE elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15-16</td>
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</tbody>
</table>

123
3rd Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-2000</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Counseling Skills: Theory And Techniques</td>
<td></td>
</tr>
<tr>
<td>HUSR-2800</td>
<td>4</td>
</tr>
<tr>
<td>Human Services Worker Practicum</td>
<td></td>
</tr>
<tr>
<td>PSYC-2150</td>
<td>3</td>
</tr>
<tr>
<td>Life Span Growth &amp; Development</td>
<td></td>
</tr>
<tr>
<td>HUSR Program Elective</td>
<td>3</td>
</tr>
<tr>
<td>(HUSR-2530 recommended)</td>
<td></td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
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4th Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HUSR-2300</td>
<td>3</td>
</tr>
<tr>
<td>Group Counseling</td>
<td></td>
</tr>
<tr>
<td>HUSR-2380</td>
<td>3</td>
</tr>
<tr>
<td>Professional Ethics and Issues</td>
<td></td>
</tr>
<tr>
<td>HUSR-2500</td>
<td>3</td>
</tr>
<tr>
<td>Human Service Worker Internship</td>
<td></td>
</tr>
<tr>
<td>HUSR-Program Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Total AAS Credits** 61-63

**Certificate**

C2.5115A (27 credits)
C2.5115B (27 credits)

A 27-30 hour certificate in human services is available for students seeking certification in drug and alcohol counseling. For more information about statewide certification requirements, please contact the lead faculty for human services at 308.635.6783.

**Requirements**

<table>
<thead>
<tr>
<th>Prerequisite Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC-1810</td>
<td>3</td>
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<tr>
<td>Introduction to Psychology</td>
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</table>

**Required Human Services Core 24 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>HUSR-1800</td>
<td>3</td>
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<tr>
<td>Case Assessment, Planning &amp; Management</td>
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<tr>
<td>HUSR-2000</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Counseling Skills</td>
<td></td>
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<tr>
<td>HUSR-2300</td>
<td>3</td>
</tr>
<tr>
<td>Group Counseling</td>
<td></td>
</tr>
<tr>
<td>HUSR-2380</td>
<td>3</td>
</tr>
<tr>
<td>Professional Ethics</td>
<td></td>
</tr>
<tr>
<td>HUSR-2450</td>
<td>3</td>
</tr>
<tr>
<td>Multicultural Counseling</td>
<td></td>
</tr>
<tr>
<td>HUSR-2530</td>
<td>3</td>
</tr>
<tr>
<td>Clinical Treatment Issues</td>
<td></td>
</tr>
<tr>
<td>PSYC-2020</td>
<td>3</td>
</tr>
<tr>
<td>Drugs and Behavior</td>
<td></td>
</tr>
<tr>
<td>PSYC-2150</td>
<td>3</td>
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<tr>
<td>Life Span Growth &amp; Development</td>
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**Elective (strongly recommended) 3 credits**

<table>
<thead>
<tr>
<th>Class</th>
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<tbody>
<tr>
<td>PSYC-2090</td>
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<tr>
<td>Abnormal Psychology</td>
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</tbody>
</table>

**Total Certificate Requirements 27-30 credits**

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>Prerequisite Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC-1810</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Psychology</td>
<td></td>
</tr>
</tbody>
</table>

1st Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-1800</td>
<td>3</td>
</tr>
<tr>
<td>Case Assessment, Planning &amp; Management</td>
<td></td>
</tr>
<tr>
<td>HUSR-2000</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Counseling Skills</td>
<td></td>
</tr>
<tr>
<td>HUSR-2530</td>
<td>3</td>
</tr>
<tr>
<td>Clinical Treatment Issues</td>
<td></td>
</tr>
<tr>
<td>PSYC-2150</td>
<td>3</td>
</tr>
<tr>
<td>Life Span Growth &amp; Development</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

2nd Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUSR-2300</td>
<td>3</td>
</tr>
<tr>
<td>Group Counseling</td>
<td></td>
</tr>
<tr>
<td>HUSR-2380</td>
<td>3</td>
</tr>
<tr>
<td>Professional Ethics</td>
<td></td>
</tr>
<tr>
<td>HUSR-2450</td>
<td>3</td>
</tr>
<tr>
<td>Multicultural Counseling</td>
<td></td>
</tr>
<tr>
<td>PSYC-2020</td>
<td>3</td>
</tr>
<tr>
<td>Drugs and Behavior</td>
<td></td>
</tr>
<tr>
<td>PSYC-2090</td>
<td>3</td>
</tr>
<tr>
<td>Abnormal Psychology (optional)</td>
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<tr>
<td><strong>Total Certificate Credits</strong></td>
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</tr>
</tbody>
</table>

**Information Technology**

**Associate of Arts**

**Alliance • Scottsbluff • Sidney**

This program provides students with a sound basis for further study in information technology, typically leading to a baccalaureate degree in information technology, cybersecurity, information systems, or a related field. This program acquaints students with the principles and practices of operating systems, programming languages, database, network design, network and server administration, and security. These principles prepare students with practical knowledge to apply to the remainder of a baccalaureate degree program.

**Program Outcomes**

- Demonstrate the ability to install, configure, and troubleshoot operating systems and hardware. Promote and help students develop lifelong learning skills needed for professional and personal growth.
- Demonstrate the ability to design, create, and manage a database.
- Demonstrate the ability to design, write, and debug software programs.
- Demonstrate the ability to install, configure, and troubleshoot a network.
- Apply skills and abilities identified as WNCCs five major general education goals.
- Demonstrate basic proficiency in office productivity applications.

**Notes**
- All of these programs are also available online.
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.

**Program Requirements**

### AA General Education Core 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td></td>
</tr>
</tbody>
</table>

*Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details*

### Information Technology Core 25 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1040 Database (Access)</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1097 Electronic Communications (Outlook)</td>
<td>1</td>
</tr>
<tr>
<td>INFO-1100 Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2000 Advanced Microcomputer Apps</td>
<td></td>
</tr>
<tr>
<td>INFO-1241 IT Technical Support</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1242 IT Hardware Support</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1400 Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2426 Linux</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2450 Windows Server</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2600 CyberSecurity Essentials</td>
<td>3</td>
</tr>
</tbody>
</table>

### Core Requirements 6 credits

### Specified Option (see below)

### Total AA Requirements 62-63 credits

**Information Technology Option (AA)**

### AA.1199A (63 credits)

In addition to the required 31-32 general education credits and the 25 core IT credits, students pursuing the information technology option are required to take the following six (6) credits:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1360 Visual C#</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>INFO-1510 Introduction to Robotics</td>
<td></td>
</tr>
<tr>
<td>INFO-2040 SQL Database Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>INFO-2275 Project Management</td>
<td></td>
</tr>
</tbody>
</table>

**CyberSecurity Option (AA)**

### AA.1199C (62 credits)

In addition to the required 31-32 general education credits and the 25 core IT credits, students pursuing the cybersecurity option are required to take the following six (6) credits:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1360 Visual C#</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2275 Project Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Recommended Plan of Study (both options)**

**1st Semester (fall)***

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1241 IT Technical Support</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1242 IT Hardware Support</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1150 College Algebra (or higher)</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010 Achieving College Success</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** 15

**2nd Semester (spring)***

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1097 Electronic Communications (Outlook)</td>
<td>1</td>
</tr>
<tr>
<td>INFO-1100 Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>INFO-2000 Advanced Microcomputer Apps</td>
<td></td>
</tr>
<tr>
<td>INFO-1400 Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1360 Visual C#</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Social Science GE elective</td>
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</tr>
</tbody>
</table>

**Total Credits** 16

**3rd Semester (fall)***

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1040 Database (Access)</td>
<td>3</td>
</tr>
</tbody>
</table>

125
INFO-2450  Windows Server  3
INFO-2600  CyberSecurity Essentials  3
Humanities GE elective  3
Oral Communication GE elective  3
**Total Credits**  **15**

4th Semester (spring)  **Credit**
INFO-2275  Project Management  3
INFO-2426  Linux  3
Humanities GE requirement  3
Lab Science GE requirement  4
Social Science GE requirement  3
**Total Credits**  **16**
**Total AA Credits**  **62**

**Life Sciences & Natural Resources**

**Associate of Sciences**
Alliance • Scottsbluff • Sidney

The emphasis areas in the life sciences and natural resources provide students with comprehensive coverage of the natural world. These courses of study are designed to meet the needs of those wishing to gain technical knowledge for entry into the many related areas within the field of biology as well as those seeking a more specific focus of forestry or wildlife management.

**Program Outcomes**
- Demonstrate the mastery of course work considered fundamental to the training of a biologist. Required competencies may include the accumulation of knowledge in general biology, botany, zoology, microbiology, physiology, ecology, genetics and evolution.
- Research program requirements at transfer institutions and implement into the planning of their programs, courses and activities appropriate for transfer to four-year institutions to continue their chosen field of study.
- Demonstrate the ability to transfer into equivalent program at a four-year institution specifically for continuation and study of a chosen field.
- Use knowledge of basic biological principles to summarize and support a critical analysis of current scientific advances (primary literature and popular accounts), legislative issues, environmental issues, biotechnological advances, and demonstrate knowledge of contemporary social and ethical issues related to biology and the professional responsibilities of a biologist.
- Understand the relationship between science and other subject areas, including interdisciplinary approaches to global issues and the relationship of core concepts from chemistry, mathematics, and other disciplines to life science concepts.
- Demonstrate the ability to find, read, and critically evaluate appropriate scientific literature and resources.
- Be able to function successfully within laboratory and field settings, including use of basic equipment (microscopes, measurements devices, and computer technologies); developing and utilizing appropriate safety protocols; and putting into practice conceptual understandings of the research process illustrated by the Scientific Method.
- Utilize a variety of skills to communicate scientific information effectively, including gathering of data/information; oral and written communication skills clarifying concepts and confirming understandings; and utilization of computer resources including computer presentation.
- Demonstrate the knowledge and skills necessary to complete the College’s general education requirements for the associate of sciences degree.

**Notes**
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisor early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Depending on the choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credits.
- Students should be aware that the courses included in the core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor’s degree.

**Program Requirements**

**AS General Education Core  33-34 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>
* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

**Life Sciences/Natural Resources** 22 credits

**Core Courses**
- BIOS-1010 General Biology (with lab) 4
- BIOS-1380 General Zoology (with lab) 4
- CHEM-1090 General Chemistry I (with lab) 4
- CHEM-1100 General Chemistry II (with lab) 4
- MATH-1150 College Algebra 3
- MATH-1210 Trigonometry 3

**Emphasis Area Requirements or Electives** 19 credits

Recommended electives or courses required for transfer:
- BIOS-1300 General Botany (with lab) 4
- BIOS-2120 Genetics (with lab) 4
- BIOS-2460 Microbiology (with lab) 4
- CHEM-2510 Organic Chemistry I (with lab) 4
- CHEM-2520 Organic Chemistry II (with lab) 4

**Total AS Requirements** 60 credits

**Agriculture (Pre) Emphasis Area**

**AS.0100 (60 credits)**

**Scottsbluff**

The pre-agricultural emphasis area is designed to provide the student with a course of study that allows him/her the opportunity to 1) complete an Associate of Science (AS) degree at WNCC and 2) the first two years of coursework for articulation with the College of Agricultural Sciences and Natural Resources at the University of Nebraska-Lincoln toward a bachelor’s of applied science (BAS) degree.

The bachelor’s-level courses through UNL are offered both on the main WNCC campus and online. This allows students in the Panhandle an opportunity to complete a bachelor’s degree program at home.

**Notes:**

- UNL equivalent course numbers appear in parenthesis below.
- Students who plan to transfer to UNL should consult their faculty advisor and transfer advisor early in their WNCC career to determine their curriculum. Careful consideration should be given the course requirements of the Applied Science program at UNL to which the student is seeking admission. The following will serve as a guide to for those students:
  - UNL requires additional ACE electives. These can be taken through UNL as soon as students apply and are accepted for admission to UNL. These can also be taken while at WNCC. Courses offered at WNCC that satisfy the UNL ACE 9 requirement are HIST-2100 (HIST-120), HIST-2110 (HIST-121), and POLS-1600 (POLS-160).
  - Students who intend to transfer to UNL are encouraged to apply for admission early in their program. ACE elective classes can be taken through UNL during their time at WNCC to lessen the credit load in the fourth semester and additionally guarantee maximum credit transfer.

**Program Requirements**

In addition to the general education requirements for the AS degree, 27-28 credits of core courses are required for the pre-agriculture emphasis area. A total of 60 credits are required for the associate of sciences degree in this emphasis area.

**AS General Education Core** 33-34 credits

**Class** | **Credits**
--- | ---
Written Communication | 6
Oral Communication | 3
Humanities | 3
Math* | 3-4
Lab Sciences* | 4
Personal Development | 3
Social Science | 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

**Core Program Requirements** 27-28 credits

**Total AS Requirements** 60 credits

**Recommended Plan of Study**

**1st Semester** | **Credits**
--- | ---
BIOS-1010 General Biology (101/101L) | 4
ENGL-1010 English Composition I (151) | 3
MATH-1150 College Algebra (101) | 3
PRDV-1010 Achieving College Success | 3
Social Sciences GE elective* 3  
Total Credits 16

<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (112/112L) 4</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (111) 4</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry (102) 3</td>
</tr>
<tr>
<td></td>
<td>Oral Communication GE elective** 3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>14</td>
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<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2120</td>
<td>Genetics (206) 4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry (109) 4</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II (101) 3</td>
</tr>
<tr>
<td>PHYS-1410</td>
<td>Elementary General Physics I w/ Algebra/Trigonometry (141) 5</td>
</tr>
<tr>
<td>Total Credits</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4th Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1300</td>
<td>General Botany (109) 4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (110) 4</td>
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<tr>
<td>STAT-2170</td>
<td>Applied Statistics (218) 3</td>
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<tr>
<td></td>
<td>Humanities GE elective 3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>14</td>
</tr>
</tbody>
</table>

Total AS Credits 60

* UNL prefers ECON-2110 (Principles of Microeconomics) and ECON-2120 (Principles of Macroeconomics).
** UNL prefers SPCH-1110 (Public Speaking) – COMM-209 at UNL.

Recommended Additions to the Program (if time allows)

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2000</td>
<td>Introduction to Scientific Research 1</td>
</tr>
<tr>
<td>BIOS-1401</td>
<td>Biological Sciences Internship 1 (Through UNL Extension Services)</td>
</tr>
</tbody>
</table>

Biology/Ecology Emphasis Area

AS.2601A (60 credits)
Scottsbluff

The biology/ecology emphasis area provides the student with comprehensive coverage of the natural world. This course of study is designed to meet the needs of students wishing to gain technical knowledge for entry into other related areas within the field of biology as well as those seeking a general acquaintance with the field.

Program Requirements

In addition to the general education requirements for the AS degree, 22 credits of core courses and 19 credits of electives are required for the biology/ecology emphasis area. A total of 60 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 22 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab) 4</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra 3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry 3</td>
</tr>
</tbody>
</table>

Emphasis Area Electives or 19 credits

Courses for Transfer

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1300</td>
<td>General Botany (with lab) 4</td>
</tr>
<tr>
<td>BIOS-2120</td>
<td>Genetics (with lab) 4</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-2510</td>
<td>Organic Chemistry I (with lab) 4</td>
</tr>
<tr>
<td>CHEM-2520</td>
<td>Organic Chemistry II (with lab) 4</td>
</tr>
</tbody>
</table>

Total AS Requirements 60 credits

Recommended Plan of Study

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab) 4</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra 3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success 3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>17</td>
</tr>
</tbody>
</table>
2nd Semester
BIOS-1300 General Botany (with lab) 4
or
BIOS-1380 General Zoology (with lab)
CHEM-1100 General Chemistry II (with lab) 4
ENGL-1020 English Composition II 3
Oral Communication GE elective 3
Total Credits 14

3rd Semester
BIOS-2120 Genetics (with lab) 4
CHEM-2510 Organic Chemistry I (with lab) 4
MATH-1210 Trigonometry 3
Social Sciences GE elective 3
Total Credits 14

4th Semester
BIOS-1300 General Botany (with lab) 4
or
BIOS-1380 General Zoology (with lab)
BIOS-2460 Microbiology (with lab) 4
CHEM-2520 Organic Chemistry II (with lab) 4
Humanities GE elective 3
Total Credits 15
Total AS Credits 60

Forestry/Wildlife Management

Emphasis Area

AS.0305 (60 credits)
Scottsbluff

The emphasis area in forestry/wildlife management provides the student with comprehensive coverage of the natural world. This course of study is designed to meet the needs of those wishing to gain technical knowledge for entry into other related areas within the field of biology, such as forestry and wildlife management, as well as those seeking a general acquaintance with the field.

Program Requirements

In addition to the general education requirements for the AS degree, 22 credits of core courses and 19 credits of electives are required for the forestry/wildlife management emphasis area. A total of 60 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

Class Credits
Written Communication 6

Oral Communication 3
Humanities 3
Math* 3-4
Lab Sciences* 4
Personal Development 3
Social Science 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 22 credits

Class Credits
BIOS-1010 General Biology (with lab) 4
BIOS-1380 General Zoology (with lab) 4
CHEM-1090 General Chemistry I (with lab) 4
CHEM-1100 General Chemistry II (with lab) 4
MATH-1150 College Algebra 3
MATH-1210 Trigonometry 3

Emphasis Area Electives or Courses for Transfer 19 credits

Class Credits
BIOS-1300 General Botany (with lab) 4
BIOS-2120 Genetics (with lab) 4
BIOS-2460 Microbiology (with lab) 4
CHEM-2510 Organic Chemistry I (with lab) 4
CHEM-2520 Organic Chemistry II (with lab) 4

Total AS Requirements 60 credits

Recommended Plan of Study

1st Semester

Class Credits
BIOS-1010 General Biology (with lab) 4
CHEM-1090 General Chemistry I (with lab) 4
ENGL-1010 English Composition I 3
MATH-1150 College Algebra 3
PRVD-1010 Achieving College Success 3
Total Credits 17

2nd Semester

Class Credits
BIOS-1380 General Zoology (with lab) 4
CHEM-1100 General Chemistry II (with lab) 4
ENGL-1020 English Composition II 3
MATH-1210  Trigonometry  3
3rd Semester  Credits
BIOS-1100  Environmental Science  4
BIOS-2120  Genetics (with lab)  4
CHEM-2510  Organic Chemistry I (with lab)  4
Oral Communication GE elective  3
Total Credits  15
4th Semester  Credits
BIOS-1300  General Botany (with lab)  4
CHEM-2520  Organic Chemistry II (with lab)  4
Humanities GE Elective  3
Social Science GE Elective  3
Total Credits  14
Total AS Credits  60

Rangeland Management Emphasis Area

AS.0111 (62 credits)
Scottsbluff

The rangeland management emphasis area is a joint effort between WNCC and Chadron State College (CSC) and provides students with core curricular and foundational work for an eventual bachelor of science degree in rangeland management. The program is offered through WNCC and CSC with the ultimate culmination of the program through the Department of Applied Science at Chadron State College.

The program includes course offerings applicable to an associate's degree from WNCC as well as a bachelor's degree from CSC. The program provides for the reverse transfer of CSC credit to be applied to the associate's degree from WNCC.

Agricultural classes are delivered to WNCC by CSC. This two year program fulfills WNCC general education core requirements as well as help fulfill CSC Essential Studies requirements in addition to delivering the appropriate agricultural foundation classes to pursue the advanced degree.

Upon acceptance and transfer to CSC, students have the opportunity to branch out into one of three rangeland management options including rangeland ecology, rangeland livestock management, and rangeland wildlife management.

Notes
- ACCUPLACER® or ACT scores dictate entry levels for both English and math courses.

- Recommended courses at WNCC that satisfy the CSC Essential Studies - ARTS, MUSC, or THEA elective are:
  
  **Class**  **Credit**
  MUSC-1010  Music Appreciation  3
  THEA-1010  Introduction to Theatre  3

- The following courses offered at WNCC that qualify to meet the CSC Essential Studies - Mode of Inquiry requirement are:
  
  **Class**  **Credit**
  HIST-2010  American History I  3
  HIST-2020  American History II  3
  HIST-2100  World Civilization (4000 BC-1500 AD)  3
  HIST-2110  World Civilization (1500 AD-Present)  3
  POLS-1000  American Government  3

- Students will take AGRI-242 (Principles of Rangeland and Forage Management) concurrently with AGRI-242L (laboratory), and AGRI-245 (Principles of Soil Science) concurrently with AGRI-245L (laboratory). Lab offerings for both classes take place one day per month during the semester each course is scheduled.

- Due to the dual offering of classes through both WNCC and CSC each semester, students must be admitted to both WNCC and CSC and are required to be dual enrolled through WNCC and CSC. Completion of course registration for classes takes place through the respective school offering the courses.

- Although not specifically scheduled, students are recommended to utilize summer semesters if necessary to maintain pace within the program. CSC class offerings are limited to the semesters reflected by the schedule.

Program Requirements

In addition to the general education requirements for the AS degree, 18 credits of core courses and 19 credits of electives are required for the rangeland management emphasis area. A total of 60 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core  33-34 credits

**Class**  **Credits**
Written Communication  6
Oral Communication  3
Humanities  3
Math*  3-4
Lab Sciences*  4
Personal Development 3
Social Science 3

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 18 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1060</td>
<td>Intro to Chemistry (with lab) 4</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra 3</td>
</tr>
<tr>
<td>MATH-1210</td>
<td>Trigonometry 3</td>
</tr>
</tbody>
</table>

Emphasis Area Electives or Courses for Transfer

Chadron State College offers indicated AGRI classes through virtual delivery and are subject to reverse transfer agreements between WNCC and CSC.

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRI-132</td>
<td>Introduction to Animal Science 3</td>
</tr>
<tr>
<td>AGRI-141</td>
<td>Introduction to Plant Science 3</td>
</tr>
<tr>
<td>AGRI-151</td>
<td>Foundations of Nutrition &amp; Metabolism 3</td>
</tr>
<tr>
<td>AGRI-235</td>
<td>Introduction to Wildlife Management 3</td>
</tr>
<tr>
<td>AGRI-242</td>
<td>Principles of Rangeland and Forage Management (with lab) 4</td>
</tr>
<tr>
<td>AGRI-245</td>
<td>Principles of Soil Science (with lab) 4</td>
</tr>
<tr>
<td></td>
<td>Additional humanities course 3</td>
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</table>

Total AS Credits 62 credits

Recommended Plan of Study

1st Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AGRI-132</td>
<td>Intro to Animal Science (CSC) 3</td>
</tr>
<tr>
<td>AGRI-141</td>
<td>Intro to Plant Science (CSC) 3</td>
</tr>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab) 4</td>
</tr>
<tr>
<td>MATH-1150</td>
<td>College Algebra 3</td>
</tr>
<tr>
<td>PRVD-1010</td>
<td>Achieving College Success 3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16</strong></td>
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</table>

2nd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRI-151</td>
<td>Foundations of Nutrition and Metabolism (CSC) 3</td>
</tr>
<tr>
<td>BIOS-1380</td>
<td>General Zoology (with lab) 4</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>English Composition I 3</td>
</tr>
</tbody>
</table>

3rd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRI-242</td>
<td>Principles of Rangeland and Forage Management (CSC) (with lab) 4</td>
</tr>
<tr>
<td>CHEM-1050</td>
<td>Introductory Chemistry (with lab) 4</td>
</tr>
<tr>
<td>ENGL-1020</td>
<td>English Composition II 3</td>
</tr>
<tr>
<td></td>
<td>Oral Communications GE elective 3</td>
</tr>
<tr>
<td></td>
<td>HIST, POLS elective (see Notes CSC Essential Studies) 3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

4th Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRI-235</td>
<td>Introduction to Wildlife Management (CSC) 3</td>
</tr>
<tr>
<td>AGRI-245</td>
<td>Principles of Soil Science (CSC) (with lab) 4</td>
</tr>
<tr>
<td>HUMS-1100</td>
<td>Introduction to Humanities (see Notes - CSC Essential Studies) 3</td>
</tr>
<tr>
<td>MATH-2170</td>
<td>Applied Statistics 3</td>
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<td></td>
<td>Social science GE elective 3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

Medical Laboratory Technician

Associate of Applied Science Certificate (Phlebotomy Technician) Scottsbluff

The medical laboratory technician (MLT) program prepares students to function as medical laboratory technicians who perform a wide range of routine and complex clinical laboratory procedures associated with blood and body-fluid analysis. These procedures play an important role in the detection, diagnosis, and treatment of many diseases and in the promotion of health. A medical laboratory technician assesses the reliability/accuracy of the testing, maintains and operates diagnostic equipment, evaluates patient results, prepares analytical reagents and controls, troubleshoots problems with specimens/analyzers, and performs other duties.

The medical laboratory technician curriculum encompasses a combination of general education courses, online lectures, in-person laboratory sessions, and clinical experiences in a hospital or clinic. The courses must be completed within the time-frame shown in the
recommended plan of study, and students in this program are required to be enrolled full-time. Upon successful completion of the prescribed program, the student is eligible to take the examination for national professional certification and will be prepared to work in a variety of clinical settings that include hospital laboratories, physicians' offices, and clinics and blood donor centers.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd. Suite 720, Rosemont, IL 60018-5119; 773.714.8880.

Program Outcomes

- Perform routine clinical laboratory test in areas such as clinical chemistry, hematology/hemostasis, immunochemistry, immunohematology/transfusion medicine, microbiology, urine and body fluid analysis, and laboratory operations. The level of analysis ranges from waived and point-of-care testing to complex testing encompassing all major areas of the clinical laboratory.
- Achieve diverse functions in areas of pre-analytical, analytical, and post-analytical processes.
- Carry out responsibilities for information processing, training, and quality control monitoring wherever clinical laboratory testing is performed.
- Apply safety and governmental regulation compliance.
- Utilize principles and practices of professional conduct and understand the significance of continuing professional development.
- Provide communications sufficient to serve the needs of patients, the public, and members of the health care team.

Program Admission Requirements

The MLT program is a selective admissions program, requiring an application beyond one required for admission to WNCC. Interested students should contact the program director located in the Hemat Center for more information and to obtain a copy of the application form. Prior to admission to the program, the student must meet the following criteria:

- Be at least 17 years of age.
- Possess a high school graduate or have earned a GED certificate.
- Have completed and met the requirements for admissions to WNCC.
- Have taken the ACCUPLACER basic skills assessment unless exempt.

- Submit the completed the MLT Program Application with copies of ACCUPLACER scores and high school and/or college transcripts or GED certificate.
- Upon admission to the program, students must provide the following:
  - records of: flu vaccinations, tuberculosis (TB) testing, and TDAP (tetanus, diphtheria, and pertussis) vaccination
  - compliance with the MLS program criminal background screening policy and the MLS program drug and alcohol screening policy.

Notes

- All students should consult their faculty and transfer advisors early in their WNCC career to determine an appropriate curriculum sequence, and discuss, if appropriate, a curriculum best suited to transfer goals.

Associate of Applied Science

AAS.5110 (78.5 credits)

The associate of applied science degree for the Medical Laboratory Technician program requires 78.5 credits, which includes 17 hours of general education requirements and 60.5 MLT program hours. In this program, students earn not only their AAS but their certificate in Phlebotomy, as well.

Program Requirements

AAS General Education Core 17 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
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</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>4</td>
</tr>
<tr>
<td>Social or Lab Science (lab science required)</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

MLT Core Courses 61.5 credits

Total AAS Credits 78.5 credits

Recommended Plan of Study

1st Semester (fall semester) Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LPNR-1110</td>
<td>Body Structure and Function</td>
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<tr>
<td>HLTH-1060</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>INFO-1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Description</td>
<td>Credits</td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>MEDT-1000</td>
<td>Introduction to Clinical Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MEDT-1010</td>
<td>Fundamentals of Phlebotomy*</td>
<td>4</td>
</tr>
<tr>
<td>MEDT-1210</td>
<td>Practicum: Phlebotomy</td>
<td>2.5</td>
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<tr>
<td><strong>Total Credits</strong></td>
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</tr>
</tbody>
</table>

**2nd Semester (spring semester) **

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-1010</td>
<td>Intermediate Algebra (or higher)</td>
<td>4</td>
</tr>
<tr>
<td>MEDT-1005</td>
<td>Clinical Laboratory Operations</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>SPCH-1200</td>
<td>Written Communication GE require</td>
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</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**3rd Semester (summer - MLT Core Courses) **

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDT-2100</td>
<td>Clinical Microbiology I</td>
<td>3</td>
</tr>
<tr>
<td>MEDT-2110</td>
<td>Urinalysis &amp; Body Fluids</td>
<td>3</td>
</tr>
<tr>
<td>MEDT-2120</td>
<td>Clinical Immunology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>9</strong></td>
</tr>
</tbody>
</table>

**4th Semester (fall - MLT Core Courses) **

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDT-2130</td>
<td>Clinical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>MEDT-2140</td>
<td>Clinical Hematology &amp; Hemostasis</td>
<td>4</td>
</tr>
<tr>
<td>MEDT-2150</td>
<td>Clinical Immunohematology</td>
<td>4</td>
</tr>
<tr>
<td>MEDT-2160</td>
<td>Clinical Microbiology II</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**5th Semester (spring- MLT Core Courses) **

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDT-2200</td>
<td>Practicum: Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MEDT-2230</td>
<td>Practicum: Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>MEDT-2240</td>
<td>Practicum: Hematology</td>
<td>3</td>
</tr>
<tr>
<td>MEDT-2250</td>
<td>Practicum: Immunohematology</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

**6th Semester (summer - MLT Core Courses) **

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDT-2210</td>
<td>Practicum: Urinalysis</td>
<td>2</td>
</tr>
<tr>
<td>MEDT-2220</td>
<td>Practicum: Immunology</td>
<td>2</td>
</tr>
<tr>
<td>MEDT-2300</td>
<td>MLT Certification Examination Preparation Review</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>7</strong></td>
</tr>
</tbody>
</table>

**Total AAS Credits** 78.5

*Students who possess an active Phlebotomy Technician (PBT) certificate through the American Society for Clinical Pathology-Board of Certification (ASCP-BOC) may waive this course.

**Certificate (Phlebotomy Technician) **

**C2.5110 (18.5 credits)**

The phlebotomy program’s curriculum encompasses a combination of general education courses, online lectures, in-person laboratory sessions, and clinical experience in a hospital or clinic. The courses must be completed within the time-frame shown in the recommended plan of study, and students in this program are required to be enrolled full-time. Upon successful completion of the prescribed curriculum, the student will be eligible to take the examination for the national board of certification and will be prepared to work in a variety of clinical settings, including hospital laboratories, physicians’ offices, clinics, and blood donor centers.

The phlebotomy program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119; Tel. (773) 714-8880.

The phlebotomy certificate program consists of 18.5 hours, 10 of which apply toward the AAS degree program for medical laboratory technician.

The admission requirements into the phlebotomy program are the same as for the MLT program and are listed above.

**Program Outcomes**

- Demonstrate knowledge of the health care delivery system and medical terminology.
- Demonstrate knowledge of infection control and safety.
- Demonstrate a basic understanding of the anatomy and physiology of body systems and anatomic terminology in order to relate major areas of the clinical laboratory to general pathological conditions associated with the body systems.
- Demonstrate a basic understanding of age-specific or psycho-social considerations involved in the performance of phlebotomy procedures on various age groups of patients.
- Demonstrate knowledge of the importance of specimen collection and specimen integrity in the delivery of patient care.
- Demonstrate knowledge of collection equipment, various types of additives used, special precautions necessary, and substances that can interfere in clinical analysis of blood constituents.
- Follow standard operating procedures to collect specimens via venipuncture and capillary (dermal) puncture.
- Demonstrate understanding of requisitioning, specimen transport, and specimen processing.
- Demonstrate knowledge of quality assurance and quality control in phlebotomy.
- Communicate (verbally and nonverbally) adequately and appropriately in the workplace.

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO-1100</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>LPNR-1110</td>
<td>Body Structure and Function</td>
<td>4</td>
</tr>
<tr>
<td>HLTH-1060</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>MEDT-1000</td>
<td>introduction to Clinical Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MEDT-1010</td>
<td>Fundamentals of Phlebotomy</td>
<td>4</td>
</tr>
<tr>
<td>MEDT-1210</td>
<td>Clinical Practicum: Phlebotomy</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Total Certificate Credits</strong></td>
<td></td>
<td><strong>18.5</strong></td>
</tr>
</tbody>
</table>

**Nursing (AD-N)**

ADN.5116 (72 credits)

Associate Degree

Alliance • Scottsbluff • Sidney

The associate degree of nursing (AD-N) program requires successful completion of 72 credit hours of prerequisites and nursing coursework and prepares students to become a registered nurse. Students with an unencumbered LPN license may be able to pursue advanced placement option in the program.

Students will learn professionalism, inquiry-based practice, communication and collaboration, and safe patient-centered care through a combination of theory and clinical courses that proceed from simple to complex. Graduates will be prepared with the knowledge and skills to provide nursing care in diverse healthcare settings across the lifespan.

After successful completion of the AD-N program, graduates are eligible to take the National Council Licensure Examination for Registered Nursing (NCLEX-RN). The AD-N program is approved by the Nebraska State Board of Nursing, P.O. Box 95007, Lincoln, NE 68509, 402.471.4971.

**Technical Standards**

Please contact the Nursing Program Director regarding technical standards.

**Program Outcomes**

At the conclusion of the WNCC Associate Degree of Nursing Program, the student:

- Demonstrate, implement, integrate, and analyze safe care practices and processes to minimize risk of harm to patients, self, and the health care team.

- Implement and coordinate holistic patient-centered care for groups of patients.
- Explain, implement, integrate, and compare professional communication skills that facilitate shared decision-making in provision of patient-centered care and in promoting effective team functioning.

- Explain, implement, integrate, and analyze findings from current evidence-based practice for use in provision of patient-centered care and in the improvement of clinical processes and systems.

- Explain the impact of and demonstrate values and beliefs consistent with professional standards, ethics, and legal regulations in the practice of nursing while adhering to established College and clinical agency policies and procedures.

**Notes**

- The AD-N program is a merit based selective admission program. Class selection will occur following the spring semester. All applications are due May 1.

- Students must attain a minimum cumulative prerequisite GPA of 3.0 and earn a minimum grade of “C” on all required prerequisites.

- Students must complete the following required entrance exams with the listed minimum score:
  - ATI Critical Thinking Exam with a score of 60 or higher.
  - ATI TEAS Exam with a score of proficiency level or higher.

- Current LPN’s may advance place into the second year of the associate degree program. Contact the Nursing Department for specific requirements.

- Students must have a current BNA on the Nebraska registry or registry in the students’ state of residency.

- Students must demonstrate math competency either by ACCUPLACER® score or having completed MATH-1010 (Intermediate Algebra) and being College Algebra ready.

- All students provisionally accepted into the program are required to undergo a criminal background check as part of the admission process. Acceptance into the program is contingent upon completion of the background check and immunization requirements.

- For additional information about the admission requirements to the program, contact the Nursing Department at 308.635.6060 or visit the Health Sciences Division office in the Harms Center on the Scottsbluff campus.
Full-Time (Traditional Student Option)

Program Requirements

Required Prerequisites 25 credits
- Students must have a current BNA on the Nebraska registry or registry in the students’ state of residency.
- Students must demonstrate math competency either by ACCUPLACER® score or having completed MATH-1010 (Intermediate Algebra) and being College Algebra ready.

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-2250</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2260</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1050</td>
<td>4</td>
</tr>
<tr>
<td>ENGL-1010</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2150</td>
<td>3</td>
</tr>
</tbody>
</table>

Nursing Core Requirements 47 credits
Students are required to complete program specific coursework after completing all prerequisites and being accepted into the AD-N program.

Total AD-N Requirements 72 credits

Recommended Plan of Study

1st Year (fall) Credits
ADNR-1112 Fundamentals of Nursing Practice 5
ADNR-1132 Pathophysiology I 2
ADNR-1160 Health Assessment 2
BIOS-2050 Nutrition and Diet Therapy* 3
Total Credits 12

*Can be taken as a prerequisite course.

1st Year (spring) Credits
ADNR-1122 Principles of Pharmacology I 2
ADNR-1134 Pathophysiology II 2
ADNR-1141 Adult Health and Illness I 4
ADNR-1151 Adult Health and Illness II 4
Total Credits 12

2nd Year (fall) Credits
ADNR-2112 Care of the Older Adult 2.5
ADNR-2122 Principles of Pharmacology II 2
ADNR-2126 Psychiatric/Mental Health Nursing 3

ADNR-2141 Adult Health & Illness III 4
Total Credits 11.5

2nd Year (spring) Credits
ADNR-2124 Principles of Pharmacology III 1
ADNR-2134 Maternal Child Nursing 3.5
ADNR-2151 Adult Health and Illness IV 3.5
ADNR-2175 Transition to Practice 3.5
Total Credits 11.5
Total AD-N Credits 72

Full-Time (Advanced Placement Option)

Program Requirements

Required Prerequisites
- Students must have successfully completed an accredited practical nursing program.
- Students must have a current unencumbered LPN license.
- Students must demonstrate math competency either by ACCUPLACER® score or having completed MATH-1010 (Intermediate Algebra) and being College Algebra ready.
- The AD-N advanced placement option is a merit-based selective admission program. Class selection will occur following the spring semester.
- Students must attain a minimum cumulative prerequisite GPA of 3.0 and earn a minimum grade of “C” on all required prerequisites.
- Students must complete the following required entrance exams with the listed minimum score:
  - ATI Critical Thinking Exam with a score of 60 or higher.
  - HESI-LPN to AD-N Entrance Exam with a score of 850 or higher.

Course Prerequisites

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADNR-1132</td>
<td>2</td>
</tr>
<tr>
<td>ADNR-1134</td>
<td>2</td>
</tr>
<tr>
<td>BIOS-2250 (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2260 (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1050</td>
<td>4</td>
</tr>
<tr>
<td>PSYC-2150</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Prerequisites 19
If the following courses were not completed in the student’s LPN program, they must be completed as additional prerequisite courses:

BIOS-2050 Nutrition & Diet Therapy 3
BIOS-2460 Microbiology 4
ENGL-1010 English Composition I 3
PSYC-1810 Introduction to Psychology 3
Total Additional Prerequisites 13

Recommended Plan of Study for Second Year with Advanced Placement

2nd Year (fall) Credits
ADNR-1160 Health Assessment* 2
ADNR-2112 Care of the Older Adult 2.5
ADNR-2122 Principles of Pharmacology II 2
ADNR-2126 Psychiatric/Mental Health Nursing 3
ADNR-2141 Adult Health & Illness III 4
Total Credits 13.5

* Can be taken as a prerequisite course.

2nd Year (spring) Credits
ADNR-2124 Principles of Pharmacology III 1
ADNR-2134 Maternal Child Nursing 3.5
ADNR-2151 Adult Health and Illness IV 3.5
ADNR-2175 Transition to Practice 3.5
Total Credits 11.5

Total AP AD-N Credits 57

Nursing (Practical)

D1.5116A (49.5 – 50.5 credits)

Diploma

Alliance • Scottsbluff • Sidney

The three-semester practical nursing (PN) program prepares students to become licensed practical nurses capable of providing nursing care under the supervision of a licensed healthcare professional. Students will learn professionalism, inquiry-based practice, communication and collaboration, and safe patient-centered care through a combination of theory and clinical courses that proceed from simple to complex. Graduates will be prepared with the knowledge and skills to provide nursing care in diverse healthcare settings across the lifespan.

After successful completion of the PN program, graduates are eligible to take the National Council Licensure Examination for Practical Nursing (NCLX-PN). The PN program is approved by the Nebraska Board of Nursing, P.O. Box 95007, Lincoln, NE 68509, 402.471.4917 and accredited by the Accreditation Commission for Education in Nursing, 3343 Peachtree Rd. NE, Suite 850, Atlanta, GA 30326, 404.975.5000, acenursing.org.

Technical Standards

Please contact the Nursing Program Director regarding technical standards.

Program Outcomes

At the conclusion of the WNCC practical nursing program, the student:

- Demonstrates safe care practices to minimize the potential harm to patients, self, and the healthcare team.
- Implements holistic patient-centered care.
- Implements professional communication skills to facilitate shared decision making in provision of patient-centered care and in promoting effective team functioning.
- Implements findings from current evidence-based practice in provision of patient-centered care and to improve clinical processes.
- Demonstrates values and beliefs consistent with professional standards, ethics, and legal regulations in practice of nursing while adhering to established College and clinical agency policies and procedures.

Notes

- Applications for the program are due May 1 of each year. For admission requirements to the program contact the Nursing Department at 308.635.6060 or visit the Health Sciences Division office in the Harms Center on the Scottsbluff campus.
- Students must have a current BNA on the Nebraska registry or registry in the students’ state of residency.
- A minimum grade of “C” must be attained on all prerequisite courses.
- Students are required to undergo a criminal background check as part of the admission process. Students will not be fully accepted into the program until the background check is cleared and immunization requirements complete.
- Students may also take BIOS-2250 and BIOS-2260 to meet the LPNR-1110 or BIOS-1160 requirement.

Program Requirements

Diploma General Educ. Core 10-11 credits

Class Credits

Written Communication* 3
Quantitative Reasoning* 3-4
MATH-1010 (Intermediate Algebra) or MATH-1020 (Technical Mathematics) recommended
Lab Science 4

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Nursing Core Requirements 33 credits
Total Diploma Requirements 49.5-50.5 credits

Recommended Plan of Study

1st Semester  Credits
BIOS-2050 Nutrition and Diet Therapy 3
ENGL-1010 English Composition I 3
LPNR-1110 Body Structure and Function 4
or BIOS-1160 Intro to Human Anatomy & Physiology

PSYC-1810 Introduction to Psychology 3
Quantitative Reasoning GE elective 3-4

Total Credits 16-17

2nd Semester  Credits
BIOS-2460 Microbiology* 4
LPNR-1250 Concepts of Nursing 7
LPNR-1270 Medical/Surgical Nursing I 5.5
NURS-1410 Pharmacology I 2

Total Credits 18.5

*Can be taken as a prerequisite

3rd Semester  Credits
LPNR-2280 Medical/Surgical Nursing II 5.5
LPNR-2290 Care of the Family 5.5
LPNR-2720 Strategies for the LPN in Practice 2
NURS-1480 Pharmacology II 2

Total Credits 15

Total Diploma Credits 49.5-50.5

Physical Sciences & Math

Associate of Sciences
Scottsbluff

The physical sciences and math represent the foundations upon which all sciences are established. Each of the emphasis areas focus on the physical, chemical, and mechanical aspects of life and provide specific insights into the physical world.

Program Outcomes

- Demonstrate the mastery of course work considered fundamental to the training of a scientist. Required competencies may include the accumulation of knowledge in earth and space science, general biology, general chemistry, introductory physics, and organic chemistry. Stimulate interest in physics and fields related to physics.
- Research program requirements at transfer institutions and implement into the planning of their programs, courses and activities appropriate for transfer to four-year institutions to continue their chosen field of study.
- Demonstrate the ability to transfer into equivalent program at a four-year institution specifically for continuation and study of their chosen field.
- Use knowledge of basic scientific principles to summarize and support a critical analysis of current scientific advances (primary literature and popular accounts), legislative issues, environmental issues, technological advances, and demonstrate knowledge of contemporary social and ethical issues relate to scientists and the professional responsibilities of a scientist.
- Understand the relationship between science and other subject areas, including interdisciplinary approaches to global issues and the relationship of core concepts from biology, mathematics, and other disciplines to physical science concepts.
- Will demonstrate the ability to find, read, and critically evaluate appropriate scientific literature and resources.
- Students will be able to function successfully within laboratory settings, including use of basic equipment (measurement devices, and computer technologies); developing and utilizing appropriate safety protocols; and putting into practice conceptual understandings of the research process illustrated by the Scientific Method.
- Utilize a variety of skills to communicate scientific information effectively, including gathering of data/information; oral and written communication skills clarifying concepts and confirming understandings; utilization of computer resources including computer presentation.
- Apply skills and abilities identified as WNCCs five major general education goals.
- Demonstrate the knowledge and skills necessary to complete the College’s general education requirements for the associate of sciences degree.

Notes
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Depending on the choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.
- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor’s degree.

Chemistry Emphasis Area

AS.4005 (62 credits)
Scottbluff
The chemistry emphasis area presents chemical concepts, problem-solving methods, and laboratory experiences intended to upgrade persons working in scientific fields, to provide training for technical scientific employment, and to give pre-professional science students a suitable chemistry background for college transfers.

Program Requirements
- In addition to the general education requirements for the AS degree, 41 credits of core courses and one (1) hour of elective credit are required for the chemistry emphasis area. A total of 62 credit hours are required for this emphasis area.
- Students not prepared for MATH-1600 should start at the appropriate step in the mathematics sequence.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

Core Program Requirements 41 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-1600 Analytic Geometry and Calculus</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2150 Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2200 Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-1090 General Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1100 General Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2510 Organic Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2520 Organic Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-1420 Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)</td>
<td>5</td>
</tr>
</tbody>
</table>

Elective Requirements 1 credit

Total AS Requirements 62 credits

Recommended Plan of Study

1st Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-1090 General Chemistry I (with lab)</td>
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</tr>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600 Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>PRDV-1010 Achieving College Success</td>
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</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
</tr>
</tbody>
</table>

2nd Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-1100 General Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>16</td>
</tr>
</tbody>
</table>

3rd Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-2510 Organic Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>MATH-2150 Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>17</td>
</tr>
</tbody>
</table>
Engineering (Pre) Emphasis Area

AS.1401 (60-69 credits)
Scottsbluff

The pre-engineering emphasis area is designed for those students who are interested in the field of engineering. This emphasis area offers knowledge and skills in science, mathematics, engineering, and general education that are common to many engineering disciplines and normally required of freshman and sophomore engineering students. This program is in alignment with the STEP program for direct transfer to the University of Nebraska–Lincoln (UNL).

Notes
- Students and advisors should note that although math options exist for students, depending on the math level upon entering WNCC, only Calculus I (MATH-1600) and above will be applicable toward a four-year engineering degree.
- Substitutions in the science/math courses listed can be made depending on the area of interest. Please see a faculty advisor and/or curriculum lead of the Division of Math and Science for possible substitutions.

Program Requirements

In addition to the general education requirements for the AS degree, 28 credits of core courses and 14 hours of elective credit are required for the emphasis area in pre-engineering. A total of 60-69 credits are required for the associate of sciences degree in this emphasis area.

AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Recommended Plan of Study

1st Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-1010</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>3-5</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective (#1)</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>15-18</td>
</tr>
</tbody>
</table>

2nd Semester

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-1020</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2150</td>
<td>3-5</td>
</tr>
</tbody>
</table>

* A minimum of 15-16 credits of combined science and math credits are required for the AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.
3rd Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-2200</td>
<td>Calculus III (or selected math class)</td>
<td>3-5</td>
</tr>
<tr>
<td>PHYS-2110</td>
<td>General Physics I w/ Calculus (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Technical Elective (#3)</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Oral Communication GE Require</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>14-17</strong></td>
</tr>
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</table>

4th Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS-2120</td>
<td>General Physics II w/ Calculus (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Technical elective (#4)</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Technical elective (#5)</td>
<td>3-4</td>
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<tr>
<td></td>
<td>Social Science GE Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>14-16</strong></td>
</tr>
</tbody>
</table>

**Total AS Credits** (min) **60-69**

**Mathematics Emphasis Area**

**AS.2701A (63 credits)**

Alliance • Scottsbluff • Sidney

This emphasis area prepares the student for transfer to a four-year college or university to major in mathematics. This area provides the foundation upon which the disciplines of physics and engineering are built.

**Program Outcomes**

- Provide a program of study that will enable transfer students to successfully integrate into Bachelor of Science degree programs in mathematics or engineering.
- Develop critical thinking and problem solving skills to facilitate the translation of scientific problems into mathematical formulations using appropriate models and assumptions.
- Master the mathematical methods of arithmetic, algebra, trigonometry, and multi-variable calculus and apply these methods to the solutions of mathematical formulations and to the analysis of scientific data.
- Utilize current technology and software as tools to assist in the exploration and solution of mathematical problems and in the analysis of scientific data.
- Gain knowledge of contemporary issues and understand the role and impact of science and technology in a global, economic, environmental, and societal context.
- Communicate concepts, analysis, and mathematical solutions using appropriate written, oral, and graphical methods.

- Apply various mathematical techniques in order to assist students of engineering to acquire a more thorough knowledge and solve engineering problems.

**Program Requirements**

In addition to the general education requirements for the AS degree, 25 credits of core courses and 17 credits of technical electives are required for the emphasis area in mathematics. A total of 63 credits are required for the associate of sciences degree in this emphasis area.

**AS General Education Core**  **33-34 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options.

Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

**Core Program Requirements**  **25 credits**

<table>
<thead>
<tr>
<th>Class</th>
<th>Core Program Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR-1020</td>
<td>Programming &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>Analytic Geometry &amp; Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2150</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2170</td>
<td>Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2200</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Science elective</td>
<td>4</td>
</tr>
</tbody>
</table>

**Technical Electives**  **17 credits**

*Technical electives should come from the following list or be approved by the chair of the Division of Math and Science.

<table>
<thead>
<tr>
<th>Class</th>
<th>Technical Electives</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>General Biology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2120</td>
<td>Genetics (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2250</td>
<td>Human Anatomy &amp; Physiology I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2260</td>
<td>Human Anatomy &amp; Physiology II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>Microbiology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>General Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>General Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2510</td>
<td>Organic Chemistry I (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-2520</td>
<td>Organic Chemistry II (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>ECEN-2110</td>
<td>Introduction to Circuits and Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-2020</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2210*</td>
<td>Applied Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-1070</td>
<td>Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-2110</td>
<td>General Physics I w/ Calculus (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-2120</td>
<td>General Physics II w/ Calculus (with lab and recitation)</td>
<td>5</td>
</tr>
</tbody>
</table>

*Recommended

**Total AS Credits** 63 credits

### Recommended Plan of Study

#### 1st Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science GE elective</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Social Science GE elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** 18

#### 2nd Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-1020</td>
<td>Program and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2150</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2170</td>
<td>Applied Statistics</td>
<td>3</td>
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</tbody>
</table>

**Total Credits** 14

#### 3rd Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-2200</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>Technical elective</td>
<td></td>
<td>4</td>
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<tr>
<td>Humanities GE elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** 15

#### 4th Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical electives</td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits** 16

**Total AS Credits** 63

---

### Physics Emphasis Area

**AS.4008 (62-64 credits)**

**Scottsbluff**

This field of study provides students with comprehensive knowledge of the principles and skills related to physical science. The field of study is designed to meet the needs of students entering related technical or professional fields, as well as those seeking a general understanding of the physical world providing understanding of physical principles and interrelationships of all branches of science and mathematics.

### Program Requirements

In addition to the general education requirements for the AS degree, 28 credits of core courses and 14 credits of electives are required for the emphasis area in physics. A total of 62-64 credits are required for the associate of sciences degree in this emphasis area.

#### AS General Education Core 33-34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Math*</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences*</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

* A total of 15-16 combined Science/Math credits are the minimum requirement for an AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM, or PHYS options. Note: Some general education requirements may be satisfied by core program requirements. Please consult with an advisor for details.

#### Core Program Requirements 28 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR-1020 Programming and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600 Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2150 Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH-2200 Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-1410 Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)</td>
<td>5</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>PHYS-2110 General Physics I w/ Calculus (with lab and recitation)</td>
<td>5</td>
</tr>
</tbody>
</table>
PHYS-1420  Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)  5
or
PHYS-2120  General Physics II w/ Calculus (with lab and recitation)  5

**Recommended Electives or 14 credits**

**Courses Required for Transfer**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR-2020</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-1070</td>
<td>4</td>
</tr>
</tbody>
</table>

*It is recommended that the remainder of the seven (7) credits be selected from any of the technical electives below:*

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS-1010</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2250</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2260</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2120</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-2460</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1090</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1100</td>
<td>4</td>
</tr>
<tr>
<td>ENGR-1070</td>
<td>3</td>
</tr>
<tr>
<td>ECEN-2110</td>
<td>3</td>
</tr>
<tr>
<td>INFO-2350</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2170</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2210</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total AS Requirements 62-64 credits**

**Recommended Plan of Study**

**1st Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1600</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-1070</td>
<td>4</td>
</tr>
<tr>
<td>PRDV-1010</td>
<td>3</td>
</tr>
<tr>
<td><em>Total Credits</em></td>
<td>15</td>
</tr>
</tbody>
</table>

**2nd Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020</td>
<td>3</td>
</tr>
<tr>
<td>ENGR-1020</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2150</td>
<td>5</td>
</tr>
<tr>
<td>Humanities GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Technical elective</td>
<td>3-4</td>
</tr>
<tr>
<td><em>Total Credits</em></td>
<td>17-18</td>
</tr>
</tbody>
</table>

**3rd Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-2200</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-2110</td>
<td>5</td>
</tr>
<tr>
<td>Oral Communications GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><em>Total Credits</em></td>
<td>16</td>
</tr>
</tbody>
</table>

**4th Semester**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR-2020</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-2120</td>
<td>5</td>
</tr>
<tr>
<td>Social Sciences GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Technical elective</td>
<td>3-4</td>
</tr>
<tr>
<td><em>Total Credits</em></td>
<td>14-15</td>
</tr>
</tbody>
</table>

**Total AS Credits 62-64**

**Powerline Construction & Maintenance Technology**

**Associate of Applied Science Diploma Certificate Alliance**

This program provides students with the training to apply technical knowledge and skills to install, operate, maintain, and repair distribution, transmission, and rural electric power lines and cables. The student also learns to construct power lines according to Rural Utility Standards (RUS). Upon completion of this program, students have the skills required of an apprentice power line technician for utility providers.

All electives used to fulfill graduation requirements for this degree require pre-approval of the faculty advisor. The final plan for each student must be approved by his or her faculty advisor and the chair of Applied Technology.

**Program Outcomes**

- Demonstrate proficiency in climbing skills including perception of and response to communication cues from pole-top heights and/or in loud settings.
- Demonstrate functional working knowledge electrical theory and concepts as a baseline for efficient and safe work environment conditions.
- Develop safe working habits and skills necessary for an understanding of power line safety guidelines and principles in accordance with the American Public Power Association and OSHA.
• Identify, select, and utilize the appropriate tools, materials, and equipment for the installation, maintenance, and repair of utilities services; following specifications and drawings for construction units.

• Use information and instruction to work cooperatively with groups of individuals to accomplish actual workplace simulations in outdoor settings.

**Technical Standards**

• Apply information and instruction delivered in a classroom setting to the successful performance of lab tasks to simulate actual workplace settings.

• Demonstrate a functional working knowledge of electrical theory and concepts as a baseline for efficient and safe work environment conditions.

• Follow safety procedures described in the American Public Power Association Safety Handbook.

• Identify, select, and utilize the appropriate tools, materials, and equipment for the installation, maintenance, and repair of Rural Utilities Service (RUS) lines, following specifications and drawings for construction units.

• Identify, select and utilize the appropriate tools, materials, and equipment for the installation, maintenance, and repair of a variety of electrical equipment such as transformers, reclosers, grounds, disconnect switches, fused cutouts, and other industry-standard devices.

• Inspect equipment and machinery to ensure safe operational condition per established guidelines.

• Operate hand tools, equipment, and machinery common to the power line trade in a safe manner.

• Utilize a hand line to hoist equipment and materials as necessary to elevated positions.

• Operate equipment such as bucket trucks and digger derrick trucks from elevated platforms.

• Read a load lifting chart and safely load, secure, and unload a variety of equipment and materials using a bucket truck and/or digger derrick truck.

• Climb wooden and steel poles to heights of up to 45 feet to perform construction, repair, or coworker rescue maneuvers.

• Perceive and respond to communication cues from pole-top heights and/or in loud environments.

• Work cooperatively with groups of individuals to accomplish physical tasks in outdoor settings.

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**Associate of Applied Science (AAS)**

**AAS.4603 (66 credits)**

Students must successfully complete a minimum of 15 credits of general education in addition to the Powerline core courses required for the certificate (see below). Students should consult with their academic advisor about how best to incorporate the general education requirements into their academic pathway.

**Notes**

• Interested students should contact the Admissions Office for current program requirements.

• The following are required for acceptance into the Powerline Construction & Maintenance Technology program: a physical exam, health insurance; valid driver’s license; and purchase of climbing tools and equipment. For specific information regarding these items, prospective students should contact the Admissions Office.

• The Merchant Training Program requires an average of 70% on all unit tests in order to take the final for that book/semester. Students who do not have a 70% average on these tests will not be allowed to take the Merchant Training Program final for that book/semester.

• In order to progress to the next book/semester in the Merchant Training Program, students must pass the final for the current book/semester and maintain a 2.5 cumulative GPA in UTIL program specific courses. WNCC requires a 2.0 cumulative GPA overall for graduation.

• An internship is required of all students pursuing a degree, diploma, or certificate in Powerline Construction & Maintenance Technology.

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**Program Requirements**

**AAS General Education Core**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-1000 (Workplace Writing) recommended</td>
<td></td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCH-1200 (Human Communication) recommended</td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3</td>
</tr>
<tr>
<td>MATH-1020 (Technical Math) recommended</td>
<td></td>
</tr>
<tr>
<td>Social or Lab Science</td>
<td>3</td>
</tr>
<tr>
<td>ECON-1230 (General Economics) recommended</td>
<td></td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math
proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Core Program Requirements  51 credits
See requirements for certificate program (below).

Total AAS Requirements  66 credits

Diploma

D2.4603 (60 credits)
This diploma is designed as a standalone program or to fulfill 60 credits of the Powerline Construction & Maintenance Technology AAS degree.

Students must successfully complete a minimum of nine (9) credits of general education in addition to the Powerline core courses required for the certificate (see below). Students should consult with their academic advisor about how best to incorporate the general education requirements into their academic pathway.

Program Requirements

Diploma General Education Core  9 credits

Class  Credits
Written Communication*  3
   ENGL-1000 (Workplace Writing) recommended
Quantitative Reasoning*  3
   MATH-1020 (Technical Math) recommended
Personal Development  3

*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.

Core Program Requirements  51 credits
See requirements for certificate program (below)

Total Diploma Requirements  60 credits

Certificate

C2.4603 (51 Credits)
This certificate is designed as a standalone program or to fulfill 51 credits of the Powerline Construction & Maintenance Technology AAS degree or diploma.

Program Requirements

The certificate in Powerline Construction and Maintenance Technology requires 51 credits as described in the plan of study below.

Recommended Plan of Study

<table>
<thead>
<tr>
<th>1st Semester (summer)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMDT-1000 OSHA 10 for General Industry</td>
<td>1</td>
</tr>
<tr>
<td>TRAN-1100 Commercial Driver’s License (CDL Class B)</td>
<td>2</td>
</tr>
<tr>
<td>UTIL-1100 Introduction to Power Line Basics and Safety</td>
<td>3.5</td>
</tr>
<tr>
<td>UTIL-1200 Basic Climbing</td>
<td>2.5</td>
</tr>
<tr>
<td>UTIL-1500 Applied Electric Science for Powerline I</td>
<td>2</td>
</tr>
<tr>
<td>UTIL-1600 Applied Math for Powerline I</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits  12

<table>
<thead>
<tr>
<th>2nd Semester (fall)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTIL-1015 Staking/Mapping I</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-1025 Rigging I</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-1030 Power Use I</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-1040 Street Lighting I</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-1150 Safety I</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-1415 Overhead Power Line Construction I</td>
<td>3</td>
</tr>
<tr>
<td>UTIL-1425 Electrical Equipment Structure &amp; Design I</td>
<td>3</td>
</tr>
<tr>
<td>UTIL-1435 Electrical Equipment Structure &amp; Design Lab</td>
<td>3</td>
</tr>
<tr>
<td>UTIL-1550 Applied Electric Science for Powerline II</td>
<td>3</td>
</tr>
<tr>
<td>UTIL-1650 Applied Math for Powerline II</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits  18

<table>
<thead>
<tr>
<th>3rd Semester (spring)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTIL-2010 Staking/Mapping II</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-2020 Safety II</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-2030 Power Use II</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-2040 Street Lighting II</td>
<td>1</td>
</tr>
<tr>
<td>UTIL-2350 Transformer Connections</td>
<td>4</td>
</tr>
<tr>
<td>UTIL-2415 Overhead Power Line Construction II</td>
<td>3</td>
</tr>
<tr>
<td>UTIL-2425 Electrical Equipment Structure &amp; Design II</td>
<td>4</td>
</tr>
<tr>
<td>UTIL-2500 Powerline Internship</td>
<td>3</td>
</tr>
<tr>
<td>UTIL-2550 Applied Electric Science for Powerline III</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits  21

Total Certificate Credits  51
Psychology

AA.4201 (60 credits)
Associate of Arts (AA)
Alliance • Scottsbluff • Sidney

The associate of arts program in psychology will provide students with the core curriculum and the foundational work for an eventual bachelor’s degree in psychology. The course of study offers the student the opportunity to study a wide variety of topics within this multifaceted discipline. This field of study is appropriate for students who would like to become counselors, social workers, case managers, career counselors, rehabilitation specialists, and psychiatric technicians. The understanding of human behavior and communications also make psychology majors good candidates for positions in top- and mid-level management and administration, sales, labor-relations, personnel and training, real estate, business services and insurance, or marketing.

Program Outcomes

- Students will be prepared to transfer to a four-year psychology program.
- Students will demonstrate fundamental knowledge and comprehension of major psychological concepts.
- Students will apply scientific reasoning and problem solving incorporating effective research methods.
- Students will demonstrate an understanding of professional ethics as defined by the APA.
- Students will demonstrate an understanding of the value of diversity in psychology.
- Students will demonstrate competence in writing and interpersonal communication skills in a variety of applications.

Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum to best suit their transfer goals.
- If transferring institution does not require foreign language, the student may take other social science or elective courses.
- Students should discuss specific course recommendations to fulfill the social science and humanities elective requirements.

Program Requirements

AA General Education Core 31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td></td>
</tr>
</tbody>
</table>

Note: Some general education requirements may be satisfied by courses in field endorsement areas. Please consult with an advisor for details.

Core Program Requirements 18 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC-1810 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2020 Drugs and Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2090 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2140 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2150 Lifespan Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2650 Research Methods in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Recommended Electives 10-11 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH-2130 Mexican American/Native American Cultures</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-1060 Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL-2610 Comparative Religions</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2150 Issues of Unity and Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SOCI-2250 Marriage and Family</td>
<td>3</td>
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</table>

Total AA Requirements 60 credits

Recommended AA Requirements

1st Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2170 Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010 Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>General Education elective</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
</tr>
</tbody>
</table>

2nd Semester Credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2090 Abnormal Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>
PSYC-2150  Lifespan Growth and Development  3  
General Education electives  6  
Total Credits  15  

### 3rd Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC-2140 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-2650 Research Methods in Psychology</td>
<td>3</td>
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<tr>
<td>General Education electives</td>
<td>9</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
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</table>

### 4th Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC-2020 Drugs and Behavior</td>
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</tr>
<tr>
<td>General Education electives</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>Total AA Credits</strong></td>
<td><strong>60</strong></td>
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</tbody>
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## Program Requirements

### AA General Education Core  31-32 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td>3-4</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>Lab Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>(two courses from different alpha)</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**Notes:**

- Some general education requirements may be satisfied by required courses Please consult with an advisor for details.
- If transferring to University of Nebraska – Kearney, seven (7) hours of lab sciences are required. Please see advisor for details.

### Core Program Requirements or Elective Courses  30-31 credits

### Total AA Requirements  61-62 credits

## Recommended Plan of Study

### 1st Semester  15-16 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HUSR-1620 Introduction to Human Services Work (or SW231 Professional Social Work from CSC)</td>
<td>3</td>
</tr>
<tr>
<td>PRDV-1010 Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science GE elective (see advisor)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (see advisor)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15-16</strong></td>
</tr>
</tbody>
</table>

### 2nd Semester  3 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1020 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH-2170 Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC-1810 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication GE elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective (or SW251 HBSE 1 at CSC) (see advisor)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

### 3rd Semester  3 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON-1230 General Economics</td>
<td>3</td>
</tr>
</tbody>
</table>
HIST-2010  American History I  3
or
HIST-2020  American History II
PSYC-2650  Research Methods in Psychology  3
Elective (or SW252 HBSE 2 at CSC)  3
(see advisor)
Elective (see advisor)  3
Total Credits  15

4th Semester  Credits
POLS-1000  American Government  3
Humanities GE elective (see advisor)  3
Lab Science GE elective (see advisor)  3
Elective (or SW331 Child & Family
  at CSC) (see advisor)  3
Elective (see advisor)  3
Total Credits  16
TOTAL AA Credits  61-62

Surgical Technology

AAS.5109A (63 credits)
Associate of Applied Science
Scottsbluff

The surgical technology program offers an associate’s
degree in applied science. The program is accredited by
the Commission on Accreditation of Allied Health
Education Programs (CAAHEP). The primary goal of the
program is to prepare competent entry-level surgical
technologists in the cognitive (knowledge), psychomotor
(skills), and affective (behavior) learning domains. The
curriculum includes selected science courses, which
provide the basis for in-depth consideration of both theory
and clinical application of principles utilized in surgical
technology. Basic courses in the theoretical aspects of
surgical technology encompass lecture, skills labs,
clinical, and on-line instruction.

The mission of the Surgical Technology program is to
provide a student-centric environment that develops
professional, qualified, patient advocates who are
prepared to function as competent entry-level
professionals in the field of surgical technology, become
life-long learners, and contribute positively to the
communities and agencies they serve.

Furthermore, the program strives to meet student learning
and employability goals via a combination of general
education and comprehensive clinical education utilizing
the cognitive, psychomotor, and affective learning
domains. The program is committed to preparing
graduates to support societal and technological
advancements, aligning with the College’s mission to
model excellence in service to the community.

Program Outcomes

- Demonstrate effective interpretation and expression of
  ideas through written and oral communication in the
  operating room.
- Demonstrate the ability to employ critical thinking
  skills to determine necessary equipment for various
  surgical procedures.
- Demonstrate the role of first scrub on all basic general
  and specialty surgical cases as defined by the
  Association of Surgical Technologists (AST).
- Demonstrate the application of principles of asepsis
  in a knowledgeable manner that provides for optimal
  patient care in the operating room.
- Demonstrate a surgical conscience in all aspects of
  their professional practice.

Notes

- For admission requirements contact the Surgical
  Technology Program Director at 308.254.7431.
- Students are required to undergo a criminal
  background check and 10-panel drug screen as part
  of the admissions process.
- Participation in clinical coursework may require travel
  and/or temporary relocation outside of the immediate
  Panhandle area.
- For information on transfer credits, refer to “Transfer
  of Credits to WNCC” in this catalog.
- Students must take the ACCUPLACER® Basic Skills
  Assessment prior to registering for math and
  English courses.

Program Requirements

AAS General Education Core  15-17 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>3-4</td>
</tr>
<tr>
<td>Social or Lab Science**</td>
<td>3-4</td>
</tr>
<tr>
<td>Personal Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*Written Communication and Quantitative Reasoning
course selections are dependent on writing and math
proficiency based on assessment. Students should consult
with their academic advisor about specific general
education courses required.

**If the student chooses to take LPNR-1110 (Body
Structure & Function) it cannot be taken online.
Core Program Requirements 44 credits  
Total AAS Requirements 60-61 credits

**Recommended Plan of Study**

<table>
<thead>
<tr>
<th>1st Semester (fall – Prerequisites)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL-1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HLTH-1060 Comprehensive Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>LPNR-1110 Body Structure &amp; Function</td>
<td>4</td>
</tr>
<tr>
<td>BIOS-1160 Intro to Human Anatomy &amp; Physiology (with lab)</td>
<td></td>
</tr>
<tr>
<td>MATH-1010 Intermediate Algebra</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH-1020 Technical Mathematics</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>BSTC-1500 Business Mathematics</td>
<td>13-14</td>
</tr>
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</table>

**Total Credits**

<table>
<thead>
<tr>
<th>2nd Semester (spring)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRDV-1010 Achieving College Success</td>
<td>3</td>
</tr>
<tr>
<td>SURT-1030 Surgical Procedures I</td>
<td>4</td>
</tr>
<tr>
<td>SURT-1100 Introduction to Surgical Technology</td>
<td>4</td>
</tr>
<tr>
<td>SURT-1100L Principles &amp; Practices of Surgical Technology Lab I</td>
<td>3</td>
</tr>
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</table>

**Total Credits**

<table>
<thead>
<tr>
<th>3rd Semester (summer)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH-1110 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>SPCH-1200 Human Communication</td>
<td></td>
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</table>

**Total Credits**

<table>
<thead>
<tr>
<th>4th Semester (fall)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SURT-1070 Clinical Practice I</td>
<td>5</td>
</tr>
<tr>
<td>SURT-1125 Pharmacology for the Surgical Technologist</td>
<td>2</td>
</tr>
<tr>
<td>SURT-2050 Surgical Procedures II</td>
<td>4</td>
</tr>
<tr>
<td>SURT-2050L Principles &amp; Practices of Surgical Technology Lab II</td>
<td>3</td>
</tr>
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</table>

**Total Credits**

<table>
<thead>
<tr>
<th>5th Semester (spring)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SURT-2080 Clinical Practice II</td>
<td>6</td>
</tr>
<tr>
<td>SURT-2090 Clinical Practice III</td>
<td>6</td>
</tr>
<tr>
<td>SURT-2210 Professional Development for the Surgical Technologist</td>
<td>2</td>
</tr>
<tr>
<td>SURT-2250 Surgical Procedures III</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credits**

**TOTAL AAS Credits** 60-61

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**Welding Technology**

**Associate of Applied Science Diploma Certificate**

**Scottsbluff**

Welding programs at WNCC offer students the necessary training and technical information required for employment in the welding industry. The curriculum provides training in a variety of welding skill areas.

**Technical Standards**

- Perform successfully safety inspections of and make minor external repairs to equipment and accessories.
- **Shielded Metal Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for shielded metal arc welding on plain carbon steel.
  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.
- **Gas Metal Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for gas metal arc welding on plain carbon steel.
  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.
- **Flux Cored Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for shielded metal arc welding on carbon steel.
  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.
- **Gas Tungsten Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for gas metal arc welding operations on plain carbon steel and aluminum.
  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.
• Oxyfuel Gas Welding and Thermal Cutting Operations
  
  **Manual Oxyfuel Gas Cutting (OFC)**
  1. Demonstrate competency in setting up and operating equipment for manual oxyfuel gas cutting operations on plain carbon steel.
  2. Demonstrate proficiency in straight, shape, and bevel cutting operations on plain carbon steel.

  **Machine Oxyfuel Gas Cutting Operations (OFC)**-[Track Burner]
  1. Demonstrate competency in setting up and operating equipment for machine oxyfuel gas cutting (track burner) operations on plain carbon steel.
  2. Perform straight and bevel cutting operations on plain carbon steel.

  **Air Carbon Arc Cutting (CAC-A)**
  1. Demonstrate competency in setting up and operating equipment for manual air carbon arc gouging and cutting operations on plain carbon steel.
  2. Perform metal removal operations on plain carbon steel.

  **Plasma Arc Cutting (PAC)**
  1. Demonstrate competency in setting up and operating equipment for manual plasma arc cutting operations on plain carbon steel.
  2. Perform shape cutting operations on plain carbon steel.

• Drawing and Welding Symbol Interpretation
  1. Interpret basic elements of a drawing or sketch.
  2. Interpret welding symbol information.

Program Outcomes

- Develop an attitude of safe work practices and a cooperative attitude toward skill development and fellow workers.
- Develop the critical thinking skills and academic knowledge needed to successfully demonstrate welding processes.
- Interpret basic elements of a parts drawing or blueprint including welding symbol information.
- Perform successfully safety inspections of and make minor external repairs to equipment and accessories.
- Develop the skill of working efficiently and the attitude or resourcefulness related to the welding industry.

---

**Associate of Applied Science**

**AAS.4805C (60 credits)**

**Program Requirements**

**AAS General Education Core** ☐ 15-17 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication*</td>
<td>3</td>
</tr>
<tr>
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<td>3</td>
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<tr>
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</tbody>
</table>

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**Welding Requirements** ☐ 34 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMDT-1000 OSHA-10**</td>
<td>1</td>
</tr>
<tr>
<td>WELD-1015 Introduction to Welding**</td>
<td>3</td>
</tr>
<tr>
<td>WELD-1050 Gas Tungsten Arc Welding – I***</td>
<td>3</td>
</tr>
<tr>
<td>WELD-1120 Gas Metal Arc Welding**</td>
<td>3</td>
</tr>
<tr>
<td>WELD-1125 Flux Cored Arc Welding**</td>
<td>3</td>
</tr>
<tr>
<td>WELD-1200 Shielded Metal Arc Welding – I**</td>
<td>3</td>
</tr>
<tr>
<td>WELD-1250 Shielded Metal Arc Welding – II**</td>
<td>3</td>
</tr>
<tr>
<td>WELD-1300 Blue Print Reading for Welders***</td>
<td>3</td>
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<tr>
<td>WELD-2025 Structural Welding***</td>
<td>3</td>
</tr>
<tr>
<td>WELD-2110 Downhill Pipe Welding – SMAW***</td>
<td>3</td>
</tr>
<tr>
<td>WELD-2115 Uphill Pipe Welding – SMAW***</td>
<td>3</td>
</tr>
<tr>
<td>WELD-2150 Gas Tungsten Arc Welding – I***</td>
<td>3</td>
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</tbody>
</table>

**Elective Credits** ☐ 8-14 credits

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit</th>
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<tbody>
<tr>
<td>WELD-1170 Arc Welding &amp; Shop Fabrication</td>
<td>2-3</td>
</tr>
<tr>
<td>WELD-2500 Welding Technology Internship</td>
<td>1-3</td>
</tr>
<tr>
<td>Applied Technology Electives****</td>
<td>5-8</td>
</tr>
</tbody>
</table>

**TOTAL AAS Requirements** ☐ 60 credits

**Diploma**

**D2.4805 (43 credits)**

Students must complete nine (9) credits of general education requirements and 34 credits of credit in WELD courses for a total of 43 credits. Completion of the 34 WELD credits can be accomplished by completing both
the Basic Welding Certificate and the Advanced Welding Certificate.

Program Requirements

Diploma General Education Core          9 credits
ENGL-1000    Workplace Writing (or higher)*       3
MATH-1020    Technical Mathematics (or higher)*  3
                One course selected from
                Communication, Science, Social
                Science, or Personal Development

Core Program Requirements          34 credits

Class                                      Credits
AMDT-1000          OSHA-10**                  1
WELD-1015          Introduction to Welding**   3
WELD-1050          Gas Tungsten Arc Welding – I*** 3
WELD-1120          Gas Metal Arc Welding**     3
WELD-1125          Flux Cored Arc Welding**    3
WELD-1200          Shielded Metal Arc Welding – I** 3
WELD-1250          Shielded Metal Arc Welding – II** 3
WELD-1300          Blue Print Reading for Welders*** 3
WELD-2025          Structural Welding***       3
WELD-2110          Downhill Pipe Welding – SMAW*** 3
WELD-2115          Uphill Pipe Welding – SMAW*** 3
WELD-2150          Gas Tungsten Arc Welding – II*** 3

**Basic Welding Certificate requirements
***Advanced Welding Certificate requirements
****Any Applied Technology course; Manufacturing strongly recommended

Total Diploma Credits                 43 credits

Certificate

C2.4805A (16 credits) – Basic Welding Certificate
C2.4805B (18 credits) – Advanced Welding Certificate

WNCC offers two certificate programs in welding—a basic and an advanced program. These certificate programs are designed as standalone certificates, or the programs can be “stacked” together to fulfill 34 of the 43 credits required for a diploma in welding. They also can be applied toward the 60 credits required for an associate of applied science degree in welding.

Recommended Plans of Study

Basic Welding Certificate          16 credits

Class                                      Credits
AMDT-1000          OSHA-10                  1
WELD-1015          Introduction to Welding  3

WELD-1120          Gas Metal Arc Welding     3
WELD-1125          Flux Cored Arc Welding    3
WELD-1200          Shielded Metal Arc Welding – I 3
WELD-1250          Shielded Metal Arc Welding – II 3

Total Credits                 16

Advanced Welding Certificate          18 credits

Class                                      Credits
WELD-1050          Gas Tungsten Arc Welding – I 3
WELD-1300          Blue Print Reading for Welders 3
WELD-2025          Structural Welding           3
WELD-2110          Downhill Pipe Welding – SMAW 3
WELD-2115          Uphill Pipe Welding – SMAW 3
WELD-2150          Gas Tungsten Arc Welding – II 3

Total Credits                 18
ACCT-2200
Cost/Managerial Accounting
Prerequisite: ACCT-1210
This course covers accounting for manufacturing cost procedures. Topics addressed include job-order and process cost systems, managerial and cost reports, budgeting and standard costing, planning and control, cost-volume-profit analysis, cost estimations, and product costing and pricing. Managerial emphasis is stressed throughout the course.
(3/45/0/0/0/0/0/0/0)

ACCT-2250
Individual Income Tax
Prerequisite: ACCT-1200
This course is designed to provide students with an introduction to the fundamentals of individual income tax and its calculation. Tax issues surrounding business entities, disposition of property, and tax basis are also discussed. Students are introduced to alternative minimum tax, passive activity rules, charitable contributions and tax minimization strategies. This course is a foundation for more advanced work in the area of federal and state taxes.
(3/45/0/0/0/0/0/0/0)

ACCT-2310
Accounting Applications (Quickbooks)
Prerequisite: ACCT-1200
This course is an introduction to computerized accounting using a commercial software package designed for small to mid-sized businesses. Applications include accounts receivables and sales, accounts payables and purchases, general ledger, payroll, inventories, financial reports, charts and graphs. Prior basic accounting knowledge of debits/credits, account classifications, and the accounting cycle for a service business and a merchandising business is required.
(3/45/0/0/0/0/0/0/0)

ACCT-2500
Accounting Internship
Prerequisite: ACCT 1200
Work experience is an important part of any educational program. This internship is intended to give students extended experience in solving real world problems while working under the supervision of an employer and instructor. Students may be compensated for the credits and will receive one (1) credit for each 60 credits worked up to three (3) credits.
(1-3/0/0/0/0/0/0/60-180)
ACCT-2800
National Certified Bookkeeper Prep
Prerequisite: ACCT-1200
This course provides an in-depth study of accounting principles used by bookkeepers, preparing students to take the national examinations required to obtain a Certified Bookkeeper designation from the American Institute of Professional Bookkeepers. Topics include adjusting entries, correction of accounting errors, payroll, depreciation, inventory, and internal controls and fraud prevention.
(3/45/0/0/0/0/0/0/0/0/0)

Advanced Manufacturing Technology

AMDT-1000
OSHA 10 for General Industry
This course provides instruction on the rights of general industry workers, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. The course curriculum is based upon OSHA 10 General Industry requirements. The course will introduce general industry OSHA standards relating to personal protective equipment, HAZMAT (hazardous materials) communication, tool safety, walking and working surfaces, electrical safety, emergency response, lockout/tagout, and others.
(1/15/0/0/0/0/0/0/0/0/0)

AMDT-1110
Introduction to Quality & Continuous Improvement
This course enables students to understand and interpret blueprints, machine shop symbols, and various drawings used in the industrial trades. The course focuses on determining dimensions and using shapes in understanding fabrication and assembly. This course will further provide students with the quality management principles, techniques, tools, and skills for on-the-job applications useful in a wide-range of business organizations such as the service industry and manufacturing. Students will apply basic measurement and system calibration skills and measurement system analysis. Students will also study manufacturing properties of materials, the behavior of materials, and the advantages and disadvantages of types of materials in an industrial setting.
(3/45/0/0/0/0/0/0/0/0/0)

AMDT-1120
Introduction to Manufacturing Technology
This course is designed to prepare students for the Manufacturing Skill Standards Council’s (MSSC) Certification Assessment. The course curriculum is based upon national standards for production workers. This course introduces students to the history and purpose of manufacturing as well as basic manufacturing operations. In particular, manufacturing principles, theories, basic process overview, materials, production machine operations, and finished product logistics are discussed.
(3/45/0/0/0/0/0/0/0/0/0)

Anthropology

ANTH-2130
Mexican-American & Native-American Cultures
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a social science requirement for AA or AS degree
This course is designed to provide an understanding of Mexican-American and Native-American people through a study of their historic backgrounds, the patterning of family structure, health practices and folk medicine, religious concerns, value systems, contributions to American culture, bicultural outlook, and how all relate to contemporary cultural patterns.
(3/45/0/0/0/0/0/0/0/0/0)

Applied Agriculture Technology

AGRI-1005
Introduction to Technical & Applied Agriculture
This course introduces students to the field of technical and applied agriculture. The course covers career exploration and employability skills involved in the applied agriculture sector. Special consideration will be emphasized on basic knowledge of tools used in agriculture and how to utilize them properly and safely.
(3/45/0/0/0/0/0/0/0/0/0)

AGRI-1010
Agriculture Regulations Overview
This course introduces students to several compliance regulations governing the agricultural industry, primarily
at the operational level. Students will be exposed to Codes of Federal Regulations (CFR), including regulations of the Department of Agriculture, Environmental Protection Agency, Occupational Safety and Health Administration, Food and Drug Administration, and Department of Transportation. Additional state regulatory considerations will be discussed as well.

(3/45/0/0/0/0/0/0/0/0/0/0)

**AGRI-1020**

**Weed & Pest Control**

This course introduces students to the field of weed and pest control in agriculture. The focus is on gathering actionable information to reduce and eliminate weeds and pests in production agriculture. This class assists in preparing the student to sit for the Private Applicators License Exam through the University of Nebraska-Lincoln.

(3/45/0/0/0/0/0/0/0/0/0/0)

**AGRI-1100**

**Agriculture Machinery**

This course introduces students to different machines used past and present in agriculture. Students will be exposed to different agricultural machines through observation as well as simulations.

(3/30/0/45/0/0/0/0/0/0/0)

**AGRI-1370**

**Water System Management**

This course introduces students to different aspects of water systems management. Students will be exposed to different cropping and irrigation practices as well as municipal and confined animal feeding operation procedures in managing water and runoff.

(3/30/0/45/0/0/0/0/0/0/0)

**AGRI-1400**

**Agricultural Commercial Vehicle Operation**

This course introduces students to the field of agricultural vehicle operation. The course will provide hands on training with commercial motor vehicles and also train students in the skills necessary to obtain a Class A commercial driver’s license.

(3/15/0/90/0/0/0/0/0/0/0)

**AGRI-2000**

**Emerging Agricultural Issues**

This course introduces students to the many different issues facing agriculture including but not limited to animals, crops, technology, water and water usage, and urbanization. These issues will be discussed in how they relate to agriculture and ultimately the global food supply.

(3/45/0/0/0/0/0/0/0/0/0/0)

**AGRI-2500**

**Applied Agriculture Internship**

**Prerequisite: GPA requirement of 2.0 in AGRI courses**

Work experience is an important part of any educational program. This practicum is intended to give students experience in solving real world problems while working under the supervision of an employer and instructor. Students may be compensated for the hours worked and will receive one (1) credit for each 60 hours worked up to three (3) credits.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

**Art**

**ARTS-1010**

**Introduction to Visual Arts**

This course provides an introduction into the nature of art – its subject matter, form, and content - and an historical survey of the world of painting, sculpture, and architecture utilizing the elements studied for stylistic analysis and interpretations. The aim of the course is appreciation through understanding.

(3/45/0/0/0/0/0/0/0/0/0/0)

**ARTS-1050**

**Introduction to Art History & Criticism I**

**Satisfies a humanities requirement for AA or AS degree**

This course is a survey of major works of art in all media from prehistory through the end of the Late Gothic period. Artistic styles will be discussed in relation to contemporary history, society, and culture. Individual works of art will be explored as well as the role of art and architecture in a cultural context.

(3/45/0/0/0/0/0/0/0/0/0/0)

**ARTS-1060**

**Introduction to Art History & Criticism II**

**Satisfies a humanities requirement for AA or AS degree**

This course provides a survey of major works of art in all media from the Renaissance through Post-Modernism. Artistic styles will be discussed in relation to contemporary history, society, and culture. Individual works of art will be explored as well as the role of art and architecture in a cultural context.

(3/45/0/0/0/0/0/0/0/0/0/0)
ARTS-1200
Clay Animation
Clayimation is a project-based course that will cover the basics of beginning clay animation video production. This course will take the student through various aspects of stop motion animation using a variety of materials and techniques. Emphasis will be on conceptualization, creativity, and visual aesthetics. Developing characters, concepts, storyboarding, and production of several stop animations will be accomplished. This course will offer beginning skill development in the use of software and equipment to develop storyboards and stop motion animation including creating, importing, and sequencing media elements to create multimedia presentations.
(3/30/0/0/0/30/0/0/0/0/0)

ARTS-1550
Drawing I
This is a foundation course for anyone who wishes to learn to draw. The course, using a creative approach, includes visual training, technical procedure, and essentials in perspective using a variety of subject matter and drawing media. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/30/0/0/0/0/0)

ARTS-1580
Drawing II
This course is a continuation of ARTS-1550 with emphasis on implementing the knowledge and experience acquired previously in order to create works that demonstrate expertise in drawing. It will help develop and refine drawing techniques and concepts, as well as enhance the understanding of human anatomy for the purpose of artistic expression. Linear perspective, compositional structure, figure/ground integration, spatial perception, critical thinking, and analytical skills will all be emphasized. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/30/0/0/0/0/0)

ARTS-1650
Design Fundamentals I
This is a lecture-laboratory course studying the basic elements of design and their qualities, theories, and psychology. Application is by problem-solving and exploration of the elements and principles in two dimensional means and in a contemporary mode of expression. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/30/0/0/0/0/0)

ARTS-1680
Beginning Watercolor Painting
Prerequisite: ARTS-1550 or instructor consent
This course is a study of the watercolor medium in painting to include color, form, and texture. Though emphasis is on acquiring skill in the basic techniques, transparent and opaque, the course approach includes both disciplined realism and experimental creative expressionism. The student will work from objective reality and subjective imagination. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/30/0/0/0/0/0)

ARTS-2400
Painting I
Prerequisite: ARTS-1550
This is a foundation course in which problems are assigned as a means of allowing the student to come to terms with the technical and aesthetic aspects of oil painting. Emphasis is on handling the medium through actual involvement with the mergence of form, both objective description and subjective expression. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/30/0/0/0/0/0)

ARTS-2430
Painting II
Prerequisite: ARTS-2400
This course is a continuation of ARTS-2400 in which the student is expected to attempt more challenging work. Focus is on problems of composition and improving technical skill. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/30/0/0/0/0/0)

ARTS-2450
Figure Drawing
Prerequisite: ARTS-1550 and ARTS-1580 or instructor consent
This course is a continuation of ARTS-1550 and ARTS-1580 with emphasis on the human figure, both as a means of personal expression and objective reality. A series of visual assignments will be completed with live models as the subject. A variety of media will be used. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/30/0/0/0/0/0)
ARTS-2460
Sculpture I

Prerequisite: ARTS-1580 or instructor consent

This course provides an introduction to 3-D design principles and technical aspects as applied to sculpture-making processes. Students are introduced to the process of creating 3-D sculptures, from conceptual drawing to the technical aspects of production. The sculptural 3-D form and its expression in clay, plaster, stone, wood, and metal will be the focus of study. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/0/0/0/0/0)

ARTS-2600
Portfolio

Prerequisite: ARTS-1580 and ARTS-2430

This course will focus on preparing a cohesive body of work in a chosen medium or across media for a professional presentation. The course will emphasize individual investigation and discovery, as well as developing a personal style. Combining conceptual, critical, and creative thinking; strong technical and communication skills; and experimentation is strongly encouraged. Students will experience portfolio development as a process of continuous enhancement of self-awareness, learning and development. Additional studio hours may be necessary to complete assignments.
(3/30/0/0/0/0/0/0/0/0)

Automotive Technology

AUTO-1000
Intro to Automotive Technology

This class is an introduction to basic automotive technology for those individuals exploring the opportunity to become automotive mechanics or work in a related field. Students are exposed to a broad sampling of the various aspects of automotive technology in a hands-on environment.
(3/15/0/0/0/0/0/0/0/0)

AUTO-1100
Engine Repair I

This course covers types, designs, and theories of today’s automobile, agricultural, and commercial gas and diesel engines. Engine components, their function, and relationship to each other; shop safety; hand tools; precision instruments; engine principles; and engine restoration are included. This class addresses the bottom part of the engine, including the engine block and rotating assembly.
(3/20/0/0/0/0/0/0/0/0)

AUTO-1110
Engine Repair II

Prerequisite: AUTO-1100

This course covers types, designs, and theories of today’s automobile, agricultural, and commercial gas and diesel engines. Engine components, their function, and relationship to each other; shop safety; hand tools; precision instruments; engine principles; and engine restoration are included. This class addresses the top part of the engine, including cylinder heads and valve train.
(3/20/0/0/0/0/0/0/0/0)

AUTO-1120
Engine Removal & Reinstallation

This is an advanced-level course that provides the student with the necessary skills to perform engine removal and reinstallation in today’s automobile. This class will incorporate use of specialized equipment and proper safety procedures will be followed.
(2/15/0/0/0/0/0/0/0/0)

AUTO-1150
Automotive Internet & Computer Skills

This course covers all phases of computer (PC) use including, but not limited to, the Internet as related to the automotive industry, use of ALLDATA On Demand systems, S/P2 online safety training, and other automotive-related programs as needed.
(2/30/0/0/0/0/0/0/0/0)

AUTO-1210
Auto Parts Specialist

This course covers auto parts distribution, salesmanship and merchandising, inventory control, catalog indexing and use, price levels, communications with the public and suppliers, and solving customer/employee relations.
(2/30/0/0/0/0/0/0/0/0)

AUTO-1215
Service Advisor Specialist

This course introduces the student to the day-to-day job responsibilities of a service advisor. There is a focus on communicating with the public and solving customer/employee relations. The course will also address the management principles of human relations, employee motivation, and effective leadership practices.
(2/30/0/0/0/0/0/0/0/0)
AUTO-1235
Automotive Brake Systems
This course covers braking systems used in automotive, commercial, and agriculture vehicles. Emphasis is placed on braking system principles; wheel bearing service, and ABS components, operation, diagnosis, and service.
(3/30/0/0/0/0/0/0/0)

AUTO-1240
Suspension, Steering, & Alignment
This course covers suspension, steering, and wheel alignment used in automotive, commercial, and agriculture vehicles. Emphasis is placed on front and rear suspension, wheel balancing, spring and shock absorbers, steering systems (manual and power assist), and wheel alignment.
(3/30/0/0/0/0/0/0/0)

AUTO-1275
Automatic Transmission Fundamentals & Servicing
Co-requisite: AUTO-1300
This course will enable the student to understand the basic operation, maintenance, and in-car servicing of an automatic transmission/transaxle. The class will cover the basic components and major sections of an automatic transmission/transaxle and methods of transmitting power through the use of fluid, clutches, bands, and planetary gear sets. Maintenance and in-vehicle repairs/service will also be covered. Student may supply shop work, but it is not mandatory.
(3/30/0/0/0/0/0/0/0)

AUTO-1290
Manual Transmissions & Differential Axles
This course emphasizes the drive train system, including the theory and shop practice of automotive, commercial, and agriculture vehicles. Manual transmission/transaxle, clutch assembly, differential axle, drive shaft/u-joint, and four-wheel drive/all-wheel drive uses in automobile, commercial and agricultural vehicles are explained. Students may supply shop work, but it is not mandatory.
(3/30/0/0/0/0/0/0/0)

AUTO-1300
Advanced Automatic Transmissions
Co-requisite: AUTO-1275
This course is designed to enable the student to understand electronic automatic transmission and electronic torque converter operations. Automatic transmission removal and installation procedures and out-of-vehicle repairs are also covered.
(3/30/0/0/0/0/0/0/0)

AUTO-1330
Chassis Electrical Systems
This course covers the fundamentals of electricity, theory of electricity, and the proper use of electrical test equipment used for diagnosing electrical problems in the automotive field. The class will enable the student to test and diagnose electrical problems related to chassis electrical issues including the battery and starting system, charging system, cooling fans, and chassis related electrical wiring.
(3/30/0/0/0/0/0/0/0)

AUTO-1340
Automotive Body Electrical Systems
This course covers all types of electrical circuits and systems used in the automotive industry. The class will enable the student to understand the reading of electrical wiring diagrams, the proper repair procedures for both standard electrical circuits and CAN circuits, lighting (interior and exterior), circuit protection devices, horn operation, instrumentation, windshield wiper/washer operation, and supplemental restraint systems.
(3/30/0/0/0/0/0/0/0)

AUTO-1350
Automotive Heating & Air Conditioning
This course covers all phases of heating and air conditioning systems used in the automobile, commercial, and agriculture vehicle industry. Students may supply shop work, but it is not mandatory.
(4/45/0/0/0/0/0/0/0)

AUTO-1360
Automotive Air Conditioning R134-A
This course is designed to cover R-134A air conditioning systems used in the automobile, commercial, and agricultural vehicle industries. Upon successful completion of this course students will receive their Section 609 Refrigeration Certificate.
(1/15/0/0/0/0/0/0/0)

AUTO-1370
Ignition Systems
This course covers the different types of ignition systems used in the automotive industry. The class will enable the student to understand the operation and repair of the ignition system. This includes setting spark plug gap;
oscilloscope usage; theory and fundamentals of electronic and PCM ignition systems, including DI, DIS, and COP. Also covered are basic engine mechanical testing, both compression and cylinder leakage. Special service tools will be introduced to the student for use in diagnosing ignition system related problems.
(3/30/0/0/0/0/0/0/0/0/0)

AUTO-1375
Fuel Systems
This course covers the types of fuel systems used in the automotive industry, excluding diesel-powered vehicles. The class will enable the student to understand the operation and repair of modern fuel systems, including the operation of the six circuits of the carburetor and types of fuel pumps, tanks and lines, rails, injectors, filters, and pressure regulators. Special service tools will be introduced to the student for use in troubleshooting modern fuel systems related problems.
(3/30/0/0/0/0/0/0/0/0/0)

AUTO-1390
Computerized Engine Management Systems

Prerequisite: AUTO-1370
This course will enable the student to understand how computerized engine management systems are used to control fuel and ignition and maintain emissions of the automobile. This class will allow the student to use modern scan tools to diagnose problems within these different systems.
(3/30/0/0/0/0/0/0/0/0/0)

AUTO-1410
Emission Control Systems & Drivability

Prerequisite: AUTO-1375
This course will enable the student to understand all types of emission control systems used on the present-day automobile. The class will cover how automotive emission systems are used to reduce harmful environmental pollutants produced by the internal combustion engine. Special tools needed to test modern systems will be used.
(3/30/0/0/0/0/0/0/0/0/0)

AUTO-2500
Automotive Technology Internship

Prerequisite: Successful completion of 12 automotive technology credits and a 2.5 GPA in automotive technology coursework
Work experience is an important part of any educational program. This internship is intended to give students extended experience in solving real world problems while working under the supervision of an employer and instructor. All work is to be performed in accordance with industry standards and guidelines. Students may be compensated for the credits worked and will receive one (1) credit for each 60 credits worked up to three (3) credits.
(1-3/0/0/0/0/0/0/0/60-180)

AUTO-2600
High Performance Vehicle Construction I

Prerequisite: Due to the technical nature of the work in this course, the following criteria are required for enrollment:
• An AAS degree in Auto Body Technology or
• The completion of the first two semesters of an Auto Body Technology AAS program and concurrent enrollment in the 3rd semester as outlined in the catalog is required.
• A GPA of 3.0 in the related technical coursework.
• Or consent of the instructor.

This course is designed to allow the student the opportunity to bring together all of the skills learned during the first year of Automotive coursework. The student will have the chance to see how all the competencies relate and work together while constructing a high performance vehicle. This course will include the organization and management of a vehicle build and the construction of sub-assemblies.
Credit cannot be earned for both AUTB-2600 and AUTO-2600.
(3/15/0/0/0/0/0/0/0/0)

AUTO-2700
High Performance Vehicle Construction II

Prerequisite:
• AUTO-2600 or consent of the instructor
This course builds upon the skills used in AUTO-2600 as the project enters the final stages of completion, to include engine, drivetrain final assembly, and inspection. The student will be able to see, in a practical way, the application of the skills learned during the first year of automotive coursework. The student will continue to see how all the competencies relate and work together while completing the construction of a high performance vehicle. This course will continue to include the organization and management of a vehicle build to completion.
Credit cannot be earned in both AUTB-2700 and AUTO-2700.  
(3/15/0/90/0/0/0/0/0/0)

Aviation Maintenance

AVIA-1030  
**Ground School for Pilots**  
This course prepares the student for both the private and commercial pilot written tests. Topics such as aerodynamics, aircraft operation, aircraft weight and balance, meteorology, navigation and computation, and FAA regulations are covered in sufficient depth that the successful student can pursue an aviation career or flying goal.  
(3/45/0/0/0/0/0/0/0/0)

AVIA-1101  
**Ground Operations & Regulations**  
This course will introduce the student to the different fuels, procedures in refueling, ground handling, and safety precautions for towing and taxiing aircraft. Methods of tie down, removing ice, starting engines, and fire protection will also be covered. Students will be introduced to Title 14 of the Federal Code of Regulations and instructed in the use of forms, record keeping, airworthiness directives, certificates, and the identification and use of manufacturer’s maintenance manual.  
(3.5/37.5/0/45/0/0/0/0/0/0)

AVIA-1102  
**Applied Mathematics for Aviation**  
The student will be introduced to basic math; use negative and positive numbers; apply formulas to determine area and volume; solve ratio, proportion, and percentage problems; extract roots; and raise numbers to a given power. Includes an introduction to basic physics covering matter, fluids, work, power, energies, kinetic theory of gases, Bernoulli’s Theory, and simple machines.  
(3.5/45/0/22.5/0/0/0/0/0)

AVIA-1105  
**Aircraft Drawing, Fluid Lines, & Nav-Comm Systems**  
The student will be introduced to reading blue prints, graphs, and charts; interpret drawings and schematics as well as draft a simple sketch; identify rigid and flexible lines and the procedures to fabricate both types; and aircraft navigation and communication systems including types of antennas. The effects of static electricity and methods of protection will be included in this study.  
(3/30/0/45/0/0/0/0/0/0)

AVIA-1106  
**Materials, Processes, & Corrosion**  
This course will introduce the materials that are used in the construction of an aircraft and identification of select aircraft hardware. Included are a review of basic heat treat processes, methods to inspect aircraft structures, and precision measurements to determine the air worthiness of the aircraft. Discussed are different types of corrosion, as well as their causes and prevention. Provides an overview of cleaning agents and their use with various materials and how to apply protective coatings.  
(3.5/37.5/0/45/0/0/0/0/0)

AVIA-1109  
**Applied Electrical Science for Aviation Maintenance**  
This course will introduce the student to sources of electrical energy, electron theory, and Ohm’s Law. Electrical circuit diagrams will be studied along with multimeter use and battery servicing and testing.  
(4.5/52.5/0/45/0/0/0/0/0)

AVIA-1140  
**Airframe Phase IV**  
This course includes a study of several typical landing gear systems. Topics include shock absorbing systems, wheel alignment, brakes, anti-skid systems, wheels, bearings, tires, and tire balance. Safe jacking procedures are taught along with retraction checks. Emphasis is on safe work habits and procedures.  
(3/30/0/45/0/0/0/0/0)

AVIA-1150  
**Airframe Phase V**  
In this course, students learn procedures for the assembly and rigging of an aircraft using the manufacturer’s maintenance data and Type Certificate Data Sheets. Fixed and rotor wing is emphasized on flight characteristics and stability. Flight control operation and movement, as well as helicopter operation and rigging, are covered in this course. Aircraft fuels, fuel system inspection, maintenance repair, and safety are also included.  
(3/30/0/45/0/0/0/0/0)
AVIA-1160
Airframe Phase VI
This course provides a study of the vapor-cycle and air recycling and cooling in conjunction with cabin pressurization systems used in aircraft. Aircraft heating and oxygen system operations, maintenance, and repair complete the study of the environmental systems. Inspection of the airframe, in order to maintain an airworthy aircraft, meeting requirements of the Federal Aviation Administration, and the airframe manufacturer complete this course of study.
(3/40/0/55/0/0/0/0/0/0/0/0/)

AVIA-1202
Airframe Structures I
The student will be introduced to aircraft structures, including riveting, and special fasteners for metallic, bonded, and composite structures. Also included in this course are how to inspect, check, service, and repair windows, doors, and interior furnishings.
(2.5/15/0/67.5/0/0/0/0/0/0/0/0/)

AVIA-1203
Airframe Structures II
The student will continue exploring aircraft structures. This includes metal alloys used, development of sheet metal skills and metal forming and repairs. This class allows the opportunity to develop skills through the completion of numerous hands-on projects.
(2/7.5/0/67.5/0/0/0/0/0/0/0/0/)

AVIA-1204
Airframe Structures III
This course introduces the student to the wood structures used in aircraft construction. A review of the inspection of wood to determine airworthiness is included. This course also introduces the students to sheet metal used in the fabrication of aircraft. Repair of sheet metal to ensure airworthiness is stressed. Materials used in composite construction and the health and safety concerns related to them are also covered.
(3/30/0/45/0/0/0/0/0/0/0/0/)

AVIA-1205
Airframe Structures IV
This course introduces the student to the different fabrics, paints, and finishes included in the aircraft construction. This includes application of these products as well as inspection to ensure airworthiness. Also included is technical information related to welding of aluminum, stainless steel, magnesium, titanium, and steel. Soldering, brazing, gas, and arc welding will also be studied.
(2.5/26.25/0/33.75/0/0/0/0/0/0/0/0/)

AVIA-1210
Powerplant Phase I
In this course, the student is introduced to the principles of heat engines, energy transformation, volumetric efficiency, and the 4-stroke 5-event engine. Factors affecting power, requirements, and configurations of piston engine construction methods, materials, and nomenclature are covered. The student is able to explain piston engine theory, energy transformation, as well as calculate horse power, valve timing, and compression ratios. The student is also able to explain factors affecting volumetric efficiency and identify all reciprocating engine parts.
(3/30/0/45/0/0/0/0/0/0/0/0/)

AVIA-1220
Powerplant Phase II
This course is designed to develop the competence necessary to maintain, troubleshoot, and repair both reciprocating/turbine engine ignition and starting systems. Students study low and high tension ignition systems, repair magnetos and ignition harnesses, test spark plugs, use the appropriate manuals, and test equipment to perform these functions. The ignition system is properly installed on an operational engine, which the student starts and operates. Correct troubleshooting procedures are observed.
(3/30/0/45/0/0/0/0/0/0/0/0/)

AVIA-1230
Powerplant Phase III
This course introduces the theory and operation of fuel metering used in aviation powerplants, as well as the fuel systems that deliver the fuel to the metering device. A comprehensive study of aviation fuels is also covered. Fire protection systems are included in this course of study. Inspection, check, service troubleshooting and repair of these systems concludes the course.
(3/30/0/70/0/0/0/0/0/0/0/0/)

AVIA-1240
Powerplant Phase IV
This course is dedicated to the inspection, repair, and development of overhaul skills, assembly, and return to service procedures. The use of overhaul data and inspection techniques, including non-destructive inspections, are emphasized. Items covered include principles and characteristics of lubricants, their
importance to engine life, and how maintenance procedures may increase the life of a piston engine. The correct lubricant for an engine and accessories is discussed, and engine data is researched to locate information related to using the correct products.

(6/60/0/90/0/0/0/0/0/0/0/0)

AVIA-1250
Powerplant Phase V
In this course, the student is introduced to the procedures used in the inspection of turbine and reciprocating engines. The use of applicable regulations and manufacturer’s guidelines are covered. Other topics covered include the principles of engine electrical systems; the components, types, controls, and wiring systems; wiring diagrams; and using instrumentation to diagnose system or component failure. Instruction on propeller theory, governing systems, ice protection, and maintenance and repair are included in this course.

(6/60/0/90/0/0/0/0/0/0/0/0/0)

AVIA-1260
Powerplant Phase VI
This course reviews the history and development of the jet engine and it’s operating principles. The Brayton cycle is compared to the four-stroke engine in thermodynamics and components. A study of an engine compressor and turbine section design and efficiency provide the student with a comprehensive understanding of the engine. Variations of the turbine engine are reviewed as auxiliary power units, unducted fans, turboprop, turbo shaft, and high bypass fans. Reciprocating and turbine engine induction, exhaust, and instrumentation complete this course.

(6/70/0/120/0/0/0/0/0/0/0/0/0)

AVIA-1301
Airframe Systems I
This course will introduce aircraft instrument construction and standby systems. Engine instruments and maintenance of these systems will be included in this course of study. Includes exposure to the warning systems of the aircraft, anti-skid brake controls, and anti-collision systems. Maintenance procedures will be included in this phase of study.

(1.5/15/0/22.5/0/0/0/0/0/0/0/0/0)

AVIA-1302
Airframe Systems II
This course provides an introduction to aircraft electrical systems and their components. This includes electrical schematics, batteries and test equipment, inspections, troubleshooting, and maintenance. This course outlines the different classes of fires, types of detection systems, and numerous extinguishing agents. It also includes a discussion of repair techniques related to fires.

(3.5/37.5/0/45/0/0/0/0/0/0/0/0)

AVIA-1303
Airframe Systems III
This course covers the principles of the hydraulic systems used in aircraft. Mechanical advantages and the types of fluids and seals used are covered. The course includes a study of all pneumatic systems in large and small aircraft. Inspection of the airframe ice and rain control systems are also covered.

(3.5/37.5/0/45/0/0/0/0/0/0/0/0)

AVIA-2302
Airframe Systems IV
This course covers aircraft wheels, tires, brake assemblies, and landing gear. Maintenance manuals and service bulletins will be used as reference for inspections and maintenance of landing gear and related systems.

(3/30/0/45/0/0/0/0/0/0/0/0/0)

AVIA-2305
Airframe Systems V
This course introduces the assembly of aircraft and offers a review of aerodynamics, control surface functions, structure alignment, control cables, and hardware identification. Also covered are the principles of fuel systems operations, inspection and operational checks, and the servicing and troubleshooting of the aircraft fuel system.

(3/30/0/45/0/0/0/0/0/0/0/0/0)

AVIA-2307
Airframe Systems VI
This course covers the 100-hour, annual, and progressive inspection procedures. A review of how to research and use written data to ensure aircraft airworthiness is included. This course introduces cabin heating, cooling, and ventilation systems, and includes the air-cycle, vapor-cycle, air conditioning, cabin pressurization, and oxygen systems.

(4/30/0/75/0/35/0/0/0/0/0/0/0)

AVIA-2401
Engine Cooling & Reciprocating Theory
This course covers the principles of heat engines, energy transformation, and the four-stroke engine. Factors affecting power, volumetric efficiencies, construction
methods, materials, and nomenclature will also be covered. Methods of cooling in piston and turbine engines will be taught along with troubleshooting and maintenance of the cooling system for aircraft engines.

(3/30/045/0/0/0/0/0/0/0)

**AVIA-2402**

**Powerplant: Reciprocating Engine Maintenance**

This course covers the techniques required to determine engine condition, disassemble, inspect, check and repair a reciprocating engine. Students are instructed in the use of manufacturers’ data and precision tools to enable them to repair and replace parts and reassemble the engine for block testing.

(4/37.5/0/67.5/0/0/0/0/0/0)

**AVIA-2403**

**Powerplant: Turbine Engines**

This course includes a presentation of internal combustion engine theory as it relates to an aviation turbine engine and other thrust engines. Discussion related to nomenclature, construction techniques, and gas flows are included in this course. Students are coached in the inspection of engine parts for damage and failures along with discussions related to factors impacting turbine engine life. Also covered are the construction techniques, general operations, testing methods, and uses of the auxiliary power units. The turbine-driven, unducted fan or ultra-high bypass propeller fan are covered in this class. Information related to fuel efficiency and the fan’s ability to power the medium-sized air carrier aircraft is included.

(4/45/0/45/0/0/0/0/0/0)

**AVIA-2500**

**Aviation Internship**

The internship is a cooperative agreement with Western Nebraska Community College and an industry partner. This internship program provides valuable hands-on learning experiences in aspects of the operations of the industry partner. The internship program provides students the opportunity to apply information from classes to real life experiences. Students are able to explore career opportunities that are available and gain valuable work experience.

(3/0/0/0/0/0/0/0/0/0)

**AVIA-2501**

**Powerplant Systems I**

This course covers several fire detection and protection systems, explaining the theory and operation of each. How to inspect, maintain, and service these systems is the focus. Emphasis is placed on safety precautions related to the systems. The course also includes information related to the maintenance, repair, and service of the fuel and fuel metering systems used in reciprocating and turbine engines.

(4/45/0/45/0/0/0/0/0/0)

**AVIA-2502**

**Powerplant Systems II**

This course covers how to use appropriate data to make a determination of airworthiness for an aircraft engine. It includes a review of the different types of inspections and methods of returning an engine to service. Also covered are how to properly record all the steps in the maintenance process for the permanent record, the operating principles of engine instrument systems, and an introduction to the various types of induction systems for piston and turbine engines, including subsonic and supersonic induction systems.

(4.5/45/0/67.5/0/0/0/0/0/0)

**AVIA-2503**

**Powerplant: Electrical**

This course is an in-depth study of engine electrical generators, motors, regulators, and electrical wiring. Included in this course is the interpretation of electrical diagrams, use of testing equipment, and troubleshooting of electrical systems. Demonstration of the inspection, maintenance, and repair of engine electrical systems are also included in this course.

(3/30/0/45/0/0/0/0/0/0)

**AVIA-2504**

**Powerplant: Lubrication**

This course introduces the theories of lubricants and engine lubrication and construction. The course covers the different types of lubricating oils, engine maintenance, and troubleshooting of the lubricating systems. The student is coached in the use of maintenance data to determine engine condition and airworthiness.

(1.5/15/0/22.5/0/0/0/0/0/0)

**AVIA-2505**

**Engine Ignition**

This course is a study of reciprocating and turbine engine ignition and starting systems. Inspection, maintenance, troubleshooting, and repair of these systems are covered.

(3.5/37.5/0/45/0/0/0/0/0/0)
AVIA-2511
Powerplant Propellers
The course is a complete presentation of piston and
turbine powered propellers and their auxiliary systems.
Nomenclature, theory of operation, inspection,
maintenance, troubleshooting, and repair procedures are
also covered.
(3/3/0/0/0/0/0/0/0/0/0/0/0/0)

Biological Sciences

BIOS-1000
Basic Nutrition
This course is intended for students who need to learn
basic nutritional information. Included are the basic
nutrients, their functions, food sources, and the effect
of deficiencies.
(3/4/5/0/0/0/0/0/0/0/0/0/0/0)

BIOS-1010
General Biology
Co-requisite: BIOS-1010L
This course covers fundamental processes of cells and
organisms, cell structure, genetics, biotechnology,
evolution, classification, diversity, and interaction of
organisms at the molecular, cellular, organismic,
ecosystem, and biosphere level. It is designed as both a
course for non-majors and as a foundation course for
those planning additional work in biology. Includes a lab.
(4/4/5/0/0/0/0/0/0/0/0/0/0/0)

BIOS-1010L
General Biology Lab
Co-requisite: BIOS-1010

BIOS-1100
Environmental Science
Co-requisite: BIOS-1100L
This course presents a background on ecology as a basis
for understanding the pollution problems in the
environment. Topics covered include air, water, soil, solid
waste, noise, and radiation pollution. Also included is a
discussion of population growth, wildlife management,
and controlling agencies involved in environmental protection.
(4/4/5/0/0/0/0/0/0/0/0/0/0/0)

BIOS-1100L
Environmental Science Lab
Co-requisite: BIOS-1100

BIOS-1160
Introduction to Human Anatomy & Physiology
Prerequisite: ENGL-0065, ENGL-0070, or
ACCUPLACER® (or other appropriate placement exam)
Co-requisite: BIOS-1160L
This is an introductory course in human body structure
and function. Emphasis is placed on anatomy, with
attention also given to physiology, as related to the ten
body systems.
Credit cannot be received for both BIOS-1160 and BIOS-
2250.
(4/4/5/0/0/0/0/0/0/0/0/0/0/0)

BIOS-1160L
Introduction to Human Anatomy & Physiology
Lab
Co-requisite: BIOS-1160

BIOS-1300
General Botany
Prerequisite: BIOS-1010
Co-requisite: BIOS-1300L
This course covers structure and taxonomical relationships
among the major plant groups in addition to investigations
of their physiological processes.
(4/4/5/0/0/0/0/0/0/0/0/0/0/0)

BIOS-1300L
General Botany Lab
Co-requisite: BIOS-1300

BIOS-1380
General Zoology
Prerequisite: BIOS-1010 and BIOS-1010L or BIOS-1540
and BIOS-1540L
Co-requisite: BIOS-1380L
The characteristics and relationships of the major animal
groups from protozoa through the mammals are discussed
in this course.
(4/4/5/0/0/0/0/0/0/0/0/0/0/0)
BIOS-1380L
General Zoology Lab
Co-requisite: BIOS-1380

BIOS-2000
Introduction to Scientific Research
Prerequisite: BIOS-1010, CHEM-109, ENGL-1010, GEOL-1010, or PHYS-1410
This course prepares students for a career in scientific research. Students begin to identify their goals as scientists and discover pathways to meet these goals. Students also become more acquainted with the processes used in scientific discovery. Over the course of the semester, students identify centers of scientific research in areas of interest, prepare curriculum vitae, conduct a literature review, and communicate research plans in both written and oral form.
(1/15/0/0/0/0/0/0/0/0/0/0/0)

BIOS-2050
Nutrition & Diet Therapy
Prerequisite: BIOS-1010, BIOS-1160, BIOS-2250, or LPNR-1110
Co-requisite: BIOS-1160 or LPNR-1110
This course is intended for students who need to learn basic nutritional information for the medical field. Included are the basic nutrients and their functions, food sources, and the effect of deficiencies. There is an emphasis on correct information to combat food faddism. Planning for normal nutrition through the life cycle and special needs of the elderly, children, and pregnant women is discussed, as well as sanitation of food, legislation, and labeling as it affects the food supply.
(3/45/0/0/0/0/0/0/0/0/0/0)

BIOS-2051
Diet Therapy
The purpose of this course is to provide an additional hour of Nutrition/Diet Therapy to an incoming student who has completed a 2-hour nutrition class at another institution. The WNCC LPN prerequisite is a three (3) credit hour class that includes both nutrition and diet therapy.
(1/15/0/0/0/0/0/0/0/0/0/0)

BIOS-2120
Genetics
Prerequisite: BIOS-1010 and BIOS-1010L or BIOS-1540 and BIOS-1540L
Co-requisite: BIOS-2120L
This course is a study of inheritance patterns, gene composition, variations, and action. Mechanisms of transmission, molecular genetics, and population genetics are covered. Practical applications in medicine, agriculture, and biotechnology and hands-on laboratory experience with plants, animals, microbes, and electrophoresis are provided.
(4/45/30/0/0/0/0/0/0/0/0/0)

BIOS-2120L
Genetics Lab
Co-requisite: BIOS-2120

BIOS-2250
Human Anatomy & Physiology I
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
Co-requisite: BIOS-2250L
Topics covered in this course include an introduction to human anatomy and physiology, including the chemical basis of life; cells; cellular metabolism, tissues; skeletal, integumentary, joint, muscular, and nervous systems; and somatic and special senses. Credit cannot be received for both BIOS-1160 and BIOS-2250.
(4/45/30/0/0/0/0/0/0/0/0/0)

BIOS-2250L
Human Anatomy & Physiology I Lab
Co-requisite: BIOS-2250

BIOS-2260
Human Anatomy & Physiology II
Prerequisite: BIOS-2250
Co-requisite: BIOS-2260L
This course is a continuation of BIOS-2250. Topics covered include the structure and function of the circulatory, respiratory, digestive, endocrine, reproductive, and excretory systems. Also included is a study of the fluid electrolyte and pH balances of the body.
(4/45/30/0/0/0/0/0/0/0/0/0)
BIOS-2260L  
Human Anatomy & Physiology II Lab  
Co-requisite: BIOS-2260

BIOS-2460  
Microbiology  
Prerequisite: BIOS-1010, BIOS-1160, BIOS-2250, or LPNR-1110  
Co-requisite: BIOS-2460L

This course is a study of microbiology with emphasis on structure of microbial cells, their nutrition and growth, control of growth, genetics and genetic engineering, metabolic and biosynthesis activity, and host-parasite interactions. Accompanying laboratory study emphasizes microbiological techniques including microbial control and manipulation.  
(4/45/30/0/0/0/0/0/0/0/0/0)

BIOS-2460L  
Microbiology Lab  
Co-requisite: BIOS-2460

BIOS-2500  
Biological Sciences Internship  
Prerequisites:  
• Declared AS major  
• 12 hours of science credit (BIOS, CHEM, or PHYS, with BIOS preferred)  
• GPA of 2.5 in science courses

This internship is a cooperative agreement with WNCC and community partners and provides valuable hands on learning experience. The student is fulfilling academic requirements of an established program in the biological sciences, pre-veterinary medicine, horticulture, or related disciplines. The internship gives students the opportunity to apply information from classes to real life experiences and explore career opportunities, and gain valuable work experience, which can prove to be very valuable in the job market if the student intends to pursue a career in the biological sciences upon graduation.  
Students may be compensated for the hours worked and will receive one (1) credit for each 60 hours worked up to three credits.  
This course may be repeated for a total of 12 credits.  
(1/3/0/0/0/0/0/0/0/0/0/0/60-180)

Business Administration

BSAD-1050  
Introduction to Business  
This course offers an introductory study and overview of the role of business in society as well as a discussion of the various disciplines of business including an overview of business organization, management, marketing, human resource management, and finance. There is also a study and discussion of various strategies for success of specific public and private firms as well as small business. Business vocabulary is used to understand, analyze, and interpret business news and information.  
(3/45/0/0/0/0/0/0/0/0/0/0)

BSAD-1210  
Business Communications  
Prerequisite: ENGL-0050 or ACCUPLACER® (or other appropriate placement test)

The student is introduced to the foundations of written and verbal communication. Students practice the writing process in letters, memos, emails, reports, and proposals. Presentation skills are introduced. The employment process is covered. Keyboarding skills are recommended.  
(3/45/0/0/0/0/0/0/0/0/0/0)

BSAD-2070  
Salesmanship  
This course is designed to introduce the student to sales in the marketing world. Emphasis is placed on selling as a rewarding career, the role of the salesperson, types of selling jobs, and consumer relationships.  
(3/45/0/0/0/0/0/0/0/0/0/0)

BSAD-2100  
Managerial Finance  
Co-requisite: ACCT-1210

This class is designed to provide the student with the basic knowledge of finance. It provides the principles and tools needed to make important decisions in finance, namely capital budgeting and financing decisions. The major topics include time value of money, stock and bond valuation, investment decision criteria, the capital asset pricing model (CAPM), and cost of capital. This class provides students with a broad overview of the field of finance.  
(3/45/0/0/0/0/0/0/0/0/0/0)
BSAD-2110
Retailing
This course emphasizes the managerial study of retailing, plus the organization, structure, and distribution channels of retail agencies.
(3/45/0/0/0/0/0/0/0)

BSAD-2120
Advertising
This course is designed to introduce the student to major issues in modern advertising promotion.
(3/45/0/0/0/0/0/0/0)

BSAD-2220
Supervisory Management
This course provides students with an understanding of the management functions supervisors must perform. Students receive solid theory and practical application that reinforces the theme: the essence of supervisory management is working with and through people. Through comprehensive cases and illustrations, the student examines the interrelationship of key management concepts.
(3/45/0/0/0/0/0/0/0)

BSAD-2420
Career Development Capstone
This course teaches the student how to prepare a professional-looking resume, cover letter, and reference sheet as well as how to address necessary follow-up correspondence in the employment process. Interviewing, business etiquette and protocol, salary negotiation, effective telephone techniques, portfolio development and use, projecting a professional image, human relation skills, and personality-type indicators are additional topics featured. Keyboarding skills are recommended.
(3/45/0/0/0/0/0/0/0)

BSAD-2450
Business Ethics
This course is an analysis of how business and society interact through the study of consumerism, technology, and ethical and moral conviction. It is also an introduction to the concept of business ethics, an overview of major ethical issues that businesses face today, and a discussion of moral philosophy through an understanding of classical and contemporary ethical theories.
(3/45/0/0/0/0/0/0/0)

BSAD-2500
Business Law I
This is a course designed to be of practical value regardless of the subsequent occupation of the student. The course covers social forces and the law, classes and sources of law, agencies for enforcement, and court procedure. The entire area of contracts—offer, acceptance, consideration, illegality, interpretation, transfer of rights, discharge, and breach of contract—is discussed.
(3/45/0/0/0/0/0/0/0)

BSAD-2520
Principles of Marketing
This course is a study of the development of an effective marketing program including consumer behavior, product, pricing, distribution, and promotional strategies.
(3/45/0/0/0/0/0/0/0)

BSAD-2540
Principles of Management
This course provides an introduction to management theory and practice with emphasis on the primary functions of planning, organizing, leading, and controlling. Topics will include the ever-changing challenges and opportunities within the management field.
(3/45/0/0/0/0/0/0/0)

BSAD-2600
International Business
This course provides a broad overview of the field of international business and associated activity and theory. Students will be introduced to the essential factors that influence global commerce. These include the global economic and financial environment, international institutions, trade policy issues, major international environmental forces (e.g., financial, economic and socioeconomic, physical, socioeconomic, political, legal, etc.), and strategic management issues related to doing business in the international environment.
(3/45/0/0/0/0/0/0/0)

BSAD-2650
E-Commerce
This course is designed to study the application of technology to business basics. The course introduces students to the use of the internet to create an e-world where business decisions revolve around e-entrepreneurship, e-business economics, e-communications, e-marketing, e-commerce finance, e-retailing, e-business
consumers, e-commerce promotion, and e-commerce distribution.

(3/4/0/0/0/0/0/0/0/0/0/0)

Business Technology

BSTC-1100
Personal Finance
This is a basic course in the management of personal finances with emphasis given to financial planning, budgets, credit management, savings, tax planning, insurance, home-ownership, and investments.
(3/4/0/0/0/0/0/0/0/0/0/0)

BSTC-1500
Business Mathematics
Prerequisite: ACCUPLACER® (or other appropriate placement exam)
This course consists of instruction in the fundamentals of mathematics as applied to business situations. The course includes the study of fundamental mathematics and calculations for finance and accounting.
(3/4/0/0/0/0/0/0/0/0/0/0)

BSTC-2330
Records Management
Each phase of the life of records is studied from record creation to disposal. Indexing systems, equipment, supplies, and physical conditions for various types of records are reviewed. This course stresses the importance of record control as an administrative function. A manual packet as well as a computerized database simulation is covered for a thorough study.
(3/4/0/0/0/0/0/0/0/0/0/0)

BSTC-2340
Office Management
In this course, the student learns how to plan and organize an office, how to control office operations, and how to work effectively with people. Students also learn the fundamentals of time, conflict, and stress management.
(3/4/0/0/0/0/0/0/0/0/0/0)

BSTC-2500
Office Internship I
Work experience is an important part of any educational program. This course offers a student, referred to as an “intern,” the opportunity to gain valuable hands-on experience in an office environment by working in a supervised office position. Students are compensated for their credits worked and receive one (1) credit for each 60 credits worked up to three (3) credits.
(1-3/0/0/0/0/0/0/0/0/0/0/0)

BSTC-2540
Office Internship II
Work experience is an important part of any educational program. This course offers a student, referred to as an “intern,” the opportunity to gain valuable hands-on experience in an office environment by working in a supervised office position. Students are compensated for their credits worked and receive one (1) credit for each 60 credits worked up to three (3) credits.
(1-3/0/0/0/0/0/0/0/0/0/0/0)

Chemistry

CHEM-1050
Introductory Chemistry
Prerequisite: MATH-0160 and ENGL-0070 or ACCUPLACER® (or other appropriate placement exam)
Co-requisite: CHEM-1050L
This is an introductory course stressing concepts and qualitative understanding of the principles of chemistry. This course is designed for students requiring only one (1) semester or one (1) year of chemistry and is recommended for students in agriculture, forestry, home economics, nursing, environmental technology, and other non-majors. It is not recommended for pre-engineering, pre-medicine, pre-dental, pre-pharmacy, or other majors requiring more than two (2) semesters of chemistry.
(4/0/0/0/0/0/0/0/0/0/0/0)

CHEM-1050L
Intro to Chemistry Lab
Co-requisite: CHEM-1050

CHEM-1090
General Chemistry I
Prerequisite: MATH-1010 or ACCUPLACER® (or other appropriate placement exam)
Co-requisite: CHEM-1090L
This course offers a study of basic chemical concepts including atomic structure, stoichiometry, reactions in aqueous solution, chemical periodicity, gases, and chemical bonding and molecular structure and thermochemistry. One (1) year of high school chemistry is recommended.
(4/0/0/0/0/0/0/0/0/0/0/0)
Collision Repair & Refinish Technology

AUTB-1000
Collision Repair Tools & Safety
This is an entry-level class designed to provide the student with information on how to identify potential hazards in the auto body field and the procedures necessary to perform repairs in a safe and efficient manner. The course will also train the students in correct tool nomenclature, selection, and usage.
(1/15/0/0/0/0/0/0/0/0/0/0/0/0/0)

AUTB-1005
Refinish Equipment & Environmental Practices
This is an entry-level class designed to provide the student with knowledge related to identifying correct environmental practices in the use and disposal of auto refinish materials. The course will cover procedures necessary to perform refinish repairs in a safe and efficient manner. This course will also train the student in correct tool nomenclature, selection, and usage when refinishing a vehicle.
(1/15/0/0/0/0/0/0/0/0/0/0)

AUTB-1015
Basic Metal Repair
Co-requisite: AUTB-1100
This technical course covers the basic damage conditions resulting from impact, its classification, physical effect, analysis, and methods of repair. This course also covers the basic repair of sheet metal and introduces the use of the basic tools required in straightening operations.
(3/30/0/45/0/0/0/0/0/0/0)

AUTB-1100
Non-Structural Panel Alignment
Co-requisite: AUTB-1000
This is an entry-level class into the auto body field. The student will learn the different methods of auto construction used by auto manufacturer and how to align and replace bolts on body components.
(3/30/0/45/0/0/0/0/0/0/0)

AUTB-1200
Plastics & Adhesives
This course is designed to introduce the student to the various types of plastics used in the automotive industry. It
will show how to identify the type of plastic/s and the methods employed to repair these plastics.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-1220
Electrical & Mechanical Components
This course covers the electrical and mechanical systems that might be damaged in a collision. It also covers the personal restraint systems that are currently used by automakers. This includes the supplemental inflatable restraints (air bags) in use on newer model cars and light trucks. The student learns the proper methods of diagnosing and repairing the electrical and mechanical systems on vehicles.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-1320
Refinish Preparation
Co-requisite: AUTB-1005
This is an entry-level course into automotive paint and refinishing. The student will learn how to evaluate the surface and choose the proper methods and materials to refinish cars and light trucks. This course will cover the methods used to prepare the different substrates used on modern vehicles.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-1330
Refinish Materials & Application
Co-requisite: AUTB-1320
This course will advance the student further into the area of automotive paint and refinishing. The student will learn how to identify, select and apply the proper top coats to refinish cars and light trucks. This course will cover the setup and use of refinish equipment to refinish the different substrates used on modern vehicles.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-2010
Advanced Metal Repair
Co-requisite: AUTB-1015
This technical course covers the basics of installing metal patch panels, pre-made or fabricated, to repair areas affected by impact and corrosion. This course also covers the different types of joining methods used to install these panels.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-2050
Collision Forces Theory & Damage Identification
Prerequisite: AUTB-2300 highly recommended
This is an advanced course that builds upon the knowledge gained in AUTB-2300 to identify and understand the forces that are involved in a collision, how they travel through the vehicle and relate to damage in unitized and body over frame vehicles.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-2300
Welded Panel Replacement & Corrosion Protection
Co-requisite: AUTB-2010
This course will cover the removal and installation of welded panels, such as quarter panels, roof skins, door skins and other non-structural weld-on panels. It will also provide information and installation methods needed to restore the corrosion protection applied by the vehicle manufacturer to insure a safe and lasting repair.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-2330
Color Theory & Finish Matching
Co-requisite: AUTB-1330
This course is designed to take the student one step further in the development of paint and refinish skills. The student will learn to match colors, as well as the finish texture of the final product to match the increasingly difficult colors used by auto manufacturers. This course will also begin to develop the skills necessary to meet the demands of customers.

(3/30/0/45/0/0/0/0/0/0/0/0/0/0)

AUTB-2340
Advanced Paint Application
Co-requisite: AUTB-2330
This course is designed to take the student one step further in the development of paint and refinish skills. The student will learn to use new spray techniques to match the increasingly difficult colors used by auto manufacturers. The course will also provide the skills needed to identify and correct paint defects already present on the vehicle or those that can occur during the paint application process.

(3/15/0/45/0/0/0/0/0/0/0/0/0/0)
AUTB-2350
Structural Analysis & Straightening Equipment
Co-requisite: AUTB-2050
This course builds upon the knowledge gained in AUTB-2050. It will cover the make-up of a vehicle chassis and methods used to locate and identify the different types of damage that can occur to the structure/frame. The student will be introduced to manual and computerized measuring systems as well as various types of frame straightening equipment.
(3/30/0/0/0/0/0/0/0)

AUTB-2360
Special Finishes
Prerequisite: AUTB-2340 or permission of instructor
This course is designed for the student who has already taken AUTB-2340 or has prior automotive paint experience and is interested in learning the skills required to produce high quality, custom paint finishes. The student will learn the methods of design and application of graphic designs and have the opportunity to learn some basic air brush techniques. This course will also cover TRI-STAGE paint systems.
(3/30/0/0/0/0/0/0/0)

AUTB-2420
Structural Repair Processes
Prerequisite: AUTB-2350
This course is designed to take the student to a more advanced, hands-on level of the procedures involved in repairing the structural components of full frame and unibody vehicles. Students will sharpen the skills learned in AUTB-2350, allowing them to be proficient in identifying and reversing the effects of a collision.
(3/30/0/0/0/0/0/0/0)

AUTB-2450
Structural Component Replacement
Co-requisite: AUTB-2420
This course will lead the student through the completion of a structural repair by introducing procedures needed to replace structural components after the frame has been straightened. It will demonstrate the importance of accurate measuring and straightening of the vehicle’s structure to ensure proper fit and alignment of structural replacement components.
(3/30/0/0/0/0/0/0/0)

AUTB-2500
Auto Body Technology Internship
Prerequisite: Successful completion of 12 auto body technology credits and 2.5 GPA in auto body technology coursework
Work experience is an important part of any educational program. This internship is intended to give students extended experience in solving real world problems while working under the supervision of an employer and instructor. All work is to be performed in accordance with industry standards and guidelines. Students may be compensated for the credits worked and will receive one (1) credit for each 60 credits worked up to three (3) credits.
(1-3/0/0/0/0/0/0/0/0/60-180)

AUTB-2600
High Performance Vehicle Construction I
Prerequisite: Due to the technical nature of the work in this course, the following criteria are required for enrollment:
- An AAS degree in Auto Body Technology or
- The completion of the first two semesters of an Auto Body Technology AAS program and concurrent enrollment in the 3rd semester as outlined in the catalog is required.
- A GPA of 3.0 in the related technical coursework.
- Or consent of the instructor.
This course is designed to allow the student the opportunity to bring together all of the skills learned during the first year of Auto Body coursework. The student will have the chance to see how all the competencies relate and work together while constructing a high performance vehicle. This course will include the organization and management of a vehicle build and the construction of sub-assemblies.
Credit cannot be earned in both AUTB-2600 and AUTO-2600.
(3/15/0/0/0/0/0/0/0/)

AUTB-2700
High Performance Vehicle Construction II
Prerequisite: AUTB-2600 or consent of the instructor
This course builds upon the skills used in AUTB-2600 as the project enters the final stages of completion, to include; body, paint, final assembly, and inspection. The student will be able to see, in a practical way, the application of the skills learned during the first year of collision repair and refinish coursework. The student will continue to see how all the competencies relate and work
together while completing the construction of a high performance vehicle. This course will continue to include the organization and management of a vehicle build to completion.

Credit cannot be earned in both AUTO-2700 and AUTO-2700.
(3/15/0/0/0/0/0/0/0/0)

CRIM-1010
Introduction to Criminal Justice
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course offers an overview of the history, development, and philosophies of crime control within a democratic society. It examines the criminal justice system with emphasis on the police, the prosecution and defense, the courts, and the correctional agencies.
(3/45/0/0/0/0/0/0/0/0)

CRIM-1015
Introduction to Jail Operations
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course is designed to help students develop a general understanding of the jail and its role in American society. Students explore problems and issues facing contemporary jail administrators and staff and have the opportunity to tour jails in the region and dialogue with jail administrators and staff about problems and challenges. This course is for current employees of or students who have an interest in the field of corrections.
(3/45/0/0/0/0/0/0/0/0)

CRIM-1020
Introduction to Corrections
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course outlines corrections in a systematic process showing the evolving changes within institutional and community-based corrections. Topics include, but are not limited to: the history of corrections; the influence of social thought and philosophy on the development of corrections; the rights of the incarcerated inmate; and the duties of the correctional officer.
(3/45/0/0/0/0/0/0/0/0)

CRIM-1030
Courts & the Judicial Process
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course offers a survey of the United States judicial system. Topics include, but are not limited to, legal and constitutional concepts, institutions, and processes. Coverage includes adult and civil courts.
(3/45/0/0/0/0/0/0/0/0)

CRIM-1140
Reporting Techniques for Criminal Justice
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
The student learns to observe and document the behavior of crime victims, witnesses, and suspects. The student also learns to accurately describe and record conditions and activities or crime scenes for courtroom presentations. In accordance with the legal guidelines of confidentiality, each student maintains a log of classroom and field experiences.
(3/45/0/0/0/0/0/0/0/0)

CRIM-1500
Assessment Prior Criminal Justice Learning
This course is designed to assist students in evaluating their police and/or correctional officer academy training in relation to courses offered by WNCC. For certified police officers and correctional officers only.
(1/15/0/0/0/0/0/0/0/0)

CRIM-2000
Criminal Law
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course outlines the purpose and function of criminal law. Topics include, but are not limited to: the rights and duties of citizens and police in relation to local, state, and federal law (i.e. arrest, search and seizure, confessions); and the development, application, and enforcement of laws, constitutional issues, and sentencing.
(3/45/0/0/0/0/0/0/0/0)

CRIM-2030
Police & Society
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course is intended to examine the role of the police in relationship between law enforcement and American society. Topics include, but are not limited to: the role
and function of police; the nature of police organizations and police work; and patterns of police and community relations.
(3/45/0/0/0/0/0/0/0/0)

CRIM-2060
Criminal Justice Internship I
This course offers the student the opportunity to gain valuable hands-on experience in an actual criminal justice setting by working in a law enforcement department. Students have the opportunity to rotate through the entire agency based on a protocol developed by the department head.
(1/0/0/0/0/0/0/0/0/60)

CRIM-2061
Criminal Justice Internship II
This course offers the student the opportunity to gain valuable hands-on experience in an actual criminal justice setting by working in a law enforcement department. Students have the opportunity to rotate through the entire agency based on a protocol developed by the department head.
(2/0/0/0/0/0/0/0/0/120)

CRIM-2062
Criminal Justice Internship III
This course offers the student the opportunity to gain valuable hands-on experience in an actual criminal justice setting by working in a law enforcement department. Students have the opportunity to rotate through the entire agency based on a protocol developed by the department head.
(3/0/0/0/0/0/0/0/0/180)

CRIM-2110
Juvenile Justice
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
An examination of the origins, philosophy, and objectives of the juvenile justice system. Topics include, but are not limited to: causation of crime (i.e. race/gender, socioeconomic relevance, and victimization); the juvenile court system; the law enforcement approach; corrections; and prevention.
(3/45/0/0/0/0/0/0/0/0)

CRIM-2150
Contemporary Issues in Criminal Justice
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course will expose students to current social issues affecting the field of criminal justice and its professionals, victims, and defendants. Possible topics include racism, sexism, homophobia, poverty, hate crimes, capital punishment, addiction, ethics, gangs, child abuse, terrorism, sexual assault, domestic violence, suicide, mental illness, pornography, prostitution, and other timely topics.
(3/45/0/0/0/0/0/0/0/0)

CRIM-2150T
Contemporary Issues in Criminal Justice: Terrorism
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course will expose students to current social issues impacting the field of criminal justice and its professionals, victims, and defendants. Possible topics include racism, sexism, homophobia, poverty, hate crimes, capital punishment, addiction, ethics, gangs, child abuse, terrorism, sexual assault, domestic violence, suicide, mental illness, pornography, prostitution, and other timely topics.
(3/45/0/0/0/0/0/0/0/0)

CRIM-2180
Criminal Justice Organizations, Administration, & Management
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course introduces the student to the broad set of concepts, research, and practices that form a sound foundation for the management and administration of criminal justice organizations. A system-wide focus prepares students to study or work in a diverse range of criminal justice settings.
(3/45/0/0/0/0/0/0/0/0)

CRIM-2200
Criminology
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course examines crime and criminology from a broad social perspective. Emphasizes the nature and causes of
crimes, investigation and prosecution, and treatment and prevention.
(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2250

Community-Based Corrections
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

This course is designed to introduce the correctional process as it is applied in a community setting. The course is designed specifically to focus on probation, parole, and other community-based strategies for dealing with the offender.
(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2260

Criminal Investigation
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

This course is an introduction to criminal investigation procedures. It includes a review of the historical development of criminal investigation and how investigative processes relate to the law enforcement function. The course studies procedures including, but not limited to: properly collecting, organizing, and preserving evidence; using basic investigative tools; examining the primary sources of information; analyzing the importance of writing skills; and reviewing the constitutional (legal) limitations of the investigation.
(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2310

Rules of Evidence
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

This course emphasizes the concept of evidence and the rules governing its admissibility. It includes theoretical and pragmatic considerations of constitutional requirements affecting evidence and procedure.
(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2350

Security & Loss Prevention
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

This course focuses on the increasing role private security plays in the field of crime prevention, detection, and investigation. Forms of private security including armed protective services; retail loss prevention; industrial and institutional security; security surveys and risk analysis; and issues related to the manufacture, sale, installation, and the effectiveness of a variety of security system applications will be explored, as well as the impact of homeland security on the private security sector.
(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2900

Special Topics in Criminal Justice
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

The content of this course varies by semester, and its content is designed to allow for instruction in special content areas outside of the courses being offered by the Social Science Division. A class offered under this listing has a criminal justice emphasis chosen by a Criminal Justice faculty member based on student/program demand, compatibility with the general nature of social science and related courses, and instructor interest/competence. This course is offered periodically to meet student special interests in the field and is designed to cover specialized topics not usually presented in depth in regular courses already listed in the College Catalog. The course may be repeated for credit as long as the topic presented is substantially different from a previously taken special topics class. In any given semester, the course content is an examination of current problems or issues, organized in a lecture-discussion basis intended to involve students. Course content may vary as changing conditions require new approaches to emerging problems.
(1-3/15-45/0/0/0/0/0/0/0/0/0)

CRIM-2900A

Special Topics in Criminal Justice: Ethics & Criminal Justice
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

This course is an intense examination of the ethical considerations facing the criminal justice practitioner. Topics include determining moral behavior; developing moral and ethical behavior; ethics and law enforcement; ethics and the courts; ethics and corrections; the ethics of punishment; policy and management issues; and professionalism, pride, and ethics for practitioners.
(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2900G

Special Topics in Criminal Justice: Understanding Gangs
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

This course offers students a unique perspective on current gang issues in a comprehensive, interdisciplinary,
understandable, and contemporary format. Discussions focus on contemporary studies and theories of gang behavior. Gender issues, race and ethnicity, gangs in prisons and schools, gang victimization, and prevention and intervention programs are also explored.

(3/45/0/0/0/0/0/0/0/0)

**Drafting Technologies**

**DRAF-1250**
**Computer-Aided Drafting & Design (CADD)**
The student is introduced to automated drafting processes. The speed and power of the computer enhance the knowledge and creativity of the student and replace many tiresome tasks with CADD functions that automate much of the drafting process. These are invaluable skills in a field that is advancing at a blinding pace.

(3/30/45/0/0/0/0/0/0/0)

**DRAF-1260**
**CAD/CAM: Introduction to Solid Modeling I**
This course provides the student with an understanding of the parametric design philosophy through a hands-on, practice-intensive curriculum. The student will learn the key skills and knowledge needed to design models using CAD/CAM software, starting with conceptual sketching through solid modeling, assembly design, and drawing production.

(3/30/45/0/0/0/0/0/0/0)

**DRAF-1261**
**CAD/CAM: Introduction to Solid Modeling II**
Prerequisite: DRAF-1260
This course provides the student with a continued understanding of the parametric design philosophy through a hands-on, practice-intensive curriculum. The student will learn the key skills and knowledge needed to design models using CAD/CAM software, starting with conceptual sketching through to solid modeling, assembly design, and drawing production.

(3/30/45/0/0/0/0/0/0/0)

**DRAF-2450**
**Autodesk Revit Building**
Autodesk Revit teaches students how to use the Revit program for residential and light commercial construction. Students learn how to use the basic tools provided in Revit and how to customize Revit for specific architectural applications. Topics are covered in an easy to understand sequence and progress that allows students to become comfortable with the commands.

(3/45/0/0/0/0/0/0/0/0)

**Early Childhood Education**

**ECED-1010**
**CDA Preparatory Seminar I**
This course is an introduction to early childhood education including an overview of the profession. The focus is on the development of children, specifically focused on developmentally age appropriate needs in the basic areas of physical, social, emotional, and intellectual development and basic program management. Learning experiences and assignments are individualized based upon a training needs assessment and will focus on the student’s specific interests as a childcare professional. In addition to the weekly WNCC classroom seminar, the student is expected to work in one or more local early childhood centers a minimum number of credits per week to satisfy practicum field placement requirements. For interested students, this course provides both 45-clock credits of formal child care education and 120 credits of experience working with children, which could be used towards CDA certification.

(3/45/0/0/0/0/0/0/0/0)

**ECED-1050**
**Expressive Arts**
This course focuses on the development and application of materials, activities, and experiences that encourage the young child’s (birth – 8 years) creativity and aesthetic appreciation through the visual arts, music, body movement, and dramatic play.

(3/45/0/0/0/0/0/0/0/0)

**ECED-1060**
**Observation, Assessment, & Guidance**
This course introduces a variety of observation, assessment, and guidance strategies used in early childhood education settings: birth through age eight.

(3/45/0/0/0/0/0/0/0/0)

**ECED-1110**
**Infant/Toddler Development**
This course focuses on the typical/atypical development of children in the prenatal period of development through 36 months. Planning curriculum in the domains of physical
growth and motor skills, cognition and language, and social/emotional development are examined.
(3/45/0/0/0/0/0/0/0/0/0)

ECED-1120
Preschool Child Development
This course focuses on typical/atypical development of the child ages three through five years, in the domains of physical growth and motor skills, cognition and language, and social/emotional development.
(2/30/0/0/0/0/0/0/0)

ECED-1150
Introduction to Early Childhood Education
The course provides an overview of the history, trends, and the philosophies of early childhood education. Diversity, inclusion, licensing standards, current legislation, professionalism, and advocacy are examined.
(3/45/0/0/0/0/0/0/0/0/0)

ECED-1160
Early Language & Literacy
This course focuses on the development of literacy and language skills from birth to age eight, including typical/atypical and dual/multiple language learners.
(3/45/0/0/0/0/0/0/0/0/0)

ECED-1220
Pre-Practicum
This course is designed to provide an orientation to practicum experiences in the early childhood education program. Students will review the process for setting up a practicum, forms used during practicum, understand childcare licensing requirements for their state, and have their names cleared through appropriate background checks. Students will understand practicum expectations and responsibilities, methods of evaluation, and the importance of professionalism in the work place.
(1/15/0/0/0/0/0/0/0/0/0)

ECED-1221
Infant Toddler Practicum
Prerequisite: ECED-1110, ECED-1150, ECED-1220, or instructor consent
This course is designed to provide an understanding of the developmental stages of children six weeks through thirty-six months-of-age by participating in hands-on learning experiences in selected childcare settings. Students develop an awareness of appropriate adult/child interactions while developing positive employee skills. Basic skills in planning and implementing a daily routine and curriculum activities for infants and toddlers are also presented. Students are required to complete a minimum of 90 clock credits of practical work experience. Attendance at discussion sessions is required. A passing grade of C or better is required for ECED majors.
(2/0/0/0/0/0/0/0/90/0/0/0)

ECED-1230
School Age Child Development
This course focuses on typical/atypical development of the child ages five through eight years. The course will examine program design in out of school care that addresses the domains of physical growth and motor skills, cognition and language, and social/emotional development.
(2/30/0/0/0/0/0/0/0/0/0)

ECED-1240
Preschool & School-Age Practicum
Prerequisite: ECED-1060, ECED-1120, ECED-1230, or instructor approval
This course is designed to provide an understanding of the developmental stages of children from three to eight years of age by participating in hands-on learning experiences in selected childcare settings. Students develop an awareness of appropriate adult/child interaction while developing positive employee skills. Basic skills in planning and implementing a daily routine and curriculum activities for children from three to eight years of age are also presented. Students are required to complete a minimum of 90 clock credits of practical work experience. Attendance at discussion sessions is required. A passing grade of C or better is required for all ECED majors.
(2/0/0/0/0/0/0/0/90/0/0/0)

ECED-1610
Infant Practicum
This course is designed to provide an understanding of the developmental stages of children from birth through 18 months of age through participation in hands-on learning experiences in selected early childhood care and education settings. Students will develop an awareness of appropriate adult/child interaction and positive employee skills. Basic skills in planning and implementing a daily routine and curriculum activities for infants are presented. Students are required to complete a minimum of 45 clock hours of practical work experience.
(1/15/0/0/0/0/0/0/0/45/0/0)
ECED-1620
Toddler Practicum

Prerequisites or co-requisites: ECED-1110 and ECED-1220

This course is designed to provide an understanding of the developmental stages of children 18 months through 36 months of age through participation in hands-on learning experiences in selected child care settings. Students will develop an awareness of appropriate adult/child interactions and positive employee skills. Basic skills in planning and implementing a daily routine and curriculum activities for toddlers are also presented. Students are required to complete a minimum of 45 clock hours of practical work experience.

(1/15/00/0/0/0/0/0/45/0)

ECED-1630
Preschool Practicum

Prerequisite or co-requisite: ECED-1110 and ECED-1220

This course is designed to provide an understanding of the developmental stages of children three to five years of age through participation in hands-on learning experiences in selected early-care and education settings. Students will develop an awareness of appropriate adult/child interactions and positive employee skills. Basic skills in planning and implementing a daily routine and curriculum activities for children three to five years of age are also presented. Students are required to complete a minimum of 45 clock hours of practical work experience.

(1/15/00/0/0/0/0/0/45/0)

ECED-1640
School-Age Practicum

Prerequisites or co-requisites: ECED-1220 and ECED-1230

This course is designed to provide an understanding of the developmental stages of children five to eight years of age through participation in hands-on learning experiences in selected early-care and educational settings. Students will develop an awareness of appropriate adult/child interactions and positive employee skills. Basic skills in planning and implementing a daily routine and curriculum activities for school-age children are also presented. Students are required to complete a minimum of 45 clock hours of practical work experience.

(1/15/00/0/0/0/0/0/45/0)

ECED-2050
Children with Exceptionalities

This course focuses on the theory, development, and philosophy of early childhood education programs serving children (birth to age 8) with exceptionalities. Topics include working with families, legislation, the role of the interventionist, interdisciplinary teams, and the inclusion of children with special needs in natural environments. Observation of inclusionary practices and exceptional children are required. Prior knowledge of child growth and development is strongly encouraged.

(3/45/0/0/0/0/0/0/0/0)

ECED-2060
Early Childhood Education Curriculum Planning

This course prepares students to plan developmentally appropriate curriculum and environments for children ages 3–8 years of age. Topics include writing goals and objectives, lesson plans, daily schedules, working with families, and inclusionary practices.

(3/45/0/0/0/0/0/0/0/0)

ECED-2070
Family & Community Relationships

This course focuses on the development of skills, techniques, and attitudes needed to form successful collaboration with diverse family systems and communities. Ten hours of volunteer service learning required.

(3/45/0/0/0/0/0/0/0/0)

Economics

ECON-1230
General Economics

Satisfies a social science requirement for AA or AS degree

This course is a survey of the major economic issues of today for students not majoring in law, economics, or business administration. Economic policy, problems, and institutions are stressed. This course should not be taken as a prerequisite to, or in lieu of, ECON-2110 or ECON-2120. This class meets the three-hour economics requirement for Nebraska state teacher certification.

(3/45/0/0/0/0/0/0/0/0)

ECON-2110
Principles of Macroeconomics

Prerequisite: ENGL-0065, ENGL-0070 or ACCUPLACER® (or other appropriate placement exam)

Satisfies a social science requirement for AA or AS degree

This course is a study of the "big ideas" of macroeconomics including GDP, CPI, inflation, unemployment, and international trade. A look at public-policy decision making using macro theories including
monetary policy, fiscal policy, and other economic-stabilization theories. This course will also examine the economic challenges facing the global economy.

(3/45/0/0/0/0/0/0/0/0/0/0)

**ECON-2120**

**Principles of Microeconomics**

**Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)**

Satisfies a social science requirement for AA or AS degree

This course provides an analysis of perfect and imperfect markets, including the behavior of producers and consumers. Topics covered include price and income elasticity, public and private goods, income distribution, market structures, production costs, resource allocation, comparative advantage, and current economic problems.

(3/45/0/0/0/0/0/0/0/0/0/0)

**Education**

**EDUC-1110**

**Introduction to Professional Education**

**Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)**

This course provides an overview of education in the United States viewed in terms of history, philosophy, finance, and governance. This course encourages critical thinking about the role of education in an ever-changing diverse society, the role of the teacher, and educational practices in schools. The course is designed to help students explore education as a prospective career.

(3/30/0/0/0/0/0/0/0/0/0/0)

**EDUC-1700**

**Professional Practicum**

**Prerequisite or Co-requisite: EDUC-1110**

This course is designed to acquaint the student with the classroom situation and atmosphere by participating in the teaching-learning process. It includes observation and assistance in classroom-related activities under the supervision of an experienced teacher.

(1/0/30/0/0/0/0/0/0/0/0/0)

**EDUC-2000**

**Educational Psychology**

**Prerequisite: EDUC-1110**

**Pre- or co-requisite: PSYC-1810**

This course is a study of the three focal areas in education: the learner, the learning process, and the learning environment. It is a survey of the principles of psychology as applied to classroom teaching: development, learning, motivation, evaluation, and adjustment; and educational techniques and innovations.

(3/45/0/0/0/0/0/0/0/0/0/0)

**EDUC-2110**

**Children's Literature**

**Prerequisite: ENGL-1010**

Cross-listed as EDUC-2110/ENGL-2110 Children's Literature

Satisfies humanities requirement for an AA degree

This is a survey course designed to familiarize the student with a range of material available in the areas of children's literature. It covers material from the traditional to the contemporary, for a variety of ages in a variety of types, including picture books, folk tales, modern fantasy, poetry, realistic and historical fiction, biographies, and informational literature. The course familiarizes the student with children's literature so that he/she learns to select and evaluate appropriate materials for individual and group needs and interests.

(3/45/0/0/0/0/0/0/0/0/0/0)

**EDUC-2300**

**Introduction to the Exceptional Learner**

**Prerequisites: EDUC-1110 and EDUC-2000 or consent of instructor**

This course is a study of the characteristics of students with disabilities or exceptionalities. Emphasis is on the psychosocial implications, identification, differences, learning characteristics, and manifest behaviors. The effects of educational practices and attitudes and the nature of, and forces for, social change will be explored.

(3/45/0/0/0/0/0/0/0/0/0/0)

**EDUC-2590**

**Instructional Technology**

**Prerequisite: EDUC-1110**

This course is an introduction to a variety of technologies and strategies used in the instructional process to accommodate all learners. There is also a focus on the
social, ethical, legal, and human issues surrounding the use of technology.
(3/45/0/0/0/0/0/0/0/0/0)

EDUC-2860
Music Education for Elementary Teachers
Prerequisite: ECED-1150 or EDUC-1110
This course gives prospective elementary teachers the knowledge necessary to teach music. The student will learn the elements of music, the role of music in child development, specific applications for lessons, and contemporary teaching techniques.
(3/45/0/0/0/0/0/0/0/0/0)

EDUC-2890
Art Education for Elementary Teachers
Prerequisite: EDUC-1110 or ECED-1150
This is a methods course in teaching art at the elementary school level, including organization of units of work at various grade levels and practical experiences in a variety of projects and media. Requirements include out-of-class studio assignments.
(3/45/0/0/0/0/0/0/0/0/0)

Electrical & Computer Engineering

ECEN-2110
Introduction to Circuits and Electronics
Prerequisites: MATH-2150 and PHYS-2110
This course provides students with an understanding of basic circuit analysis including direct and alternating currents, AC power, frequency response, and electric machines. The course includes the study of basic electronic circuit elements; resistance, capacitance, and inductance; series/parallel circuit analysis; operational amplifiers; and digital logic and basic diode concepts.
(3/45/0/0/0/0/0/0/0/0/0)

Emergency Medical Services

EMSP-1100
Emergency Medical Responder
This course is designed to prepare students for the basic life support knowledge and skills necessary for entry into the Emergency Medical Services (EMS) profession. The Emergency Medical Responder (EMR) is the entry-level of EMS. Instruction occurs through classroom and hands-on lab experiences. Upon successful completion of the course, the student will be eligible to take the National Registry of Emergency Medical Technicians EMR written and psychomotor skills examination.
(4/52.5/0/22.5/0/0/0/0/0/0/0)

EMSP-1500
Emergency Medical Technician
Prerequisite: Current Nebraska State Board of EMS approved CPR card
This course is designed to prepare students for basic pre-hospital emergency care and transport through classroom, hands-on labs, and clinical experiences. Upon successful completion of the course, the student will be eligible to take the National Registry examination for Emergency Medical Technicians EMT written and psychomotor skills examination.
(8/90/0/45/0/0/0/0/0/22.5/0)

EMSP-2000
Introduction to Paramedicine
Prerequisites:
- Current National Registry or state Emergency Medical Technician, Advanced Emergency Medical Technician or Intermediate licensure in good standing.
- Current state approved cardiopulmonary resuscitation (CPR) card maintained throughout the entire course. (AHA recommended)
Co-requisites: EMSP-2050, EMSP-2100, and EMSP-2400
This course provides the classroom education necessary to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. Course content focuses on an introduction to paramedicine, roles and responsibilities of the paramedic, public health, ethics in paramedicine, and human life span development.
(3/45/0/0/0/0/0/0/0/0/0)

EMSP-2050
Pathophysiology, Pharmacology, & Airway Management
Prerequisite: Successful completion of EMTL-2000 with a grade of 80% or higher.
Co-requisite: EMSP-2000, EMSP-2100, and EMSP-2400
This is the second of eight lecture courses in the Paramedic program designed for students with an Emergency Medical Technician license desiring to progress to the paramedic level of practice. The course provides classroom learning experiences to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. The content of this
course will focus on pathophysiology, emergency pharmacology, intravenous access and medication administration, and airway management and ventilation. Students must complete all requirements in this course to advance to EMSP-2100. Additionally, all students must satisfactorily demonstrate proficiency in the areas of IV access, medication administration, and airway management to fully participate in any field internship/clinical rotation hours. It is expected that all students will have all ALS and BLS skill requirements of EMSP-2400 completed by the end of this semester.

(4/60/0/0/0/0/0/0/0/0/0)

**EMSP-2100**

**Patient Assessments**

**Prerequisite:** EMSP-2000, EMSP-2050, and EMSP-2400

This course provides classroom experiences necessary to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. The content will focus on the components of patient assessment: therapeutic communication, history taking, scene evaluation, primary and secondary assessment, reassessment, and clinical decision making.

(3/45/0/0/0/0/0/0/0/0/0)

**EMSP-2150**

**Pulmonology and Cardiology**

**Prerequisite:** The first two semesters of the paramedic program core courses.

**Co-requisites:** EMSP-2200, EMSP-2250, and EMSP-2500

This course provides classroom learning experiences to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. The content of this course will focus on cardiac and pulmonary medical emergencies and EKG rhythm and 12-lead EKG interpretation. This course will also include training to prepare the student to test for Advanced Cardiac Life Support (ACLS) certification.

(4/60/0/0/0/0/0/0/0/0/0)

**EMSP-2200**

**Medical Emergencies**

**Co-requisite:** EMSP-2150, EMSP-2250, and EMSP-2500

This course provides classroom learning experiences to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. The content of this course will focus on medical emergencies paramedics will encounter.

(4/60/0/0/0/0/0/0/0/0/0)

**EMSP-2250**

**Trauma Emergencies**

**Co-requisite:** EMSP-2150, EMSP-2200, and EMSP-2500

This course provides classroom learning experiences to develop the knowledge, critical thinking and psychomotor skills, and professionalism expected of the entry-level paramedic. The content of this course will focus on trauma emergencies. This course will also include training to prepare the student to test for Prehospital Trauma Life Support (PHTLS) certification.

(3/37.5/15/0/0/0/0/0/0/0/0)

**EMSP-2300**

**Trauma and Special Considerations**

**Prerequisite:** The first two semesters of the paramedic program core courses.

**Co-requisites:** EMSP-2350 and EMSP-2600

This course provides learning experiences to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. The content of this course will conclude trauma emergencies and shift focus to special considerations in paramedic gynecology, obstetrics, neonatology, pediatrics, geriatrics, abuse and neglect, patients with special challenges, and home care. This course will also include training to prepare the student to test for Pediatric Advanced Life Support (PALS) certification.

(3/37.5/15/0/0/0/0/0/0/0/0)

**EMSP-2350**

**EMS Operations**

**Co-requisites:** EMSP-2300 and EMSP-2600

This course provides learning experiences to develop the knowledge, critical thinking and psychomotor skills, and professionalism expected of the entry-level paramedic. This course covers EMS operations including ground and air ambulance operations, medical incident command, rescue operations, crime scene awareness, HAZMAT awareness, bioterrorism, and weapons of mass destruction. Students must complete all requirements in this course to complete the paramedic program.

(3/45/0/0/0/0/0/0/0/0/0)

**EMSP-2400**

**Paramedic Clinical I**

**Co-requisites:** EMSP-2000, EMSP-2050, and EMSP-2100

During this lab/clinical rotation, students must demonstrate competency in all Basic Life Support (BLS) skills along with all Advanced Life Support (ALS) skills. The purpose of this clinical is to provide hands-on,
psychomotor skills training in the laboratory, hospital, and pre-hospital settings to begin the process of developing entry-level clinical competency.

(5/0/0/0/0/0/0/0/225/0)

**EMSP-2500**  
**Paramedic Clinical II**  
**Prerequisite: EMSP-2400**  
**Co-requisite: EMSP-2150, EMSP-2200, and EMSP-2250**  
This is the second of a three-clinical series in the Paramedic program. The objective of the clinical is to provide the hands-on, psychomotor skills training in the laboratory, hospital, and emergency medical services to advance competency in the affective, cognitive, and psychomotor learning domains.

(5/0/0/0/0/0/0/0/225/0)

**EMSP-2600**  
**Paramedic Clinical III**  
**Prerequisite: EMSP-2500**  
**Co-requisite: EMSP-2300 and EMSP-2350**  
The objective of the clinical is to provide the hands-on, psychomotor skills training in the laboratory, hospital, and EMS. This clinical will consist of 225 ambulance hours with a minimum of 40 patient contacts. This course represents the capstone component of the paramedic training. The timing and sequencing of the team-leads occur as a capstone experience and is relative to the didactic and clinical phases of the program resulting in an appropriate experience to develop and demonstrate competence. The student must function as the team-lead on a minimum of 20 EMS calls.

(5/0/0/0/0/0/0/0/225/0)

**Engineering**

**ENGR-1010**  
**Introduction to Engineering Design**  
This course introduces students to the engineering design process, including critical thinking skills and working in multidisciplinary teams. This is done in the context of energy systems and the engineering and technology involved in those systems. The course also introduces students to a variety of engineering disciplines.

(3/45/0/0/0/0/0/0/0/0)

**ENGR-1020**  
**Programming & Problem Solving**  
This course introduces students to the engineering problem solving process in the context of high-level structured computer programming. The course consists of a sequence of programming assignments that require students to write computer programs to solve engineering problems. All of the computer assignments are written in MATLAB.

(3/45/0/0/0/0/0/0/0/0)

**ENGR-1070**  
**Graphics for Engineers**  
The engineering student learns to read and communicate technical information by means of technical drawing. The use of standard drawing equipment, the computer (CAD) as the principal tool of the drafter’s workstation, and the basic principles of descriptive geometry and graphical representation of technical data are covered. Freehand sketching is also included in this course.

(3/30/0/0/0/0/0/0/0/0)

**ENGR-2020**  
**Statics**  
**Prerequisite: MATH-2150**  
This course is a rigorous presentation and discussion based on deductive reasoning of the fundamental principles of the mechanics of rigid bodies, statics, and their application to the solution of engineering problems. Vector methods are used. Software applications are also part of this course.

(3/45/0/0/0/0/0/0/0/0)

**ENGR-2500**  
**Engineering Internship**  
**Prerequisite: ENGR-1010 or permission of the instructor**  
Work experience is an important part of any educational program. This internship is intended to give engineering students experience in solving real world problems while working under the supervision of an employer and instructor. Students are compensated for their hours and earn one (1) college credit for each 60 hours worked up to three (3) credits.

(1-3/0/0/0/0/0/0/0/0/60-180)

**English**

**ENGL-0010**  
**Basic Reading**  
**Prerequisite: ACCUPLACER® (or other appropriate placement exam)**  
This course develops effective reading skills and promotes clear thinking. Through practice, students improve comprehension and develop as critical readers. The
course incorporates an emphasis on vocabulary development and improving individual reading ability.
(3/45/0/0/0/0/0/0/0/0/0)

ENGL-0030
Basic Writing
Prerequisite: ACCUPLACER® (or other appropriate placement exam)
This course improves writing skills, teaching students techniques like using the writing process to compose short narrative and expository pieces, as well as structuring writing to create effective written communication. Students learn to use well-chosen words and create precise phrases, clauses, and sentences within the context of their own writing. Students learn to incorporate correct usage and grammar into their compositions.
(3/45/0/0/0/0/0/0/0/0/0)

ENGL-0050
Developmental Writing
Prerequisite: ENGL-0030, ESLX-0035, or ACCUPLACER® or Second Screen Writing (or other appropriate placement exam)
Co-requisite: ENGL-0050L
This course prepares students for college-level writing. Using the writing process, students produce writing at the paragraph and essay-levels. Students learn to organize effective pieces of writing, improve diction, focus tone, and produce writing that evidences proper mechanics and usage. Successful completion of this course qualifies a student for enrollment into ENGL-1010, as well as other WNCC classes with writing-level prerequisites.
(3/45/0/0/0/0/0/0/0/0/0)

ENGL-0050L
Writing Lab
Co-requisite: ENGL-0030, ENGL-0050, or ENGL-0065

ENGL-0065
Integrated Reading & Writing
Prerequisite: ENGL-0050 or ACCUPLACER® (or other appropriate placement exam)
Co-requisite: ENGL-0050L
This course prepares students for college-level writing. The course is open to students scoring just below the level necessary for ENGL-1010 on their placement exam but at a level that indicates they could benefit from integrated and accelerated instruction in both reading and writing. Students will learn to use the writing process to complete writing assignments and increase reading comprehension. Successful completion of this course qualifies a student for enrollment in ENGL-1010, as well as other WNCC classes with writing-level prerequisites.
(3/45/0/0/0/0/0/0/0/0/0)

ENGL-0070
Reading Techniques
Prerequisite: ENGL-0010 or ACCUPLACER® (or other appropriate placement exam)
This course is designed to give students the necessary reading skills to manage a college-level reading load. Students receive instruction in effective reading strategies, and increased vocabulary and practice comprehension skills. Individual reading ability is identified and targeted for improvement.
(3/45/0/0/0/0/0/0/0/0/0)

ENGL-1000
Workplace Writing
Prerequisite: ENGL-0010, ENGL-0030, ESLX-0035, or ACCUPLACER® of Second Screen Writing (or other appropriate placement exam)
This course familiarizes students with writing strategies most often employed in vocational and technical fields and prepares them for entry-level workforce communication demands. Writing instruction and practice are given in areas such as the development and writing of abstracts or summaries, correspondence, memoranda, job applications, and various short incident, progress, travel, or analytical reports. Evaluative emphasis is placed upon tone, content, format, grammar, and mechanics.
(3/45/0/0/0/0/0/0/0/0/0)

ENGL-1010
English Composition I
Prerequisite: ENGL-0050 and ENGL-0065 or ENGL-0070 or ACCUPLACER® (or other appropriate placement exam)
English Composition I offers instructional practice in the techniques of effective writing. The process of planning, writing, revising, and editing essays for particular audiences and purposes and research-related skills are also emphasized.
(3/45/0/0/0/0/0/0/0/0/0)

ENGL-1020
English Composition II
Prerequisite: ENGL-1010
In this course, students will read and analyze various texts and respond with research-based, argumentative essays that demonstrate information literacy, critical-reading, and
source integration. A significant argument-based research project is required. 
(3/45/0/0/0/0/0/0)

**ENGL-2050**

**American Literature, 1620-1865**

**Prerequisite: ENGL-1010**

Satisfies a humanities requirement for AA or AS degree

This survey course examines the chronological development of American literature from utilitarian writings to belles-lettres, as well as its social, political, religious, and philosophical backgrounds using the selected works of representative authors from colonial times through the Civil War. 
(3/45/0/0/0/0/0/0)

**ENGL-2070**

**American Literature, 1865-Present**

**Prerequisite: ENGL-1010**

Satisfies a humanities requirement for AA or AS degree

This survey course deals with the rise of realism, naturalism, and other significant literary trends as represented in selected works from the post-Civil War period to the present. 
(3/45/0/0/0/0/0/0)

**ENGL-2110**

**Children's Literature**

**Prerequisite: ENGL-1010**

Cross-listed as EDUC-2110/ENGL-2110 Children's Literature

Satisfies a humanities requirement for AA or AS degree

This survey course is designed to familiarize the student with a range of material available in the areas of children's literature. It covers material from the traditional to the contemporary, for a variety of ages in a variety of types, including picture books, folk tales, modern fantasy, poetry, realistic and historical fiction, biographies, and informational literature. The course familiarizes the student with children's literature so that he/she learns to select and evaluate appropriate materials for individual and group needs and interests. 
(3/45/0/0/0/0/0/0)

**ENGL-2130**

**Survey of English Literature I**

**Prerequisite: ENGL-1010**

Satisfies a humanities requirement for AA or AS degree

This is a study of literary works and the times in which they occurred beginning with the earliest Anglo-Saxon literature and extending to the 18th century. Emphasis is placed upon the philosophical background of each period so that individual literary works can be better understood and placed in perspective. 
(3/45/0/0/0/0/0/0)

**ENGL-2190**

**The Novel**

**Prerequisite: ENGL-1010**

Satisfies a humanities requirement for AA or AS degree

This course is designed to acquaint the student with the novel genre, so that the student can better see the contemporary world through past and present works while also learning the technical aspects of such literature. Along with the appreciation of the works themselves, the history of the novel is considered to enhance the understanding of each selection. 
(3/45/0/0/0/0/0/0)

**ENGL-2200**

**Creative Writing**

**Prerequisite: ENGL-1010**

This course offers a study in the guided creation and refinement of original works, normally conducted with an instructor-determined focus with specific genres such as poetry, fiction, magazine writing, or creative non-fiction. 
(3/45/0/0/0/0/0/0)

**ENGL-2900**

**Special Topics in Literature**

**Prerequisite: ENGL-1010**

This course allows for a deep analysis of connected examples of literature, as defined by geography, author, theme, culture, and/or other select areas. 
(3/45/0/0/0/0/0/0)

**ENGL-2900A**

**Special Topics in Literature: Nebraska Literature**

**Prerequisite: ENGL-1010**

This course involves a concentrated study of select Nebraska authors and/or authors writing about the state of Nebraska. It provides a deep analysis of literature with an emphasis on geography, theme, and culture. 
(3/45/0/0/0/0/0/0)
Finance
FINA-2500
Finance Internship
Prerequisite or Co-requisite: BSAD-2100
Work experience is an important part of any educational program. This internship is intended to give students experience in solving real world problems while working under the supervision of an employer and instructor. Students are compensated for their credits and receive college credit.
(1-3/0/0/0/0/0/0/0/0/0/0/60-180)

Geology
GEOL-1010
Physical Geology
Co-requisite: GEOL-1010L
This course is an exploration of the origin of Earth materials, structures, and land forms. An emphasis is placed on the scientific methods important to understanding the Earth and its processes.
(4/45/0/0/0/0/0/0/0/0)

GEOL-1010L
Physical Geology Lab
Co-requisite: GEOL-1010

Global Studies
GBST-1000
Language Study Abroad
Students participate in a minimum two-week stay in a foreign country to study the country’s native language. During the two weeks, students will live with a native family, study the language at a language school/center, and participate in a variety of field trips to learn more about the culture, history, and environment of the country. A valid passport is necessary for this course, and the cost for this course is set outside the regular WNCC fee schedule and varies based on study location.
(3/40/10/0/0/0/0/0/0/0/0/0)

Health Information Technology
HIMS-1250
Introduction to Health Information Management
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
This course explores a career in health information, the American Health Information Management Association (AHIMA), and the benefits and responsibilities of achieving credentialed status as a Registered Health Information Technician (RHIT). Content and structure of patient records; quantitative and qualitative analyses of the documentation of patient care; storage methods; and retrieving patient data elements will be explored. Students will be introduced to the various functions performed in a health record department with emphasis on maintaining confidentiality of patient data.
(3/45/0/0/0/0/0/0/0/0/0)

HIMS-1350
Health Care Delivery Systems
Prerequisite: HIMS-1250
This course serves as an orientation to the organization of the health care industry and current trends in health care delivery systems. Issues related to accreditation standards, licensing, and government regulations are included.
(2/30/0/0/0/0/0/0/0/0)

HIMS-1410
Disease Process
Prerequisite/s: BIOS-1160 or LPNR 1110 and HLTH-1060 or instructor consent
Co-requisites: HIMS-1250 and HIMS-2150
This course explores the pathology and pharmacologic treatments of diseases of the integumentary, skeletal, musculoskeletal, endocrine, cardiovascular, respiratory, digestive, urinary, endocrine, nervous, and reproductive systems. Concepts and treatment modalities of infectious blood and immune diseases, and neoplasia are also explored. Procedures and laboratory radiological testing performed on patients with specific diseases will be introduced.
(4/60/0/0/0/0/0/0/0/0/0)
HIMS-1500
Legal & Ethical Aspects of HIMS
Prerequisite: ENGL-0070 or ACCUPLACER® (or other appropriate placement exam)
This course introduces the student to the study of legal principles related to patient care and health information, legal terminology and procedures, court systems, and liability of health care providers. The course will also provide students with an understanding of the legal requirements governing policies designed to safeguard health information and how to appropriately respond to requests for patient specific information.
(3/45/0/0/0/0/0/0/0/0)

HIMS-2100
Coding ICD
Prerequisites: BIOS-1160 or LPNR-1110, HLTH-1060, and HIMS-1250
Co-requisites: HIMS-1410, HIMS-2100L, or instructor consent
This course begins exploration of the ICD-10-CM and ICD-10-PCS coding systems and their use in various data collection schemes. Students apply ICD-10-CM coding principles to various exercises and practice health records in a lab setting.
(4/30/60/0/0/0/0/0/0/0/0)

HIMS-2100L
Coding ICD Lab
Prerequisites: BIOS-1160 or LPNR-1110, HLTH-1060, and HIMS-1250
Co-requisites: HIMS-1410, HIMS-2100, or instructor consent

HIMS-2150
Coding CPT
Prerequisites: BIOS 1160, LPNR 1110, or HLTH 1060
Co-requisites: HIMS-1410 and HIMS-2150L
This course will explore the CPT coding system and its use in various reimbursement and data collection schemes. Students will apply CPT coding principles to various exercises and practice health records in a lab/discussion board setting.
(4/30/60/0/0/0/0/0/0/0/0)

HIMS-2150L
Coding CPT Lab
Prerequisites: BIOS 1160, LPNR 1110, or HLTH 1060
Co-requisites: HIMS-1410 and HIMS-2150

HIMS-2180
Reimbursement Methodologies
Prerequisites: HIMS-2100 and HIMS-2150 or instructor consent.
Co-requisite: HIMS-2180L
This course introduces the student to methods of healthcare reimbursement. An initiation to the language of healthcare reimbursement is also included. The student will explore principles of reimbursement as they apply to various types of healthcare settings.
(4/30/60/0/0/0/0/0/0/0/0)

HIMS-2180L
Reimbursement Methodologies Lab
Prerequisites: HIMS-2100 and HIMS-2150 or instructor consent.
Co-requisite: HIMS-2180

HIMS-2200
Information Systems in Health Care
Prerequisite: ACCUPLACER® (or other appropriate placement exam)
Co-requisite: HIMS 1250
This course is designed to explore the uses and applications of information systems in healthcare. The fundamentals of information systems, including electronic health records, will be explored. Students will become familiar with information systems used for managerial and clinical support. Information security will be discussed.
(2/30/0/0/0/0/0/0/0/0/0)

HIMS-2250
Healthcare Statistics
Prerequisites: HIMS-1350 and MATH-1010 or ACCUPLACER® (or other appropriate placement exam)
This course instructs the student on terminology used in the collection and integration of data. Computation of various formulas are used in analyzing and converting this data to useful information. Students learn appropriate methods of disseminating and distributing information and ways to manage statistical information effectively and efficiently.
(2/30/0/0/0/0/0/0/0/0/0)
HIMS-2330
Health Information Management Applications I
Prerequisite: HIMS-1250 or consent of the instructor
Co-requisites: HIMS-2330L and HIMS-2730
This course examines through literature review and hands-on lab experiences the foundations of the health information technology used in the collection and management of clinical information. Topics covered include the function, content, and structure of the health record; primary and secondary data sets; healthcare information requirements and standards; the transition from paper-based records to electronic health records; and the functions of a health information management department.
(2/15/30/0/0/0/0/0/0/0/0/0)

HIMS-2330L
Health Information Management Applications I Lab
Prerequisite: HIMS-1250
Co-requisites: HIMS-2330 and HIMS-2730

HIMS-2340
Health Information Management Applications II
Prerequisite: HIMS-2250, HIMS-2330, and HIMS-2730
Co-requisite: HIMS-2340L, HIMS-2630 and HIMS-2760
Through review of current literature and hands-on experience in a lab setting, this course will utilize technologies for more advanced activities performed in a health record department. Topics will include selecting computer hardware/software, working with vendors, security of human resource information issues, supervision of department activities, review for RHIT exam, and job seeking activities.
(3/37.5/15/0/0/0/0/0/0/0/0/0)

HIMS-2340L
Health Information Management Applications II Lab
Prerequisite: HIMS-2250, HIMS-2330, and HIMS-2730
Co-requisites: HIMS-2340 and HIMS-2760

HIMS-2360
Coding Professional Practical Experience
Prerequisite: Completion of the first two semesters of the coding diploma curriculum
This course prepares the student to perform the basic functions and tasks of a coding professional. The student will code medical records in a variety of healthcare settings via a virtual simulation of the real-world coding experience. The course is designed to help the student gain the entry-level competencies as set forth by the American Health Information Management Association (AHIMA).
(3/15/60/0/0/0/0/0/0/0/0/0)

HIMS-2390
Coding & Reimbursement Applications
Prerequisites: HIMS-2100 and HIMS-2150
Co-requisites: HIMS-2180 and HIMS-2390L
This course is the fourth coding and reimbursement class utilizing ICD-10 and CPT Coding Systems and their uses in various reimbursement settings. Emphasis will be on the application of coding principles in various health records. Coding from a reimbursement perspective, and monitoring and compliance will be included.
(3/15/60/0/0/0/0/0/0/0/0/0)

HIMS-2390L
Coding & Reimbursement Applications Lab
Prerequisites: HIMS-2100 and HIMS-2150,
Co-requisites: HIMS-2180 and HIMS-2390

HIMS-2630
Quality Assessment and Performance Improvement
Prerequisites: HIMS-1500 and HIMS-2250
This course introduces the student to the peer review process and the role health information plays in evaluating patient care. The course investigates the components of quality improvement programs in healthcare facilities, including quality assessment, performance improvement, continuous quality improvement, utilization management, risk management and critical/clinical pathways. In addition, this course will discuss health information’s role in corporate compliance programs.
(3/45/0/0/0/0/0/0/0/0/0/0)

HIMS-2730
Professional Practice Experience I
Prerequisite: HIMS-1250
Co-requisites: HIMS-1350, HIMS-1500, HIMS-2250, and HIMS-2330 or consent of the instructor
The course is designed to help the student gain the entry-level competencies as set forth by the American Health Information Management Association (AHIMA). The student performs the basic functions and tasks of a health information management department and uses actual
health records in a health care facility to perform these functions and tasks.
(2/0/0/0/0/0/0/0/0/0/0/0/0)

HLTH-2190
Medication Aide
Prerequisites:
- Completion of a basic nursing assistant course
- Ability to speak and understand English
- Cannot be convicted of a crime involving moral turpitude
- Be at least 18 years of age to practice as a Medication Aide
- Successful completion of 45 clock hours of training and state testing approved by the Nebraska Department of Health and Human Services

This course is designed to prepare the learner to assume the role and responsibilities of the medication aide. The curriculum is designed to meet the minimum basic requirements in medication administration and pharmacology. Upon successful completion of the course, the student will be eligible to sit for an exam approved by the Nebraska Department of Health and Human Services. Successful completion of this examination will approve the student as a medication aide in Nebraska.
(3/37.5/0/0/0/0/0/0/0/0/0)

History

HIST-2010
American History I
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a social science requirement for AA or AS degree

This course is a survey of American history from the Age of Discovery through the Civil War and Reconstruction. Emphasis is on the political, economic, cultural, social, and technological issues that arose in the development of the American nation.
(3/45/0/0/0/0/0/0/0/0/0/0)

HIST-2020
American History II
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a social science requirement for AA or AS degree

This course is a survey of American history from the end of the Civil War era to the present. Emphasis is on the political, economic, cultural, social, and technological issues that arise in America’s development as a global power.
(3/45/0/0/0/0/0/0/0/0/0/0)
HIST-2025
The Sixties
This course is a survey of the 1960s, covering the political, social, and economic history of the United States during that time. This course will begin with a survey of the major trends of the 1950s that influenced the 1960s. From there, the decade of the 1960s is covered in depth. At every juncture, the arts are infused into the course with relevant discussions of what was happening in art, literature, music, movies, and culture making the class almost as much of a humanities class as a history class.
(3/4/5/0/0/0/0/0/0/0/0/0)

HIST-2050
Special Topics in History
This course allows for instruction in special content areas outside of the courses being offered by the Division of Social Science and Human Performance.
(3/4/5/0/0/0/0/0/0/0/0/0)

HIST-2060
History of Nebraska
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
Satisfies a social science requirement for AA or AS degree
This course is a survey of the political, economic, and social history of Nebraska, beginning with an examination of the indigenous peoples inhabiting North America at the time of the first European exploration of the Great Plains and ending with more recent historical developments.
(3/4/5/0/0/0/0/0/0/0/0/0)

HIST-2100
World Civilization (4000 BC - 1500 AD)
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
Satisfies a humanities requirement for AA or AS degree
The social, economic, political, philosophical, and aesthetic advancement of humankind from ancient times through the medieval period is examined in this course.
(3/4/5/0/0/0/0/0/0/0/0/0)

HIST-2110
World Civilization (1500 AD - Present)
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)
Satisfies a humanities requirement for AA or AS degree
The social, economic, political, philosophical, and aesthetic advancement of humankind from the medieval period to the present is examined in this course.
(3/4/5/0/0/0/0/0/0/0/0/0)

HIST-2500
History Internship I
This internship is a cooperative agreement between WNCC and community partners. These internship programs provide students valuable hands-on learning experiences in aspects of the operations of assigned partners. Through this internship, students receive academic credit that may be applied toward a history degree or a related discipline.
This internship program offers students the opportunity to apply information from classes to real-life experiences. Students are able to explore career opportunities and gain practical work experience that can be valuable in the job market or in pursuing an advanced degree, especially if the student intends to pursue a career or advanced degree in history upon graduation from WNCC.
The credits awarded are dependent upon guidelines established by WNCC. Students can receive up to six (6) credits through the history internships.
(1-3/0/0/0/0/0/0/0/0/0/60-180)

HIST-2510
History Internship II
This internship is a cooperative agreement between WNCC and community partners. These internship programs provide students valuable hands-on learning experiences in aspects of the operations of assigned partners. Through this internship, students receive academic credit that may be applied toward a history degree or a related discipline.
This internship program offers students the opportunity to apply information from classes to real-life experiences. Students are able to explore career opportunities and gain practical work experience that can be valuable in the job market or in pursuing an advanced degree, especially if
the student intends to pursue a career or advanced degree in history upon graduation from WNCC.
The credits awarded are dependent upon guidelines established by WNCC. Students can receive up to six (6) credits through the history internships.
(1-3/0/0/0/0/0/0/0/0/0/0/0/0/0/0/60-180)

**HIST-2580**
History of the American West

*Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)*

Satisfies a social science requirement for AA or AS degree

This course examines historical issues and events involving America west of the Mississippi River including the concepts of the “west” and “frontier.” Central themes in the course include an examination of who migrated to the west and why, the results of that migration, and the impact of migration and the events surrounding it on the United States as a whole. Examples of topics covered in the course include: the history and influence of the Spanish and French; cultural interaction and conflict between Europeans explorers/settlers and indigenous peoples; early explorers and emigrants (including the fur trade); cowboys, outlaws, and violence; children, marriage, and families; farming, settlement, and homesteading; and the West of the imagination (myth and reality of the West in American culture and popular culture).
(3/45/0/0/0/0/0/0/0/0/0/0/0)

**Human Services**

**HUSR-1620**
Introduction to Human Service Work

This course provides a general introduction to the field known as human services. The history of the field and how historical and current legislation impact human services will be discussed. The roles of human service workers in various agencies in the community and surrounding areas will be explored. In addition, students are exposed to general skills and values that are important in human service work.
(3/45/0/0/0/0/0/0/0/0/0)

**HUSR-1800**
Case Assessment, Planning, & Management

This course provides students with a process for collecting data and assessing client information for the purpose of treatment planning. It includes intake and screening, clinical assessment, treatment planning, documentation, case management, and discharge and continuing care for client care related to both addiction treatment and generalist service provision.
(3/45/0/0/0/0/0/0/0/0/0/0)

**HUSR-2000**
Introduction to Counseling Skills: Theories & Techniques

This course is an introduction to the interviewing, listening, and report writing skills required of human service workers, including substance abuse providers. Students are introduced to counseling theory and schools of thought, combined with a brief presentation of the techniques used by some of the theorists.
(3/45/0/0/0/0/0/0/0/0/0/0)

**HUSR-2300**
Group Counseling

*Prerequisite: HUSR-2000*

This course is an introduction to group counseling. Students will study and practice group theories, processes, dynamics, techniques, methods, counseling, and facilitation. A focus will be on practical knowledge and techniques for effective group leadership for both generalists and alcohol and drug counselors.
(3/45/0/0/0/0/0/0/0/0/0/0)

**HUSR-2380**
Professional Ethics & Issues

This course provides a comprehensive review of ethical issues present in human services including informed consent, non-discrimination, confidentiality, client welfare, patient records, client relationships and boundaries, and relationships with other professionals. Moral standards as a human services worker are discussed including scope of practice, consultation, supervision, and societal obligations. Legal implications of failure to follow ethical codes will also be discussed.
(3/45/0/0/0/0/0/0/0/0/0/0)

**HUSR-2450**
Multicultural Counseling

This course includes an education on cultural, social, lifestyle, spiritual, and economic factors relevant to the provision of competent and relevant counseling to varied populations. Specific populations to be discussed include those of differing race and ethnicity, ages, genders, sexual orientation, social class, religions, and abilities. Adaptations needed in the helping process to meet the needs of these varied populations is also discussed.
(3/45/0/0/0/0/0/0/0/0/0/0)

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Humanities

(Additional humanities include Art History and Criticism, Literature, Music Appreciation, Philosophy, Spanish, and Theatre)

HUMS-1100
Introduction to the Humanities
Prerequisite: ENGL-0050, ENGL-0070, ENGL-0065 or ACCUPLACER® (or other appropriate placement test)
Satisfies a humanities requirement for AA or AS degree
This survey course focuses on art, music, theatre, film, dance, architecture, and philosophy. It examines the unfolding of global humanistic traditions in order to reawaken our sense of wonder and curiosity about the meaning of life. The course gives students criteria from which to evaluate current times and situations and to enrich their historical perspectives. It shows how the various arts intersect and influence and are influenced by their times.
(3/45/0/0/0/0/0/0/0/0)

HUMS-2980
Global Study Experience
Prerequisite: Completion of required, pre-global study orientation course
This course provides a structured cross-cultural experience, including pre-departure cultural orientation, in-country immersion experience, and culminating project. Included is a review of history, religion, geography, philosophy, literature, anthropology, culture, fine arts, food, language and other topics relevant to the travel. The course involves a short-term global study experience with additional fees for travel.
(1-3/7.5-22.5/22.5-67.5/0/0/0/0/0/45-135/0)

Information Technology

INFO-1030
Spreadsheets (Excel)
This course focuses on the features and usage of electronic spreadsheet applications. Students will be introduced to worksheet design, formulas, functions, charts, data manipulation, data consolidation, and financial forecasting. The Microsoft Office Specialist Excel Expert exam can be accepted as equivalent to this class.
(3/45/0/0/0/0/0/0/0/0)
INFO-1040
Database (Access)
This course introduces systems design by emphasizing the relational database model. Curriculum content focuses on table and form design, queries and reports, sub forms, multiple table queries, and the integration of Access with the Web and other programs. Keyboarding skills are recommended.
(3/4/5/0/0/0/0/0/0/0/0/0)

INFO-1094
Intro to Database (Access)
This course is an entry-level database course designed to enable the student to create a simple table, query, form, and report. This course provides a foundation for more advanced courses in database concepts. Keyboarding skills are recommended.
(1/1/5/0/0/0/0/0/0/0/0/0)

INFO-1097
Electronic Communications (Outlook)
This course focuses on effectively utilizing various components of electronic communications using Microsoft Outlook: e-mail, calendar, contacts, tasks, and interaction among users.
(1/1/5/0/0/0/0/0/0/0/0/0)

INFO-1100
Microcomputer Applications
This course focuses on the fundamentals of word processing, spreadsheets, and presentation graphics in a Windows-based environment and includes the integration of these applications. Use of technology in communication is also covered. Keyboarding skills are recommended.
(3/4/5/0/0/0/0/0/0/0/0/0)

INFO-1194
Records Management
Pre- or co-requisite: INFO-1094
Records management is examined from records creation to disposal. Indexing systems, equipment, supplies, and physical conditions for various types of records are reviewed. This course stresses the importance of record control as an administrative function. A manual packet as well as a computerized database simulation are utilized.
(3/4/5/0/0/0/0/0/0/0/0/0)

INFO-1220
Introduction to Information Technology
This is an introductory course designed to impart an understanding of electronic information processing to the student. No previous experience is required. The course attempts to clarify the concepts, mechanics, new developments, social evolution, and future implications of electronic information processing. Keyboarding skills are recommended.
(3/4/5/0/0/0/0/0/0/0/0/0)

INFO-1241
IT Technical Support
This course is an introduction to computer, mobile device, and other information technology (IT) operating systems with an emphasis on the skills necessary to pass the Computing Technology Industry Association (CompTIA) A+ software certification exam. Additional topics covered are communication skills, security, installation, troubleshooting, optimization, support, networking, and maintenance of IT environment software. The student is encouraged to take the CompTIA A+ software certification exam. The CompTIA A+ software and hardware exam are both required for A+ certification. A current CompTIA A+ certification is accepted as equivalent to this class. Contact the instructor for details.
(3/4/5/0/0/0/0/0/0/0/0/0)

INFO-1242
IT Hardware Support
This course is an introduction to computer, mobile device, and other information technology hardware with an emphasis on the skills necessary to pass the Computing Technology Industry Association (CompTIA) A+ hardware certification exam. Additional topics covered are communication skills, security, installation, troubleshooting, optimization, support, networking, and maintenance of IT environment hardware. The student is encouraged to take the CompTIA A+ hardware certification exam. The CompTIA A+ software and hardware exam are both required for A+ certification. A current CompTIA A+ certification is accepted as equivalent to this class. Contact the instructor for details.
(3/4/5/0/0/0/0/0/0/0/0/0)

INFO-1255
Python
This course is an introductory study of computer programming, problem solving methods, and accepted software development practices using Python, an interpreted programming language. Topics include the
fundamentals of Python procedural and object-oriented programming and an introduction of advanced features of Python.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-1360
Visual C#
This course introduces fundamental programming concepts, designs, and best practices using Microsoft’s Visual C#. Visual C# is easy to learn, making it an ideal language for students with no prior programming experience to understand fundamental programming concepts. Programming projects include Windows graphical forms, web, and database. This introductory course provides a firm foundation for further work in programming.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-1400
Networking Essentials
Prerequisite or Co-requisite: INFO-1241
This course is a study of the fundamentals of current networking technology. Students learn to design, plan, implement, and support computer networks. The course introduces the full-range of computer networking from local-area networks to wide-area networks. The student is encouraged to take the Computing Technology Industry Association (CompTIA) Network+ certification exam. A current CompTIA Network+ certification is accepted as equivalent to this class. Contact the instructor for details.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-1510
Introduction to Robotics
This course helps students utilize off the shelf robotic kits to design, build, and program robots to interact with the real world. The course teaches the student how mechanical, electronic, and software components interact within a mechatronic system. No previous experience is required, though INFO-2350, INFO-1360, or previous programming experience is recommended.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-2000
Advanced Microcomputer Applications
Prerequisite: INFO-1100
This course expands upon the basic knowledge of software applications by exploring and using advanced features of word processing, spreadsheets, and presentation graphics. Database tables, forms, queries, and reports are introduced. Additional topics include the integration of software applications. The student is encouraged to take the Microsoft Office Specialist exam for Word, Word Expert, Excel, Excel Expert, and PowerPoint.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-2040
SQL Database Design & Management
Prerequisite: INFO-1040
This course introduces fundamental Relational Database Management Systems (RDBMS) design, implementation, and management. Included topics are E-R diagrams, Structured Query Language (SQL), tables, schema, and normalization. Students will create a real world application using a RDBMS. This course provides a foundation for advanced work in managed database systems.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-2275
Project Management
Prerequisite: INFO-1100
Project management is the discipline of defining and managing the vision, tasks, and resources required to complete a project. This course presents an integrated view of the different concept skills, tools, and techniques involved in project management. The student learns to work with the project management constraints of time, resources, scope, and quality.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-2350
Introduction to Computer Science
This course is a study of computer programming, problem solving methods, and accepted software development practices using Java, a high level programming language. Topics include the fundamentals of Java procedural programming, object-oriented programming, and an introduction of some advanced features of Java. This course prepares the student for further study in computer science.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-2355
Computer Science I
Prerequisite: INFO-2350
This course is an extension of INFO-2350 including the study of object oriented programming, problem solving, and accepted programming practices. Topics include class and object development, object oriented design, GUI, and
data abstraction. This class prepares the student for further study in computer science.

INFO-2426
Linux
Prerequisite: INFO-1241
This course is designed to provide the student with an in-depth study of the Linux operating system. Topics include Linux distributions, installation, administration, X-Windows, networking, and security. There are extensive hands-on projects, exercises, and reinforcement of concepts. The student learns about Linux terminology and features of the operating system, gains a solid understanding of core Linux concepts, and develops the practical skills necessary to successfully install and manage Linux. The student is encouraged to take the CompTIA Linux+ certification exam. The CompTIA Linux+ certification can be accepted as equivalent for this class. Contact the instructor for details.

INFO-2450
Windows Server
Pre- or co-requisites: INFO-1241 and INFO-1400
In this course, students learn, through lectures, discussions, demonstrations, textbook exercises, and classroom labs, the skills and knowledge necessary to help prepare them to design, implement, secure, administer, and troubleshoot a Windows-based server network.

INFO-2500
Information Technology Internship
Prerequisite: INFO-1241
Work experience is an important part of any educational program. This internship is intended to give students experience in solving real world problems while working under the supervision of an employer and instructor. Students are compensated for their credits and earn one (1) credit for each 60 credits worked up to three (3) credits. Students must develop two (2) learning objectives per credit hour.

INFO-2600
Cybersecurity Essentials
Pre- or co-requisites: INFO-1241 and INFO-1400
This course provides an introduction to the fundamentals of network security including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. This course covers new topics in network security as well including psychological approaches to social engineering attacks, web application attacks, penetration testing, data loss prevention, cloud computing security, and application security programming development. The student is encouraged to take the CompTIA Security+ certification exam, which can also be accepted as equivalent for this class.

Management

MNGT-2500
Management Internship
Prerequisite: Enrollment in business curriculum with emphasis in management or business administration and instructor consent.
Work experience is required in an approved training site in cooperation with business operators. Students are supervised by the business management or supervisor and a WNCC program instructor. Students are compensated for their services and receive college credit.

Marketing

MRKT-2310
Marketing Internship I
Work experience is required in an approved training station in cooperation with operators of business enterprises. The coordinator of WNCC marketing and management courses and the employer supervise students. Students are compensated for their services and receive college credit.

MRKT-2320
Marketing Internship II
Work experience is required in an approved training station in cooperation with operators of business enterprises. The coordinator of WNCC marketing and management courses and the employer supervise students. Students are compensated for their services and receive college credit.
Mathematics

MATH-0070
Basic Mathematics

Prerequisite: ACCUPLACER (or other appropriate placement test)
Co-requisite: MATH-0070L

This is a developmental mathematics course with attention given to a review of fractions and decimals; ratios, proportions, and percent; measurement; geometry; and statistics and an introduction to the use of signed numbers and algebra.

(4/60/0/0/0/0/0/0/0/0/0/0)

MATH-0070L
Basic Mathematics Lab

Co-requisite: MATH-0070

MATH-M0070A
Modular Basic Mathematics 1A

Prerequisite: ACCUPLACER (or other appropriate placement test)

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Basic Mathematics (MATH-0070). Students may move through the modules as quickly as they can.

(1/15/0/0/0/0/0/0/0/0/0/0)

MATH-M0070B
Modular Basic Mathematics 1B

Prerequisite: Successful completion of MATH-M0070A

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Basic Mathematics (MATH-0070). Students may move through the modules as quickly as they can.

(1/15/0/0/0/0/0/0/0/0/0/0)

MATH-M0070C
Modular Basic Mathematics 1C

Prerequisite: Successful completion of MATH-M0070B

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Basic Mathematics (MATH-0070). Students may move through the modules as quickly as they can.

(1/15/0/0/0/0/0/0/0/0/0/0)

MATH-0160
Introductory Algebra

Prerequisite: MATH-0070 or ACCUPLACER (or other appropriate placement test)

This course is designed for students who have not taken a full year of algebra in high school or who wish to review algebra. Topics include operations on real numbers, equations and inequalities, introduction to graphing, polynomial expressions and factoring, and rational expressions and rational equations.

(4/60/0/0/0/0/0/0/0/0/0/0)

MATH-M0160A
Modular Introductory Algebra 2A

Prerequisite: MATH-0070 or successful completion of MATH-M0070C

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Introductory Algebra (MATH-0160). Students may move through the modules as quickly as they can.

(1/15/0/0/0/0/0/0/0/0/0/0)

MATH-M0160B
Modular Introductory Algebra 2B

Prerequisite: Successful completion of MATH-M0160A

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Introductory Algebra (MATH-0160). Students may move through the modules as quickly as they can.

(1/15/0/0/0/0/0/0/0/0/0/0)

MATH-M0160C
Modular Introductory Algebra 2C

Prerequisite: Successful completion of MATH-M0160B

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Introductory Algebra (MATH-0160). Students may move through the modules as quickly as they can.
Introductory Algebra (MATH-0160). Students may move through the modules as quickly as they can.
1/15/0/0/0/0/0/0/0/0/0

MATH-1010
Intermediate Algebra

Prerequisite: MATH-0160 or ACCUPLACER® (or other appropriate placement test)

This course is for students who have completed only one year of high school algebra or MATH-0160. Topics include functions, graphing, systems of equations, inequalities, polynomials and polynomial functions, rational expressions and rational equations, exponents and radicals, and quadratic functions.
4/60/0/0/0/0/0/0/0/0/0

MATH-M1010A
Modular Intermediate Algebra 3A

Prerequisite: MATH-0160 or successful completion of MATH-M0160C

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Intermediate Algebra (MATH-1010). Students may move through the modules as quickly as they can.
1/15/0/0/0/0/0/0/0/0/0

MATH-M1010B
Modular Intermediate Algebra 3B

Prerequisite: Successful completion of MATH-M1010A

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to Intermediate Algebra (MATH-1010). Students may move through the modules as quickly as they can.
1/15/0/0/0/0/0/0/0/0/0

MATH-M1010C
Modular Intermediate Algebra 3C

Prerequisite: Successful completion of MATH-M1010B

This course is taught in modules, which students complete in a self-paced online course. The course has an instructor that assists students in the mastery of topics and accessing the computer lab and the Math Center. Module 1 (A, B, C) student learning outcomes are equivalent to

Intermediate Algebra (MATH-1010). Students may move through the modules as quickly as they can.
1/15/0/0/0/0/0/0/0/0/0

MATH-1020
Technical Mathematics

Prerequisite: MATH-0070 or ACCUPLACER (or other appropriate placement test)

This course is for students pursuing an Associate of Applied Science degree in a career/technical area. The course provides a review of arithmetic operations, exponents, algebraic operations, and right triangle trigonometry with emphasis placed on application.
3/45/0/0/0/0/0/0/0/0/0

MATH-1125
Integrated Algebra

Prerequisite: ACCUPLACER (or other appropriate placement test)

This course is an accelerated version of MATH-0160 and MATH-1010. Topics include operations on real numbers; equations and inequalities; graphing, polynomial expressions, and factoring; functions; systems of equations; polynomials and polynomial functions; rational expressions and rational equations; exponents and radicals; and quadratic functions. Students who successfully complete this course will fulfill the requirements for both MATH-0160 and MATH-1010.
5/75/0/0/0/0/0/0/0/0/0

MATH-1150
College Algebra

Prerequisite: MATH-1010 or ACCUPLACER (or other appropriate placement test)

This course is the study of relations, functions, and their graphs; equations and inequalities; polynomial and rational functions; exponential and logarithmic functions; and systems of equations and inequalities.
3/45/0/0/0/0/0/0/0/0/0

MATH-1170
Mathematical Applications

Prerequisite: MATH-1010 or ACCUPLACER (or other appropriate placement test)

This course covers a variety of mathematical topics such as set theory, numeration systems, counting methods, logic, problem solving strategies, consumer math, and probability and statistics. Students learn college-level techniques in a variety of mathematical areas, including an analysis of how to best use each technique in certain situations. The algebra prerequisite for the course reflects
the need for students to have an understanding of the conceptual aspects of mathematics rather than a need for them to remember the details of how to solve all the types of algebra problems encountered in high school algebra.

(3/45/0/0/0/0/0/0/0/0/0/0/0)

MATH-1180
Math for Elementary Teachers
Prerequisite: MATH-1010 or ACCUPLACER (or other appropriate placement test)
Designed primarily for prospective elementary teachers, this course covers an introduction to problem solving, sets, whole numbers, integers, rational numbers/fractions, real numbers, decimals, functions, numeration systems, algebraic thinking, and number theory.
(3/45/0/0/0/0/0/0/0/0/0/0/0)

MATH-1210
Trigonometry
Prerequisite: MATH-1150 or ACCUPLACER (or other appropriate placement test)
This course is a study of trigonometry and its applications. Topics include trigonometric functions, analytic trigonometry, and applications of trigonometry from engineering and the physical sciences.
(3/45/0/0/0/0/0/0/0/0/0/0/0)

MATH-1600
Analytical Geometry & Calculus I
Prerequisite: MATH-1210 or ACCUPLACER (or other appropriate placement test)
This course is a study of analytical geometry and single variable calculus. Topics include limits, continuity, derivatives, applications of derivatives, integrals, and applications of integrals.
(5/75/0/0/0/0/0/0/0/0/0/0/0)

MATH-2150
Calculus II
Prerequisite: MATH-1600
This course is a continuation of MATH-1600 including applications of the integral, calculus of transcendental functions, techniques of integration, improper integrals, and infinite series.
(5/75/0/0/0/0/0/0/0/0/0/0/0)

MATH-2170
Applied Statistics
Prerequisite: MATH-1010 or ACCUPLACER (or other appropriate placement test)
This course is an introduction to basic probability and statistical methods that are used in a wide variety of disciplines. Topics include descriptive statistics, probability foundations, probability distributions, sampling distributions, methods of statistical inference, and bivariate relationships.
(3/45/0/0/0/0/0/0/0/0/0/0/0)

MATH-2200
Calculus III
Prerequisite: MATH-2150
This course is a continuation of MATH-2150 and includes a study of plane and solid analytic geometry, vectors, partial differentiation, and multiple integration.
(5/75/0/0/0/0/0/0/0/0/0/0/0)

MATH-2210
Applied Differential Equations
Prerequisite: MATH-2150, MATH-2200, or permission of instructor
This course is an introduction to ordinary differential equations and their applications in the fields of engineering and the physical sciences. Topics address the formulation, analysis, and solution of first-, second-, and higher-order differential equations using a variety of methods including direction fields, integrating factors, variation of parameters, method of undetermined coefficients, Laplace transforms, numerical methods, and selected applications.
(3/45/0/0/0/0/0/0/0/0/0/0/0)

Medical Laboratory Technician

MEDT-1000
Introduction to Clinical Laboratory
Co-requisite: HLTH-1060 and/or admission to the Phlebotomy Program
This course will provide an overview of the clinical laboratory testing process. Emphasis will be placed on clinical laboratory safety issues, regulatory agencies, infection control policies, and professional responsibilities relative to other departments of healthcare.
(2/30/0/0/0/0/0/0/0/0/0/0)
MEDT-1005
Clinical Laboratory Operations

Prerequisite: Admission to the Medical Laboratory Technology (MLT) program or permission of instructor

This course will provide an overview of the clinical laboratory testing process, basic laboratory mathematics, testing methods, and quality control. Emphasis is placed on clinical laboratory safety issues, regulatory agencies, infection control policies, and professional responsibilities relative to other departments of healthcare.

(3/45/0/0/0/0/0/0/0/0/0)

MEDT-1010
Fundamentals of Phlebotomy

Co-requisite: Admission into the Phlebotomy (PBT), and/or Medical Laboratory Technician (MLT) program or permission of instructor

This course provides basic and advanced instruction on techniques, procedures, equipment, and issues pertaining to the proper collection of blood specimens for routine clinical laboratory testing. Emphasis is placed on infection prevention, universal precautions, proper patient identification, specimen processing, patient complications, arterial draw, unusual tests, non-blood specimens, quality assurance, and legal issues. MLT students who possess an active Phlebotomy Technician, PBT (ASCP) certificate through the American Society for Clinical Pathology Board of Certification (ASCP-BOC) may waive this course. Laboratory is concurrent with lecture.

(4/45/30/0/0/0/0/0/0/0/0)

MEDT-1210
Practicum: Phlebotomy

Co-requisite: MEDT-1010

This practicum will introduce the student to the profession and the practice of phlebotomy. Students will observe and practice phlebotomy skills and job tasks. Emphasis is placed on the application of phlebotomy knowledge and skills necessary to perform a variety of blood collection methods using proper techniques and precautions. The course will begin with a supervised clinical experience in a hospital or phlebotomy setting followed by an in-depth online review for the examination leading to certification as a phlebotomy technician.

(2.5/0/0/0/0/0/0/112.50/0)

MEDT-2100
Clinical Microbiology I

Prerequisite: Admission to the Medical Laboratory Technology (MLT) program or permission of instructor

This course examines the essential principles of mycology, parasitology, and virology relative to human disease with emphasis on the characteristics of clinically significant microorganisms and their biomedical profile, media for isolation, and identification methods for selected pathogens. The focus is on competence in general procedures, such as cultivation, isolation, and identification of organisms and evaluation and interpretation of laboratory data. The laboratory is integrated with lecture.

(3/30/30/0/0/0/0/0/0/0/0)

MEDT-2110
Urinalysis & Body Fluids

Prerequisite: Admission to the Medical Laboratory Technician (MLT) program or permission of instructor

This course introduces the study of urine formation and the methodology in determining the physical, chemical, and microscopic properties of urine in normal and abnormal states. Properties of body fluids will be discussed. Emphasis will be placed on examination, interpretation, and handling of urine and body fluid specimens, safety, and quality control. Laboratory is integrated with the lecture.

(3/30/30/0/0/0/0/0/0/0/0)

MEDT-2120
Clinical Immunology

Prerequisite: Admission to the Medical Laboratory Technology (MLT) program or permission of instructor

This course introduces the science of immunology and serology through the study of theories and processes related to natural body defenses. Emphasis will be placed on the immune response and principles of antigen-antibody reactions. Laboratory is integrated with lecture.

(3/30/30/0/0/0/0/0/0/0/0)

MEDT-2130
Clinical Chemistry

Prerequisite: MATH-1010

This course provides theoretical, fundamental, and basic instrumentation methodologies and includes practical concepts associated with testing procedures used in the clinical chemistry laboratory. Primary focus will be on student performance of diagnostic testing with emphasis in liver, kidney, and pancreatic function and vitamin
assays and their clinical correlation to disease states. Advanced topics in quality assurance, endocrine system, tumor markers, therapeutic drugs, and toxicology will be discussed. Laboratory is integrated with lecture.

(4/45/3/0/0/0/0/0/0/0/0)

**MEDT-2140**

**Clinical Hematology & Hemostasis**

*Prerequisite: Admission to the Medical Laboratory Technician (MLT) program or permission of instructor*

This course will provide theories and procedures of hematology and hemostasis. It includes human hematological disorders and classification based on clinical laboratory findings. Emphasis will be placed on formed elements of the blood and components of the coagulation cascade and their correlation with pathophysiology. Laboratory is integrated with lecture.

(4/45/3/0/0/0/0/0/0/0/0)

**MEDT-2150**

**Clinical Immunohematology**

*Prerequisite: MEDT-2120*

This is an introductory course to the theoretical principles and procedures in immunohematology and their application in the medical laboratory. It introduces basic genetics, blood collection and preservation, blood group antigens, and routine blood bank procedures. Transfusion safety and federal regulatory requirements are also included. Compatibility testing and antibody identification are emphasized. Laboratory is integrated with lecture.

(4/45/3/0/0/0/0/0/0/0/0)

**MEDT-2160**

**Clinical Microbiology II**

*Prerequisite: MEDT-2100*

This course examines the essential principles of bacteriology relative to human disease with emphasis on the characteristics of clinically significant microorganisms and their biomedical profile, media for isolation, and identification methods for selected pathogens. Emphasis is on competence in general procedures, such as cultivation, isolation, and identification of organisms and evaluation and interpretation of laboratory data. Laboratory is integrated with lecture.

(4/45/3/0/0/0/0/0/0/0/0)

**MEDT-2200**

**Practicum: Microbiology**

*Prerequisite: MEDT-2100 and MEDT-2160*

This practicum provides the student with the opportunity to practice skills in a supervised clinical experience within a hospital or clinic laboratory. These experiences will focus on the principles and procedures of clinical microbiology. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices, and medical laboratory technician professionalism.

(3/0/0/0/0/0/0/135/0)

**MEDT-2210**

**Practicum: Urinalysis**

*Prerequisite: MEDT-2110*

This practicum provides the student with the opportunity to practice skills in a supervised clinical experience within a hospital or clinic laboratory. These experiences will focus on the principles and procedures of urinalysis and body fluids analysis. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices, and medical laboratory technician professionalism.

(2/0/0/0/0/0/0/90/0)

**MEDT-2220**

**Practicum: Immunology**

*Prerequisite: MEDT-2120*

This practicum provides the student with the opportunity to practice skills in a supervised clinical experience within a hospital or clinic laboratory. These experiences will focus on principles and procedures of immunology and serology. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices, and medical laboratory technician professionalism.

(2/0/0/0/0/0/0/90/0)

**MEDT-2230**

**Practicum: Chemistry**

*Prerequisite: MEDT-2130*

This practicum provides the student with the opportunity to practice skills in a supervised clinical experience within a hospital or clinic laboratory. These experiences will focus on principles and procedures of clinical chemistry. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices, and medical laboratory technician professionalism.

(3/0/0/0/0/0/0/135/0)
MEDT-2240
Practicum: Hematology
Prerequisite: MEDT-2140
This practicum provides the student with the opportunity to practice skills in a supervised clinical experience within a hospital or clinic laboratory. These experiences will focus on principles and procedures of hematology and hemostasis. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices, and medical laboratory technician professionalism.
(3/0/0/0/0/0/0/0/135/0)

MEDT-2250
Practicum: Immunohematology
Prerequisite: MEDT-2150
This practicum provides the student with the opportunity to practice skills in a supervised clinical experience within a hospital or clinic laboratory. These experiences will focus on principles and procedures of immunohematology. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices, and medical laboratory technician professionalism.
(3/0/0/0/0/0/0/0/135/0)

MEDT-2300
MLT Certification Exam Preparation Review
Prerequisite: MEDT-2200, MEDT-2230, MEDT-2240, and MEDT-2250
This course will provide students with concepts and techniques necessary to pass the Medical Laboratory Technician certification examination. Emphasis will be placed on the application of critical thinking and theory of laboratory concepts.
(3/45/0/0/0/0/0/0/0/0)

Music

MUSC-1000
Music Convocation
Co-requisite: Enrollment in respective applied lesson course
This course requires attendance at weekly Music Convocation, performance in Music Convocation by the student, attendance at approved music performances, and supplemental instruction related to private music lessons.
Registration is required each semester for all students enrolled in applied music courses. Pass/fail grade only; successful completion of four semesters required for all music degrees.
(0/0/0/0/0/15/0/0/0)

MUSC-1010
Music Appreciation
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a humanities requirement for AA or AS degree
This course is an introduction and overview of the history of Western art music, from the Middle Ages to modern times. Includes the elements of music, historical style periods, and major composers and selected works.
(3/45/0/0/0/0/0/0/0/0)

MUSC-1015I
Introduction to Woodwind Instruments
This course is designed for students who are beginning to play a woodwind instrument or a beginning, intermediate, or advanced non-degree seeking student. It is also for those interested in learning woodwind fundamentals before moving on to MUSC-1015. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. A student may take this course indefinitely; however, only four (4) credits may be used towards graduation requirements. This course may be audited or taken for credit.
(1/0/0/0/0/15/0/0/0)

MUSC-1015
Applied Music: Woodwind Instruments I
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. It is also for non-music majors that meet proficiency standards in a woodwind instrument. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/15/0/0/0)
MUSC-1015P
Applied Music: Woodwind Instruments
Performance I

Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/0/30/0/0/0)

MUSC-1020
Applied Music: Woodwind Instruments II

Prerequisite: MUSC-1015 and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music Program or the AA music education program. It is also for non-music majors that meet proficiency standards in a woodwind instrument. Students will build on the skills learned in previous level(s) and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-1020P
Applied Music: Woodwind Instruments
Performance II

Prerequisite: MUSC-1015P and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students will build on the skills learned in previous level(s) and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/0/30/0/0/0)

MUSC-1040I
Introduction to Brass Instruments

This course is designed for students who are beginning to play a brass instrument or a beginning, intermediate, or advanced non-degree seeking student. This course is for those interested in learning brass fundamentals before moving on to MUSC-1040. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. A student may take this course indefinitely; however, only four (4) credits may be used towards graduation requirements. This course may be audited or taken for credit.
(1/0/0/0/0/0/0/0/15/0/0/0)

MUSC-1040
Applied Music: Brass Instruments I

Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in a brass instrument. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-1040P
Applied Music: Brass Instruments
Performance I

Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)
MUSC-1050
Applied Music: Brass Instruments II

Prerequisite: MUSC-1040
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-1050P
Applied Music: Brass Instruments Performance II

Prerequisite: MUSC-1040P and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-1060
Applied Music: String Instruments I

Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-1060P
Applied Music: String Instruments Performance I

Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-1070
Applied Music: String Instruments II

Prerequisite: MUSC-1060 and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. It is also for non-music majors that meet proficiency standards in a string instrument. Students will build on the skills learned in previous level(s), and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)
M USC-1070P
Applied Music: String Instruments
Performance II
Prerequisite: M USC-1060P and instructor consent
Co-requisite: M USC-1000
This course is designed for students who are in the AFA music performance program. Students will build on the skills learned in previous level(s), and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite M USC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/30/0/0/0)

M USC-1090I
Introduction to Percussion Instruments
This course is designed for students who are beginning to play a percussion instrument or a beginning, intermediate, or advanced non-degree seeking student. This course is for those interested in learning percussion instruments fundamentals before moving on to M USC-1090. The focus is on learning the basics of percussion and drum set. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. A student may take this course indefinitely; however, only four (4) credits may be used towards graduation requirements. This course may be audited or taken for credit.
(1/0/0/0/0/0/0/15/0/0/0)

M USC-1090
Applied Music: Percussion Instruments I
Co-requisite: M USC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in percussion instruments. The focus is on snare drum, two mallet keyboards, multiple percussion, and drum set. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite M USC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/15/0/0/0)

M USC-1090P
Applied Music: Percussion Instruments
Performance I
Co-requisite: M USC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. The focus is on snare drum, two- and four-mallet keyboards, multiple percussion, timpani, and drum set. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite M USC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/30/0/0/0)

M USC-1100
Applied Music: Percussion II
Prerequisite: M USC-1090
Co-requisite: M USC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in percussion instruments. The focus is on snare drum, two mallet keyboards, multiple percussion, timpani, and drum set. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite M USC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/15/0/0/0)

M USC-1100P
Applied Music: Percussion Instruments
Performance II
Prerequisite: M USC-1090P
Co-requisite: M USC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. The focus is on snare drum, two- and four-mallet keyboards, multiple percussion, timpani, and drum set. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite
MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/0/30/0/0/0)

**MUSC-1110**

**Keyboarding Skills I**

*Prerequisite: Instructor consent*

This is the first semester of a four-semester sequence for the beginning piano student and provides an introduction to playing the piano. Students develop skills in finger control, hand independence, and pedal technique and acquire and demonstrate skills in note reading, interpreting meter signatures and corresponding rhythms found in that meter, simple harmonization of melodies, and sight reading.
(1/0/0/0/0/0/0/0/15/0/0/0)

**MUSC-1111**

**Keyboarding Skills II**

*Prerequisite: MUSC-1110*

This course is the second semester of a four-semester sequence for the beginning piano student and provides an introduction to playing the piano. Students continue to develop skills in finger control, hand independence, and pedal technique and to acquire and demonstrate skills in sight reading, interpreting meter and rhythm, simple harmonization of melodies using basic chords and proscribed chord progressions, and all major scales.
(1/0/0/0/0/0/0/0/15/0/0/0)

**MUSC-1112**

**Keyboarding Skills III**

*Prerequisite: MUSC-1111*

This is the third semester of a four-semester sequence for the beginning piano student. Students continue to develop skills in finger control, hand independence, and pedal technique and to acquire and demonstrate skills in sight reading (homophonic pieces, score part-reading, and hymnal reading), harmonization of melodies using all diatonic chord or prescribed chord progressions, and all harmonic minor scales. Students also demonstrate skills in transposition, basic accompanying technique, and singing and playing together.
(1/0/0/0/0/0/0/0/15/0/0/0)

**MUSC-1113**

**Keyboarding Skills IV**

*Prerequisite: MUSC-1112*

This is the final semester of a four-semester sequence for the beginning piano student. Students continue to develop skills in finger control, hand independence, and pedal technique and to acquire and demonstrate skills in sight reading (homophonic pieces, score part-reading, and hymnal reading), harmonization of melodies using all diatonic chord or prescribed chord progressions, and all harmonic major and minor scales. Students will also demonstrate skills in transposition, basic accompanying technique, and singing and playing together.
(1/0/0/0/0/0/15/0/0/0/0)

**MUSC-1115**

**Piano Proficiency Exam**

This exam is to prove piano proficiency for music majors seeking an AFA degree. The student is required to receive a satisfactory grade on the Piano Proficiency Exam to meet graduation requirements. This exam is transcribed and may be taken at any time.
(0/0/0/0/0/0/0/0/0/0/0/0)

**MUSC-1120I**

**Introduction to Piano**

This course is designed for students who are beginning to play piano or a beginning, intermediate, or advanced non-degree seeking student. This course is for those interested in learning piano fundamentals before moving on to MUSC-1120. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student's and instructor's schedule. A student may take this course indefinitely; however, only four (4) credits may be used towards graduation requirements. This course may be audited or taken for credit.
(1/0/0/0/0/0/0/0/15/0/0/0)

**MUSC-1120**

**Applied Music: Piano I**

*Co-requisite: MUSC-1000*

This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in piano. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student's and instructor's schedule. Students will study piano technique, including the following: posturing, fingering, hand position, scales, chords, arpeggios, and treble and bass clef. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0/0)

201
MUSC-1120P
Applied Music: Piano Performance I
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Students will study piano technique, including the following: posturing, fingering, hand position, scales, chords, arpeggios, and treble and bass clef. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/30/0/0/0)

MUSC-1130
Applied Music: Piano II
Prerequisite: MUSC-1120
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in piano. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students will study piano technique, including the following: posturing, fingering, hand position, scales, chords, arpeggios, and treble and bass clef. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1130P
Applied Music: Piano Performance II
Prerequisite: MUSC-1120P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Students will study piano technique, including the following: posturing, fingering, hand position, scales, chords, arpeggios, and treble and bass clef. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/30/0/0/0)

MUSC-1140I
Introduction to Voice
This course is designed for students who are either beginning to sing, students not enrolled in a course of study at WNCC, or students preparing to audition for MUSC-1140. Instruction on singing technique with an emphasis on range, diction, and tone is given. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. A student may take this course indefinitely; however, only four (4) credits may be used towards graduation requirements. This course may be audited or taken for credit.
(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1140
Applied Music: Voice I
Prerequisite: Instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in voice. Students must meet all course proficiencies before moving on to the next level. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1141
Applied Music: Voice Performance I
Co-requisite: MUSC-1000
The course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and singing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must
pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/30/0/0/0/0)

MUSC-1150
Applied Music: Voice II
Prerequisite: MUSC-1140 and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in voice. Students must meet all course proficiencies before moving on to the next level. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/15/0/0/0/0)

MUSC-1151
Applied Music: Voice Performance II
Prerequisite: MUSC-1141
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and singing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedules. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/30/0/0/0/0)

MUSC-1160
Western Nebraska Winds
Prerequisite: High school band experience (or equivalent)
Western Nebraska Winds is a traditional concert band open to all students with suitable instrumental background. An audition/interview is required for all new band members. The band presents one to two concert programs each semester and provides suitable music for various College functions.
(1/0/0/0/45/0/0/0/0/0)

MUSC-1200
Collegiate Chorale
Prerequisite: ENGL-0070 or ACCUPLACER (or other appropriate placement exam)
Collegiate Chorale, a traditional mixed chorus of men and women’s voices, is the primary ensemble of the vocal music program. Collegiate Chorale performs the very finest vocal literature by master composers in two to four concerts per year and focuses on the development of proper vocal technique, the performance of quality repertoire, and the practice of proper concert etiquette. This course may be taken for a total of (4) four semesters for credit.
(1/0/0/0/45/0/0/0/0/0/0)

MUSC-1230
Fire in The Pan Swingers
Prerequisite: Audition required
Fire in the Pan Swingers is a traditional big band. While much of its repertoire is based in the Swing Era, it also pulls freely from more modern jazz, Latin jazz, show tunes, and rock. The Swingers typically perform two concert programs per semester. An audition is required for all new band members.
(1/0/0/0/45/0/0/0/0/0)

MUSC-1240
Varsity Vocalise
Prerequisite: Audition required
Co-requisite: MUSC-1200
This select small ensemble sings the very best of pop, jazz, and Broadway favorites. Development of stage presence and poise, stage movement, vocal technique, and public relations skills are a primary goal. Varsity Vocalise performs often during the school day, evenings, and weekends and is a showcase for both the music program and the school within the community and the entire region. Audition is required. This course may be taken a total of four (4) semesters of credit.
(1/0/0/0/45/0/0/0/0/0)

MUSC-1260
Cougar Rock Band
Prerequisite: Audition required
The Cougar Rock Band is a traditional rock band with a horn line. Its repertoire varies widely from year to year, based on student interests and abilities, as well as concert themes for the larger performances. Repertoire includes music from the 1950’s through today, and styles include rock, funk, rap, country, R&B, and pop. The Cougar Rock
Band typically performs one to two concert programs per semester. It also tours each semester. An audition is required for all new band members.

MUSC-1370
Introduction to Guitar
This course is designed for students who are beginning to play guitar or a beginning, intermediate, or advanced non-degree seeking student. This course is for those interested in learning guitar fundamentals before moving on to MUSC-1370. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedules. A student may take this course indefinitely; however, only four (4) credits may be used towards graduation requirements. This course may be audited or taken for credit.

MUSC-1370
Applied Music: Guitar 1
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in guitar. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.

MUSC-1370P
Applied Music: Guitar Performance I
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies in guitar before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.

MUSC-1380
Applied Music: Guitar II
Prerequisite: MUSC-1370
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors but meet proficiency standards in guitar or who have successfully passed MUSC-1370. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.

MUSC-1380P
Applied Music: Guitar Performance II
Prerequisite: MUSC-1370P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies in MUSC-1370P before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.

MUSC-1410
Music Fundamentals
This course is designed for music theatre majors, though it can also be used by music majors as a precursor to the two-year music theory curriculum. A beginning course in the study of music reading, the curriculum centers on the performance of written music. Though both keyboard and vocal application are strongly emphasized, technique is not evaluated.

MUSC-1420
American Popular Music
*Prerequisite: ENGL-0050 or ACCUPLACER (or other appropriate placement exam)*
Satisfies a humanities requirement for AA or AS degree
This course provides a survey of the various styles of American popular music from 1840 to the present including folk music, ragtime, blues, jazz, and rock.
(3/4/5/0/0/0/0/0/0/0/0)

MUSC-1455
Music Theory I
*Co-requisite: MUSC-1455L*
This course is designed for music majors and minors. A beginning course in the study of the language of music, it covers the four fundamentals of music theory: keys, scales, intervals, and triads. Keyboard application, sight singing, and dictation are not included in this class, but are included in the accompanying lab.
(3/4/5/0/0/0/0/0/0/0)

MUSC-1455L
Music Theory I Lab
*Co-requisite: MUSC-1455*
This lab is designed for music majors and minors enrolled in MUSC-1455. This course will provide students with the opportunity to reflect upon and practice concepts from the lecture portion of MUSC-1455. It will emphasize keyboard application, sight singing, and rhythmic performance.
(1/0/3/0/0/0/0/0/0/0)

MUSC-1475
Music Theory II
*Prerequisite: MUSC-1455 and MUSC-1455L*
*Co-requisite: MUSC-1475L*
This course is a continuation of MUSC-1455, providing an advanced study of the harmonic materials in tonal music. It completes the study of non-harmonic tones and begins the study of altered chords. Diatonic harmony, diatonic modulation, basic form, and basic composition are taught. Keyboard application, sight singing, and dictation are not included in this class but are included in the accompanying lab.
(3/4/5/0/0/0/0/0/0/0)

MUSC-1475L
Music Theory II Lab
*Prerequisite: MUSC-1455 and MUSC-1455L*
*Co-requisite: MUSC-1475*
This lab is a continuation of MUSC-1455L and is designed for music majors and minors enrolled in MUSC-1475. This course will provide students with the opportunity to reflect upon and practice concepts from the lecture portion of MUSC-1475. It will emphasize keyboard application, sight singing, and rhythmic performance.
(1/0/3/0/0/0/0/0/0/0)

MUSC-2010
Applied Music: Woodwind Instruments III
*Prerequisite: MUSC-1020 and Instructor Consent*
*Co-requisite: MUSC-1000*
This course is designed for students who are in the AFA music program or the AA music education program. It is also for non-music majors that meet proficiency standards in a woodwind instrument. Students will build on the skills learned in previous level(s), and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/3/0/0/0/0/0/15/0/0/0)

MUSC-2010P
Applied Music: Woodwind Instruments Performance III
*Prerequisite: MUSC-1020P and instructor consent*
*Co-requisite: MUSC-1000*
This course is designed for students who are in the AFA music performance program. Students will build on the skills learned in previous level(s) and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/3/0/0/0/0/30/0/0/0)

205
MUSC-2020
Applied Music: Woodwind Instruments IV
Prerequisite: MUSC-2010 and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. It is also for non-music majors that meet proficiency standards in a woodwind instrument. Students will build on the skills learned in previous level(s). Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-2020P
Applied Music: Woodwind Instruments Performance IV
Prerequisite: MUSC-2010P and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students will build on the skills learned in previous level(s). Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-2040
Applied Music: Brass Instruments III
Prerequisite: MUSC-1050
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in a brass instrument after successfully completing MUSC-1050. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-2040P
Applied Music: Brass Instruments Performance III
Prerequisite: MUSC-1050P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-2050
Applied Music: Brass Instruments IV
Prerequisite: MUSC-2040
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in a brass instrument after successfully completing MUSC-2040. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-2050P
Applied Music: Brass Instruments Performance IV
Prerequisite: MUSC-2040P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)
MUSC-2060
Applied Music: String Instruments III
Prerequisite: MUSC-1070 and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. It is also for non-music majors that meet proficiency standards in a string instrument. Students will build on the skills learned in previous level(s), and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/0/0/0)

MUSC-2060P
Applied Music: String Instruments Performance III
Prerequisite: MUSC-1070P and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students will build on the skills learned in previous level(s), and must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/0/0/0)

MUSC-2070
Applied Music: String Instruments IV
Prerequisite: MUSC-2060 and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. It is also for non-music majors that meet proficiency standards in a string instrument. Students will build on the skills learned in previous level(s). Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/0/15/0/0)

MUSC-2070P
Applied Music: String Instruments Performance IV
Prerequisite: MUSC-2060P and instructor consent
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students will build on the skills learned in previous level(s). Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/0/30/0/0)

MUSC-2090
Applied Music: Percussion Instruments III
Prerequisite: MUSC-1100
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in percussion instruments. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. The focus is on snare drum, two and four mallet keyboards, multiple percussion, timpani and drum set. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/0/0/15/0/0)

MUSC-2090P
Applied Music: Percussion Instruments Performance III
Prerequisite: MUSC-1100P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. The focus is on snare drum, two- and four-mallet keyboards, multiple percussion, timpani, and drum set. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite
MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-2100
Applied Music: Percussion Instruments IV
Prerequisite: MUSC-2090
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in percussion instruments. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. The focus is on snare drum, two and four mallet keyboards, multiple percussion, timpani and drum set. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-2100P
Applied Music: Percussion Instruments Performance IV
Prerequisite: MUSC-2090P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. The focus is on snare drum, two- and four-mallet keyboards, multiple percussion, timpani, and drum set. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-2120
Applied Music: Piano III
Prerequisite: MUSC-1130
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA Music program or the AA Music Education program. This course is also for non-music majors but meet proficiency standards in piano. Students must meet all course proficiencies before moving on to the next level.
Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students will study piano technique, including the following: posturing, fingering, hand position, scales, chords, arpeggios, and treble and bass clefs. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-2120P
Applied Music: Piano Performance III
Prerequisite: MUSC-1130P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Students will study piano technique, including the following: posturing, fingering, hand position, scales, chords, arpeggios, and treble and bass clefs. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)
MUSC-2130P
Applied Music: Piano Performance IV

Prerequisite: MUSC-2120P
Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Students will study piano technique, including the following: posturing, fingering, hand position, scales, chords, arpeggios, and treble and bass clef. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/0/30/0/0/0)

MUSC-2140
Applied Music: Voice III

Prerequisite: MUSC-1150 and instructor consent
Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors but meet proficiency standards in voice. Students must meet all course proficiencies before moving on to the next level. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student's and instructor's schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-2141
Applied Music: Voice Performance III

Prerequisite: MUSC-1151
Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and singing skills required in the professional music industry. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Meeting times are arranged to fit the student's and instructor's schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-2150
Applied Music: Voice IV

Prerequisite: MUSC-2140 and instructor consent
Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors but meet proficiency standards in voice. Students must meet all course proficiencies before moving on to the next level. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student's and instructor's schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0)

MUSC-2151
Applied Music: Voice Performance IV

Prerequisite: MUSC-2141
Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and singing skills required in the professional music industry. The student studies vocal pedagogy and suitable solo materials. Emphasis is upon range, diction, and clarity of sound. Meeting times are arranged to fit the student's and instructor's schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0)

MUSC-2160
Applied Music: Diction for Singers I

Prerequisite: MUSC-1151

In this course, the student studies, writes, and performs the phonetics and pronunciation of the International Phonetic Alphabet (IPA) as it applies to singing in English, Latin, and Italian. Meeting times will be arranged individually between instructor and student.
(2/0/0/0/0/0/30/0/0/0)
MUSC-2170
Applied Music: Diction for Singers II
Prerequisite: MUSC-2160
In this course, the student studies, writes, and performs the phonetics and pronunciation of the International Phonetic Alphabet (IPA) as it applies to singing in German, French, and Spanish. Meeting times will be arranged individually between instructor and student.
(2/0/0/0/0/0/0/30/0/0/0)

MUSC-2180
Applied Music: Guitar III
Prerequisite: MUSC-1380
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors that meet proficiency standards in guitar or who have successfully passed MUSC-1380. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0/0)

MUSC-2180P
Applied Music: Guitar Performance III
Prerequisite: MUSC-1380P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies in MUSC-1380P before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0/0)

MUSC-2190
Applied Music: Guitar IV
Prerequisite: MUSC-2180
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music program or the AA music education program. This course is also for non-music majors but meet proficiency standards in guitar or who have successfully passed MUSC-2180. Students must meet all course proficiencies before moving on to the next level. Instruction is delivered weekly in a 30-minute private lesson. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(1/0/0/0/0/0/15/0/0/0/0)

MUSC-2190P
Applied Music: Guitar Performance IV
Prerequisite: MUSC-2180P
Co-requisite: MUSC-1000
This course is designed for students who are in the AFA music performance program. Students must meet all course proficiencies in MUSC-2180P before moving on to the next level. Instruction is delivered weekly in a one-hour private lesson designed to help students gain comprehensive teaching and playing skills required in the professional music industry. Meeting times are arranged to fit the student’s and instructor’s schedule. Students must pass co-requisite MUSC-1000 in order to receive a passing grade in applied lessons.
(2/0/0/0/0/0/30/0/0/0/0)

MUSC-2455
Music Theory III
Prerequisites: MUSC-1475 and MUSC-1475L
Co-requisite: MUSC-2455L
This course is a continuation of MUSC-1475. Altered chords, chromatic modulation, and techniques for suspension of tonality are taught. The study of forms (both large and small) is continued. Keyboard application, sight singing, and dictation are not included in this class, but are included in the accompanying lab.
(3/45/0/0/0/0/0/0/0/0/0)

MUSC-2455L
Music Theory III Lab
Prerequisites: MUSC-1475 and MUSC-1475L
Co-requisite: MUSC-2455
This lab is a continuation of MUSC-1475L and is designed for music majors and minors enrolled in MUSC-2455. This course will provide students with the opportunity to reflect upon and practice concepts from the lecture portion of MUSC-2455. It will emphasize keyboard application, sight singing, and rhythmic performance.
(1/0/30/0/0/0/0/0/0/0/0)
MUSC-2475
Music Theory IV
Prerequisites: MUSC-2455 and MUSC-2455L
Co-requisite: MUSC-2475L
This course is a continuation of MUSC-2455 and provides an overview of many of the “isms” of twentieth-century classical music (impressionism, serialism, etc.). The course includes a large composition component. The use of music-publishing software will be included. Keyboard application, sight singing, and dictation are not included in this class, but are included in the accompanying lab.
(3/45/0/0/0/0/0/0/0/0/0/0)

MUSC-2475L
Music Theory IV Lab
Prerequisites: MUSC-2455 and MUSC-2455L
Co-requisite: MUSC-2475
This lab is a continuation of MUSC-2455L and is designed for music majors and minors enrolled in MUSC-2475. This course will provide students with the opportunity to reflect upon and practice concepts from the lecture portion of MUSC-2475. It will emphasize keyboard application, sight singing, and rhythmic performance.
(1/0/30/0/0/0/0/0/0/0/0/0)

Nursing

NURS-1410
Pharmacology I
Prerequisite: Admission to the Practical Nursing program
Co-requisites: LPNR-1250, LPNR-1250L, LPNR-1270, LPNR-1270C, and NURS-1410L
This theory course provides students with working knowledge of the concepts of pharmacology, including classification, indication of use, mechanism of action, adverse effects, contraindications, drug interactions, and nursing responsibilities of safe medication administration. The nursing process, dosage calculations, client and family education, and age-appropriate techniques are incorporated as they apply safe administration of medications to clients of all ages. Selected content and drug classes examined in the course include basic math concepts, introduction to pharmacology, intravenous therapy, and drugs affecting the endocrine, immune, urinary, and gastrointestinal systems.
(2/22.5/15/0/0/0/0/0/0/0/0/0)

NURS-1480
Pharmacology II
Prerequisite: Completion of first semester of the Practical Nursing program
Co-requisites: LPNR-2280, LPNR-2290, and LPNR-2720
This theory course is a continuation of NURS-1410. The course explains drug effects on body systems not previously covered in NURS-1410 and focuses on classification, indication of use, mechanism of action, adverse effects, contraindications, drug interactions, and nursing responsibilities for safe medication administration. Students continue to use math computation skills for drug calculations. The course reinforces the nursing process and age-appropriate techniques as they apply to safe administration of medication to clients of all ages. Selected content and drug classes examined in this course include drugs affecting the cardiovascular, peripheral nervous, respiratory, neuromuscular, and central nervous systems, and drugs used to manage pain.
(2/30/0/0/0/0/0/0/0/0/0/0)

NURS-2000
National Council Licensure Exam-Registered Nurse (NCLEX-RN) Review
Prerequisite: Successful completion of any registered nurse curriculum or anticipated successful completion within the next six months of any registered nurse curriculum.
This course provides the student with a review of the categories and content included in the NCLEX-RN (National Council Licensure Examination - Registered Nurse), emphasizing an assessment-based, individualized plan of review.
(2/30/0/0/0/0/0/0/0/0/0/0)

Nursing (Assistant/Aide)

NURA-1195
Basic Nursing Assistant
Prerequisites:
- Be at least 16 years of age
- Be able to speak and understand English
- Cannot be convicted of a crime involving moral turpitude
- Successful completion of 80 clock credits of training and state testing approved by the Nebraska Department of Health and Human Services
This course is designed to provide students with the essential knowledge and skills to deliver basic care to
resident/clients of healthcare facilities. Topics include resident rights, communications, safety, observations, reporting, and assisting residents/clients in maintaining basic comfort and safety. Upon completion of the course, the student will arrange to take a written or oral examination and will demonstrate skill competency. The course is designed to meet the training requirements of the federal and Nebraska state law for nursing assistants working in licensed facilities.

(4.5/45.0/45.0/0/0/0/0/0/0/0/0)

Nursing (AD-N)

ADNR-1000

Associate Degree Nursing (AD-N) Traditional Program Review for Readmission

Prerequisites:

- Successful completion of ATI critical thinking entrance exam with a minimum score of 60.
- Successful completion of TEAS exam with a score at Proficiency Level or higher.
- Entrance exam scores must be within past two years.
- Letter of desire to reenter the Associate Degree Nursing (AD-N) program must be sent to the Nursing Program Director by procedure deadline.

The student will be registered for the appropriate ADNR-1000 course when these criteria have been met.

Notes:

- The student is only eligible to apply for readmission into the program for the academic year following withdrawal.
- The student can re-enter the program one time only.
- Completion of this course does not guarantee readmission into the program. There must be an opening in the current cohort for the student to be readmitted. The cohort group can hold a maximum of 16 students in the first year of the program and 24 students in the second year of the program.
- Upon successful completion of the re-entry course, the student must meet the physical, immunization, background check, CPR, liability insurance, and clinical orientation requirements of the program.
- This re-entry course must be completed at least two (2) weeks prior to the beginning date of the ADNR course to be entered.

This pass/no pass course provides the student with an opportunity to demonstrate competence in the application of nursing theory and skills attained in successfully completed associate degree nursing courses (ADNR prefix courses) prior to reentry into the AD-N Program. Prior to demonstrating competence in skills, the student will review and update his/her knowledge of asepsis, sterile technique, positioning, range of motion exercises, safety measures, documentation, dosage calculation, medication administration principles and techniques, intravenous therapy, assessment, the nursing process, and nursing theoretical knowledge associated with previously successfully completed AD-N courses. The student will have access to videos and the nursing lab to practice the skills individually to refresh his/her knowledge prior to the class. Competence in the application of nursing theory and skills will be demonstrated through 100% accuracy on Nursing Program math exam, Level I score or greater proficiency on required ATI Content Mastery exams, clinical evaluation, clinical simulations, and return demonstrations.

(0.5/0.22.5/0/0/0/0/0/0/0/0/0)

ADNR-1005

Associate Degree Nursing (AD-N) Advanced Placement Review for Readmission

Prerequisites:

- Successful completion of HESI LPN-ADM entrance exam with a minimum score of 850.
- Successful completion of ATI critical thinking entrance exam with a minimum score of 60.
- Entrance exam scores must be within past two years.
- Current unencumbered LPN license.
- Letter of desire to reenter the Advanced Placement Associate Degree - Nursing (AD-N) program must be sent to the Nursing Program Director by procedure deadline.

The student will be registered for the appropriate ADNR-2000 course when these criteria have been met.

Notes:

- The student is only eligible to apply for readmission into the program for the academic year following withdrawal.
- The student can re-enter the program one time only.
- Completion of this course does not guarantee readmission into the program. There must be an opening in the current cohort for the student to be readmitted. The cohort group can hold a maximum of 16 students in the first year of the program and 24 students in the second year of the program.
- Upon successful completion of the re-entry course, the student must meet the physical, immunization,
background check, CPR, liability insurance, and clinical orientation requirements of the program.

- This re-entry course must be completed at least two (2) weeks prior to the beginning date of the ADN course to be entered.

This pass/no pass course provides the student currently holding an unencumbered LPN license with an opportunity to demonstrate competence in application of nursing theory and skills attained in successfully completed Advanced Placement associate degree nursing courses (ADNR prefix courses) prior to reentry into the AD-N Program. Prior to demonstrating competence in skills, the students will review and update their knowledge of asepsis, sterile technique, positioning, range of motion exercises, safety measures, documentation, dosage calculation, medication administration principles and techniques, intravenous therapy, assessment, the nursing process, and nursing theoretical knowledge associated with previously successfully completed AD-N courses. The student will have access to videos and the nursing lab to practice the skills individually to refresh his/her knowledge prior to the class. Competence in application of nursing theory and skills will be demonstrated through 100% accuracy on Nursing Department math exam and Level I score or greater on required ATI Content Mastery Exams, clinical evaluation, clinical simulations, and return demonstrations.

(0.5/0/22.5/0/0/0/0/0/0/0)

ADNR-1112
Fundamentals of Nursing Practice

**Prerequisite: Admission to the AD-N Program**

**Co-requisites: ADNR-1112L, ADNR-1132, ADNR-1160, and ADNR-1160L**

This five (5) credit hour theory/lab/clinical course is an introduction to basic nursing concepts and skills. Utilizing the nursing process, evidence-based practice, and Maslow’s Hierarchy, students learn the specific concepts needed for planning nursing care to address the client’s physiologic, psychosocial, and developmental needs. Topics include, but are not limited to, activities of daily living, asepsis, and safety. Content in the course is presented in three (3) theory credits and in two (2) lab/clinical credits.

(5/45/0/0/0/0/0/0/0/0)

ADNR-1112L
Fundamentals of Nursing Practice

**Prerequisite: Admission to the AD-N Program**

**Co-requisite: ADNR-1112, ADNR-1132, ADNR-1160, and ADNR-1160L**

ADNR-1122
Principles of Pharmacology I

**Prerequisite: Admission to the AD-N Program**

**Co-requisites: ADNR-1134, ADNR-1141, ADNR-1141L, ADNR-1151, and ADNR-1151L or permission of the instructor**

This theory course provides an overview of basic concepts of pharmacotherapeutics, pharmacokinetics, and pharmacodynamics and safe medication administration. Selected drug classes examined in this course include:

- drugs affecting the gastrointestinal system;
- antibiotic agents;
- drugs for pain management;
- drugs affecting the peripheral and central nervous systems;
- drugs affecting the cardiovascular system;
- drugs affecting the respiratory system;
- drugs affecting the renal system; and
- drugs affecting the endocrine systems (excluding pituitary and adrenal agents).

Prototype agents for each class are examined, including indications, mechanism of action, precautions, contraindications, adverse effects, routes of administration and nursing implications, including client/family teaching.

(2/30/0/0/0/0/0/0/0/0)

ADNR-1132
Pathophysiology I

**Prerequisite: BIOS-2250, BIOS-2260, and admission into the AD-N Program or permission of the instructor**

This is the first part of a two-part theory course in pathophysiology. This course focuses on the pathophysiologic basis for alterations in adult health. Concepts covered include selected alterations in protection, homeostasis, function, and regulation (i.e. cell and tissue biology, biology of cancer and tumor spread, integument, immunity, stress, and comfort).

(2/30/0/0/0/0/0/0/0/0)

ADNR-1134
Pathophysiology II

**Prerequisite: ADNR-1132 or permission of the instructor**

This is the second part of a two-part theory course in pathophysiology. This course focuses on the pathophysiologic basis for alterations in adult health. Concepts covered include alterations in selected regulatory and homeostatic mechanisms and selected body systems (i.e. hormones, neurologic function,
musculoskeletal, digestive, pulmonary, cardiovascular and lymphatic systems).

(2/30/0/0/0/0/0/0/0/0/0)

ADNR-1141
Adult Health & Illness I
Prerequisite: ADNR-1112, ADNR-1112L, ADNR-1132, ADNR-1160, ADNR-1160L, and BIOS-2050
Co-requisites: ADNR-1122, ADNR-1134, and ADNR-1141L
This four (4) credit hour theory/lab/clinical course is the first of four courses presented to develop an understanding of health promotion and illness in the adult client. Emphasis is placed on the role of the registered nurse in providing client care as a member of an interdisciplinary healthcare team. The nursing process, evidence-based practice, and Maslow's Hierarchy are utilized as the conceptual bases for presentation of this material. Topics include the introduction to nursing care of the adult client; fluid, electrolyte and acid/base balance; perioperative care; skin integrity; musculoskeletal system; and upper gastrointestinal system. Content in the course is presented in two (2) theory credit hours and two (2) lab/clinical credit hours. Clinical and simulated activities provide students with experience in client care.

(4/30/0/0/0/0/0/0/0/0/90/0)

ADNR-1141L
Adult Health & Illness I Lab/Clinical
Prerequisite: ADNR-1112, ADNR-1112L, ADNR-1132, ADNR-1160, ADNR-1160L, and BIOS-2050
Co-requisites: ADNR-1122, ADNR-1134, and ADNR-1141

ADNR-1151
Adult Health & Illness II
Prerequisite: ADNR-1112, ADNR-1112L, ADNR-1132, ADNR-1141, ADNR-1141L, ADNR-1160, ADNR-1160L, and BIOS-2050
Co-requisites: ADNR-1122 ADNR-1134, and ADNR-1151L
This four (4) credit hour theory/lab/clinical course is the second of four courses presented to develop an understanding of health promotion and illness in the adult client. Emphasis is placed on the role of the registered nurse in providing client care as a member of an interdisciplinary healthcare team. The nursing process, evidence-based practice, and Maslow's Hierarchy are utilized as the conceptual bases for presentation of this material. Topics include intestinal, respiratory and cardiovascular systems as well as care of the client with diabetes mellitus. Content in the course is presented in two (2) theory credit hours and two (2) lab/clinical credit hours. Clinical and simulated activities provide students with experience in client care.

(4/30/0/0/0/0/0/0/0/0/90/0)

ADNR-1151L
Adult Health & Illness II Lab/Clinical
Prerequisite: ADNR-1112, ADNR-1112L, ADNR-1132, ADNR-1141, ADNR-1141L, ADNR-1160, ADNR-1160L, and BIOS-2050
Co-requisites: ADNR-1122 ADNR-1134, and ADNR-1151

ADNR-1160
Health Assessment
Prerequisite: Admission to the AD-N program or instructor consent
Co-requisite: ADNR-1160L
This two (2) credit hour theory/lab course addresses health assessment of adult clients and facilitates development of competencies in assessment techniques. Health assessment includes analysis and interpretation of data from multiple sources including, but not limited to, laboratory and radiological reports; growth and development milestones; and health appraisal of physical, mental, nutritional, psychosocial, and cultural information. Critical thinking is emphasized. Domestic violence assessment is also addressed.

(2/22/5/0/0/0/0/0/0/0/0)

ADNR-1160L
Health Assessment Lab/Clinical
Prerequisite: Admission to the AD-N program or instructor consent
Co-requisite(s): ADNR-1160

ADNR-2112
Care of the Older Adult
Prerequisite: Successful completion of the first two (2) semesters for the traditional AD-N program or admission into the Advanced Placement (AP) program
Co-requisites: ADNR-1160 and ADNR-1160L (if not completed before admission), ADNR-2112L, ADNR-2122, ADNR-2122L, ADNR-2126, ADNR-2126L, ADNR-2141, and ADNR-2141L
This theory/lab/clinical course is presented to develop an understanding of health promotion, individualized aging, complexity of care, and vulnerabilities common to the older adult patient. Emphasis is placed on the role of the registered nurse, as a collaborative member of the healthcare team. The nursing process, evidence-based
practice, and Maslow’s Hierarchy are utilized as the conceptual bases for presentation of this material. Topics include theories and concepts of aging, communication, assessment and technical skills, illness and disease management, ethical competencies, and coordination of care as they apply to the older adult patient. Content in the course is presented in theory credit hours (2) and in lab/clinical credit hour (0.5). Clinical and simulated activities provide students with experience in patient care.

(2.5/30/0/0/0/0/0/0/0/22.5/0)

**ADNR-2112L**

**Care of The Older Adult Lab/Clinical**

*Prerequisite: Successful completion of the first two (2) semesters for the traditional AD-N program or admission into the Advanced Placement (AP) program*

*Co-requisites: ADNR-1160 and ADNR-1160L (if not completed before admission), ADNR-2112, ADNR-2122, ADNR-2122L, ADNR-2126, ADNR-2126L, ADNR-2141, and ADNR-2141L*

**ANDR-2122**

**Principles of Pharmacology II**

*Prerequisite: Successful completion of the first two (2) semesters of the traditional AD-N program or admission into the Advanced Placement (AP) program*

*Co-requisites: ADNR-1160 and ADNR-1160L (if not completed before admission), ADNR-2112, ADNR-2112L, ADNR-2122L, ADNR-2126, ADNR-2126L, ADNR-2141, and ADNR-2141L*

This theory/lab course examines the pharmacotherapeutics, pharmacokinetics, and pharmacodynamics of selected drug classifications and safe intravenous therapy. Drug classes and therapeutic products explored in this course include:

- antiseptic and disinfecting agents;
- vitamins, minerals, and nutritional supplements;
- enteral and parenteral nutrition;
- fluid and electrolytes;
- blood and blood products;
- coagulation modifiers;
- drugs affecting the endocrine system (pituitary and adrenal agents);
- selected cardiovascular drugs (positive inotropic, antianginal); and
- anti-infectives (antivirals, TB, anti-fungals, antimalarials, minoglycosides).

Selected prototype agents for each drug classification are examined including indications, mechanism of action, cautions, contraindications, adverse effects, routes of administration, and nursing implications including client/family teaching. Pharmacologic principles, standards and research evidence for intravenous therapy is also explored.

(2/22.5/15/0/0/0/0/0/0/0/0)

**ADNR-2122L**

**Principles of Pharmacology II Lab/Clinical**

*Prerequisite: Successful completion of the first two (2) semesters of the traditional AD-N program or admission into the Advanced Placement (AP) program*

*Co-requisites: ADNR-1160 and ADNR-1160L (if not completed before admission), ADNR-2112, ADNR-2112L, ADNR-2122, ADNR-2126, ADNR-2126L, ADNR-2141, and ADNR-2141L*

**ADNR-2124**

**Principles of Pharmacology III**

*Prerequisite: Successful completion of the first three (3) semesters of the traditional AD-N program or successful completion of the first semester of the Advanced Placement (AP) program*

*Co-requisites: ADNR-2112, ADNR-2112L, ADNR-2126, ADNR-2126L, ADNR-2141, and ADNR-2141L*

This theory course expands on the concepts of pharmacotherapeutics, pharmacokinetics, and pharmacodynamics explored in Pharmacology I and II. Drug classifications and prototypes examined in this course include those commonly used in patients with complex health problems. The drug classifications included are:

- cardiovascular agents (antidysrhythmics);
- immune and biologic modifiers;
- chemotherapeutic and anti-rheumatoid agents;
- selected antihypertensive agents (vasopressin, nitroprusside);
- blood forming agents;
- selected blood coagulation modifiers (e.g. thrombolytics); and
- osmotic diuretics.

(1/15/0/0/0/0/0/0/0/0/0)

**ADNR-2126**

**Psychiatric/Mental Health Nursing**

*Prerequisite: Successful completion of the first three (3) semesters of the traditional AD-N program or admission into the Advanced Placement (AP) program*

*Co-requisites: ADNR-1160 and ADNR-1160L (if not completed before admission), ADNR-2112, ADNR-
2112L, ADNR-2122, ADNR-2122L, ADNR-2126L, ADNR-2151, and ADNR-2151L

In this theory/lab/clinical course, the student is introduced to the concepts of psychiatric/mental health. The course emphasizes neurobiological theory, assessment, therapeutic communication, patient and family teaching, community resources, and pharmacology. The course includes concepts of care for the adolescent, adult, and older adult with psychiatric/mental health disorders. Continuing themes of growth and development across the life span, socio-cultural dimensions, patient advocacy, and ethical standards are also explored. Traditional psychotherapeutic and integrative health therapies are addressed. Clinical and simulated activities provide students with experience in patient care.

(3/37.5/0/0/0/0/0/0/0/0/22.5/0)  

ADNR-2126L
Psychiatric/Mental Health Nursing Lab/Clinical

Prerequisite: Successful completion of the first two (2) semesters of the traditional AD-N program or admission into the Advanced Placement (AP) program

Co-requisites: ADNR-1160 and ADNR-1160L (if not completed before admission), ADNR-2112, ADNR-2112L, ADNR-2122, ADNR-2122L, ADNR-2126, ADNR-2141, and ADNR-2141L

ADNR-2134
Maternal Child Nursing

Prerequisite: Successful completion of the first three (3) semesters of the traditional AD-N program or admission to the Advanced Placement (AP) program

Co-requisites: ADNR-2124, ADNR-2124L, ANDR-2134L, ADNR-2151, ADNR-2151L, ADNR-2175, and ADNR-2175L

This theory/lab/clinical course focuses on the childbearing and childrearing family. Utilizing the nursing process and evidence-based practice, the holistic needs of the childbearing and childrearing family are discussed. These concepts also will be used when planning care and patient teaching in the clinical area for these families. Theories of growth and development, cognitive development, and adaptation will be explored. Clinical and simulated activities provide students with experience in patient care.

(3.5/37.5/0/0/0/0/0/0/0/0/45/0)  

ADNR-2134L
Maternal Child Nursing Lab/Clinical

Prerequisite: Successful completion of the first three (3) semesters of the traditional AD-N program or successful completion of the first semester of the Advanced Placement (AP) program.

Co-requisites: ADNR-2124, ADNR-2124L, ADNR-2134, ADNR-2151, ADNR-2151L, ADNR-2175, and ADNR-2175L

ADNR-2141
Adult Health & Illness III

Prerequisite: Successful completion of the first two (2) semesters of the traditional AD-N program or admission into the Advanced Placement (AP) program

Co-requisites: ADNR-2112, ADNR-2112L, ADNR-2122, ADNR-2122L, ADNR-2126, ADNR-2126L, and ADNR-2141L

This four (4) credit hour theory/lab/clinical course is the third of four courses presented to develop an understanding of health promotion and illness in the adult client. Emphasis is placed on the role of the registered nurse as a member of an interdisciplinary healthcare team in providing client care. The nursing process, evidence-based practice, and Maslow’s Hierarchy are utilized as the conceptual bases for presentation of this material. Topics include an introduction to the immune, hematologic, and renal systems, as well as selected theories and concepts related to community-based nursing. Content in the course is presented in two (2) theory hours and two (2) lab/clinical hours. Clinical and simulated activities provide students with experience in client care.

(4/30/0/0/0/0/0/0/0/90/0)  

ADNR-2141L
Adult Health & Illness III Lab/Clinical

Prerequisite: Successful completion of the first two (2) semesters of the traditional AD-N program or admission into the Advanced Placement (AP) program

Co-requisites: ADNR-2112, ADNR-2112L, ADNR-2122, ADNR-2122L, ADNR-2126, ADNR-2126L, and ADNR-2141

ADNR-2151
Adult Health & Illness IV

Prerequisite: Successful completion of the first three (3) semesters of the traditional AD-N program or admission to the Advanced Placement (AP) program

Co-requisite: ADNR-2124, ADNR-2124L, ADNR-2134, ADNR-2134L, ADNR-2151L, ADNR-2175, and ADNR-2175L

This theory/lab/clinical course is the final of four courses presented to develop an understanding of health promotion and illness in the adult patient. Emphasis is placed on the role of the registered nurse as a
collaborative member of a healthcare team in the provision of patient care. The nursing process, evidence-based practice, and Maslow’s Hierarchy are utilized as the conceptual bases for presentation of this material. Topics include the examination of emergency care and disaster preparedness concepts as well as complex, multi-system, and high acuity health problems:

- cardiovascular (i.e. dysrhythmias, shock, acute coronary syndromes)
- respiratory (i.e. acute respiratory distress syndrome, respiratory failure)
- neurological (i.e. spinal cord injury, CVA, traumatic brain injury)
- endocrine (i.e. pituitary, adrenal, thyroid, and parathyroid)

Clinical and simulated activities provide students with experience in patient care.

(3.5/30/0/0/0/0/0/0/0/67.5/0)

**ADNR-2151L**

**Adult Health & Illness IV Lab/Clinical**

*Prerequisite: Successful completion of the first three (3) semesters of the traditional AD-N program or successful completion of the first semester of the Advanced Placement (AP) program*

*Co-requisite: ADNR-2124, ADNR-2134, ADNR-2134L, ADNR-2151, ADNR-2175, and ANDR-2175L*

**ADNR-2175**

**Transition to Nursing Practice**

*Prerequisite: Successful completion of the first three (3) semesters of the traditional AD-N program or successful completion of the first semester of the Advanced Placement (AP) program*

This theory and lab/clinical course focuses on advancing the student’s understanding of the roles and responsibilities of the registered nurse as a member of society, the nursing profession, and the interdisciplinary team in complex healthcare environments. The course emphasizes integration of leadership, communication, collaboration, management, and teaching/learning principles with knowledge from prior coursework to enrich clinical reasoning skills. Topics include historical perspectives; legal, ethical, and bioethical issues; quality management; nursing informatics; evidence-based practice; transition from novice to expert; continuing education and career development as applied in clinical practice and personal plans for development; and National Council Licensure Examination (NCLEX-RN) preparation.

(3.5/22.5/0/0/0/0/0/0/0/90/0)

**ADNR-2175L**

**Transition to Nursing Practice Lab/Clinical**

*Prerequisite: Successful completion of the first three (3) semesters of the traditional AND program or successful completion of the first semester of the Advanced Placement (AP) program.*

**Nursing (Practical)**

**LPNR-1110**

**Body Structure & Function**

*Prerequisite: ENGL-1010 or ACCUPLACER® (or other appropriate placement test)*

This course is designed to give the student a working knowledge of body structure and function from the cell (simple to complex) to all systems of the body.

(4/60/0/0/0/0/0/0/0/0/0)

**LPNR-1235**

**Practical Nursing (PN) Review for Readmission**

*Prerequisite: Letter of desire to reenter the Practical Nursing (PN) program must be sent to the Nursing Program Director by procedure deadline*

The student will be registered for the appropriate LPNR-1235 course when these criteria have been met.

**NOTES:**

- A student is only eligible to apply for readmission into the program for the academic year following withdrawal.
- A student can re-enter the program once.
- Completion of this course does not guarantee readmission into the program. There must be an opening in the current cohort for the student to be readmitted.
- Upon successful completion of the reentry course, the student must meet the physical, immunization, background check, CPR, liability insurance, and clinical orientation requirements of the program.
- This reentry course must be completed at least 2 (two) weeks prior to the beginning date of the PN course to be entered.

This pass/no pass course provides the student with an opportunity to demonstrate competence in application of nursing theory and skills attained in successfully completed practical nursing courses (LPNR prefix courses) prior to reentry into the PN program. Prior to demonstrating competence in skills, the students will review and update their knowledge of asepsis, sterile
technique, positioning, range of motion exercises, safety
measures, documentation, dosage calculation, medication
administration principles and techniques, practical
nursing intravenous therapy, data collection, the nursing
process, and nursing theoretical knowledge associated
with previously successfully completed PN courses. The
student will have access to videos and the nursing lab to
practice the skills individually to refresh their knowledge
prior to the class. Competence in application of nursing
theory and skills will be demonstrated through 100%
accuracy on math exam, Level I score or greater
proficiency on required ATI Content Mastery Exams,
clinical evaluation, clinical simulations, and
return demonstrations.
(0.5/0.22.5/0/0/0/0/0/0/0/0/0)

LPNR-1250
Concepts of Nursing

Prerequisite: Admission to the Practical Nursing program
Co-requisite: LPNR-1250L and NURS-1480

This theory/lab course is an introduction to nursing which
focuses on basic nursing concepts, utilization of the
nursing process, communication skills, legal and ethical
issues related to nursing practice, and inquiry-based
practice and skills necessary to provide patient-centered
care within the scope of the practical nurse. The nursing
process and theories of basic human needs are utilized in
organizing delivery of inquiry-based practice. Students
will practice basic nursing skills in a laboratory, and/or
simulated experiences. This is a seven (7) credit hour
course: three (3) credits for theory and four (4) credits for
laboratory experiences.
(7/45/120/0/0/0/0/0/0/0/0)

LPNR-1250L
Concepts of Nursing Lab

Prerequisite: Admission to the Practical Nursing program
or permission of the instructor
Co-requisite: LPNR-1250

LPNR-1270
Medical/Surgical Nursing I

Prerequisite: Admission to the Practical Nursing Program
and successful completion of LPNR-1250
Co-requisite: LPNR-1270C

In the medical/surgical nursing courses, a holistic
approach is utilized to present the adult patient’s health-
illness continuum through the life span. Topics covered in
Medical/Surgical Nursing I are health-illness issues related
to fluid and electrolytes; care of the surgical patient;
ocology; and endocrine, immune, renal, integumentary,
and gastrointestinal systems. Students are provided with
clinical experiences to enrich their learning and abilities
in the application of nursing interventions within the
scope of the practical nurse. This is a five and a half (5.5)
credit hour course: three (3) credits of theory and 2.5
credits for laboratory/clinical experiences.
(5.5/45/0/0/0/0/0/0/0/112.5/0)

LPNR-1270C
Medical/Surgical Nursing I: Clinical

Prerequisite: Admission to the Practical Nursing Program
Co-requisite: LPNR-1270

LPNR-2280
Medical/Surgical Nursing II

Prerequisite: Successful completion of the second
semester of the Practical Nursing program
Co-requisites: LPNR-2280C, LPNR-2720, and
NURS-1480

In the medical/surgical nursing courses, a holistic
approach is utilized to present the adult patient's health-
illness continuum through the life span. Topics covered in
Medical/Surgical Nursing II are health-illness issues
related to respiratory, hematology, cardiovascular,
musculoskeletal, neurological/sensory, behavioral health,
and integumentary part II. Students are provided with
clinical experiences to enrich their learning and abilities
in the application of nursing intentions within the scope of
the practical nurse. This is a five and a half hour (5.5)
credit hour course: three (3) credits for theory and two and
a half (2.5) credits for laboratory/clinical experiences.
(5.5/45/0/0/0/0/0/0/0/112.5/0)

LPNR-2280C
Medical/Surgical Nursing II Clinical

Prerequisite: Successful completion of the second
semester of the Practical Nursing program.
Co-requisite: LPNR-2280

LPNR-2290

Care of the Family

Prerequisite: Successful completion of the second
semester of the Practical Nursing program
Co-requisites: LPNR-2290C, LPNR-2720, and
NURS-1480

Fundamental concepts of the childbearing and
childrearing family are explored. Emphasis is placed on
basic human needs, growth and development,
communication, and appropriate caring behaviors in each
phase. Students will be given patient experience in
obstetrics and pediatrics in the acute care facility as
available and in the community to apply the concepts learned in theory with the scope of the practical nurse. This is a five and a half hour (5.5) credit hour course: three (3) credits for theory and two and a half (2.5) credits for laboratory/clinical experiences.

(5.5/4/0/0/0/0/0/0/0/0/112.5/0)

LPNR-2290C
Care of The Family Clinical
Prerequisite: Successful completion of the second semester of the Practical Nursing program
Co-requisite: LPNR-2290

LPNR-2720
Strategies for the LPN in Practice
Prerequisite: Successful completion of the second semester of the Practical Nursing program
Co-requisites: LPNR-2260, LPNR-2260L, LPNR-2630, and NURS-1480
This theory course is designed to assist the graduate practical nurse transitioning into the new role as an integral member of the health care team. Topics to be addressed include: licensure, workplace communication, current legal/ethical issues, management/leadership roles, health care environment, informatics in nursing, and a perspective on the profession of nursing.
(2/30/0/0/0/0/0/0/0/0/0)

LPNR-2725
Intravenous Therapy for the Licensed Practical Nurse
Prerequisite: Current State of Nebraska LPN license or a current license in a compact state under the Nurse Licensure Compact Act
This course is designed to prepare the licensed practical nurse with essential intravenous therapy knowledge to meet re-licensure requirements in the State of Nebraska.
(1/7.5/15/0/0/0/0/0/0/0/0)

Personal Development

PRDV-1010
Achieving College Success
This course is designed to help students create greater success in college and life. It will teach proven strategies for producing greater academic, professional, and personal success.
(3/4/5/0/0/0/0/0/0/0/0)

Philosophy

PHIL-1060
Introduction to Ethics & Current Issues in Philosophy
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a humanities or social science requirement for AA or AS degree
This course surveys a variety of current issues in relation to attempts made by philosophers to examine and resolve them. Specific issues covered vary by semester, but typically include topics such as the death penalty, abortion, euthanasia, artificial intelligence/computers, pornography and sexual morality, human cloning, racial and sexual discrimination, church/state balance, animal rights, drug policy, war, and torture.
(3/4/5/0/0/0/0/0/0/0/0)

PHIL-1010
Introduction to Philosophy
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a humanities requirement for AA or AS degree
Students will explore the components of philosophy through readings from the history of philosophy (ancient, modern, and contemporary) combined with the examination of topics such as metaphysics, logic, ethics, epistemology, aesthetics, philosophy of religion, freedom, and self-identity.
(3/4/5/0/0/0/0/0/0/0/0)

PHIL-1100
Critical Thinking in the Information Age
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER (or other appropriate placement test); PHIL-1010 or PHIL-1060 recommended but not required
Satisfies a humanities requirement for AA or AS degree
This course provides practice and deliberate attention towards developing strong critical thinking skills to navigate today’s complicated information landscape including websites/apps, advertising, and various types of media such as television, movies, music/radio/streaming, and news/information media.
(3/4/5/0/0/0/0/0/0/0/0)
PHIL-2250
Environmental Ethics
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test); PHIL-1010 or PHIL-1060 is recommended but not required
Satisfies a humanities requirement for AA or AS degree
This course examines ethical questions arising from the interaction of human beings with the environment, including questions such as: what is moral value and where does it come from? Do things in what is often called “nature,” such as individual organisms, species, or ecosystems, have moral value beyond their usefulness to human beings? Do humans have a moral obligation to preserve natural environments and protect biodiversity? How should we respond to global environmental challenges such as resource depletion, population growth and climate change?
(3/45/0/0/0/0/0/0)

PHIL-2610/RELS-2610
Comparative Religions
Cross-listed as PHIL-2610/RELS-2610 Comparative Religions/Introduction to Comparative Religion
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a humanities or social science requirement for AA or AS degree
This course offers a cross-cultural introduction to the world’s major religious/philosophical traditions or faith systems through a comparison of historical origins, rituals, beliefs, practices, worldviews, original religious texts, and other important sources. This course offers an interdisciplinary approach to the study of religion and various approaches to the study of religious systems.
(3/45/0/0/0/0/0/0)

Photography

PHOT-1900
Black/White Photography I
This course places emphasis on camera operation and black and white photography including all phases of darkroom operation. Accessories and their use are fully covered. Students learn camera use and practice theories with actual photo requirements assigned.
Students must have access to a camera to carry out assignments. A lab fee will be assessed for film, paper, chemicals. Additional hours may be necessary to complete assignments.
(3/45/0/0/0/0/0/0)

PHOT-1920
Black/White Photography II
Prerequisite: PHOT-1900
This course is a continuation of PHOT-1900 with additional instruction in camera operation and darkroom principles and techniques.
Students must have access to a camera to carry out assignments. A lab fee will be assessed for film, paper, and chemicals. Additional hours may be needed to complete assignments.
(3/45/0/0/0/0/0/0)

Physical Education

PHED-1024
Yoga-Flex (Flexibility Through Yoga)
Students participate in a course designed to introduce them to basic yoga techniques and postures that improve their flexibility, balance, and overall strength.
(1/0/0/30/0/0/0/0)

PHED-1026
Yoga/Pilates
This course is an introduction to the basic principles, terminology, and techniques of both yoga and Pilates. It is designed to introduce the student to basic postures and moves, progressing to more advanced forms of both.
(1/0/0/30/0/0/0/0)

PHED-1029
Dance Fitness
Students participate in an aerobic format designed for cardiovascular development, muscle toning and flexibility, coordination, and overall body conditioning. Students are taught easy to follow steps/movements to four basic Latin rhythms (merengue, salsa, cumbia, reggae ton) along with dance elements from hip hop/pot and Bollywood music to create a dynamic fitness program.
(1/0/0/30/0/0/0/0)

PHED-1035
Cardio Fitness
In this course, students participate in an anaerobic format designed for cardiovascular development, muscle toning and flexibility, coordination, and overall body conditioning. Students will be taught easy to follow steps
and movements along with a creative dynamic fitness program.
(1/0/0/0/30/0/0/0/0/0/0)

**PHED-1060**  
**Baseball: Men**  
This course is designed for student athletes. Fundamentals of hitting, throwing, and catching as well as the role of the defensive player are covered. Most of the class time is devoted to actual play of the game.
(.5/0/0/0/15/0/0/0/0/0)

**PHED-1080**  
**Soccer**  
This course is designed for student athletes. It covers attacking principles, defensive principles, organization of soccer, organization of practice, and skill work.
(.5/0/0/0/15/0/0/0/0/0)

**PHED-1085**  
**Basketball**  
This course is designed for student athletes. Fundamentals of communication, teamwork, passing, dribbling, and shooting, as well as the role of the defensive player are covered. Most of the class time is devoted to actual play of the game.
(.5/0/0/0/15/0/0/0/0/0)

**PHED-1200**  
**Psychology of Sports**  
This course provides an overview of the basic concepts and principles essential to understanding the psychological and behavioral aspects of sport and exercise. Emphasis is given to the conceptual frameworks and the applied aspects of sport performance enhancement and mental skills, exercise behavior and motivation, sociological factors, and health and well-being. Applications are made to future practitioners of coaching, teaching, sports medicine, counseling, sport management, and fitness instruction.
(3/45/0/0/0/0/0/0/0)

**PHED-1390**  
**Softball**  
This course is designed for student athletes. The rules and play of the game are stressed. Fundamentals of catching, batting, pitching, base running, and strategy are essential parts of this course. Offensive and defensive strategies are covered.
(.5/0/0/0/15/0/0/0/0/0)

**PHED-1490**  
**Volleyball**  
This course is for student athletes. The student works toward mastering the techniques involved in both playing and officiating. Skills such as the pass, set, and spike are stressed, along with offensive and defensive strategies.
(.5/0/0/0/15/0/0/0/0/0)

**PHED-1550**  
**Weight Training**  
This course is designed for student athletes and consists of instruction in weight lifting and body building programs. Proper fundamental skill techniques for the various types of exercises are taught and practiced.
(.5/0/0/0/15/0/0/0/0/0)

**PHED-1551**  
**Weight Training**  
This course consists of instruction in weight lifting programs. Proper fundamental skill techniques for various types of exercises are taught and practiced.
(1/0/0/0/30/0/0/0/0/0)

**PHED-1600**  
**Group Exercise**  
This course is designed to provide students with an overview of the educational concepts, performance techniques, program design, and leadership skills needed to teach individual and group-led exercise programs. The course provides an overview of essential safety and risk management procedures enabling the student to lead a safe and effective exercise program as well as practical application of various instructional formats.
(3/45/0/0/0/0/0/0/0)

**PHED-1700**  
**First Aid**  
This course will enable the student to recognize and avoid hazards within his/her environment; intelligently assist in case of accident or illness; and develop skills necessary for the immediate and temporary care of a victim. First Aid, CPR, and AED Certification will be offered.
(2/30/0/0/0/0/0/0/0/0)

**PHED-1710**  
**Introduction to Physical Education**  
This course is designed to discuss the nature and scope of physical education; the philosophy of physical education as a part of general education; the relationship of physical education to health, recreation, camping, and outdoor
education; changing concepts of physical education; leadership in physical education; and the profession of physical education.

PHED-1730
Introduction to Coaching
This course is designed for the prospective coach. It will encompass the development of a coaching philosophy, coaching character and ethics, and communication skills. Other topics may include motivating athletes, skill progression, conditioning, psychological and organizational aspects of the game, management of a team, relationships, and risk management.

PHED-1790
Personal Health
This course is a study of the factors involved in producing optimum healthful living, including the interrelationship between emotional and physical health. This does not count as a physical education activity class.

PHED-1800
Designing a Personalized Fitness Program
This course provides students the opportunity to develop strength, endurance, flexibility, coordination, and power by executing specific exercises and activities. The student will learn how to design an individualized exercise program to meet personal goals. This course will also address historical, social, cultural, economic, and other forces that influence, and are influenced by, physical activity.

PHED-2010
Prevention & Care of Athletic Injuries
This course is designed to familiarize the student with current standards of care for athletic related injuries. Recognition, evaluation, care, prevention, and physiology of injuries will be discussed.

Physical Sciences

PHYS-1070
Astronomy
Co-requisite: PHYS-1070L
This is a descriptive course on the origin and evolution of the universe, solar system, stars, galaxies, and beyond, including nighttime observations with telescopes.

PHYS-1070L
Astronomy Lab
Co-requisite: PHYS-1070

PHYS-1100
Physical Science
Co-requisite: PHYS-1100L
This is a survey course in the physical sciences with emphasis on scientific processes and problem solving. Areas of study will include selected topics in physics, chemistry, astronomy, geology, and meteorology. A scheduled laboratory will supplement classroom activities.

PHYS-1100L
Physical Science Lab
Co-requisite: PHYS-1100

PHYS-1200
Earth & Space Science
Co-requisite: PHYS-1200L
This course provides a survey of the four sub-disciplines of Earth science: astronomy, geology, meteorology, and oceanography. The processes and features related to the Earth’s surface, interior, atmosphere, oceans, and astronomical surroundings are actively investigated. Analyses of the interrelationships among the four sub-disciplines are included. The course will demonstrate how the laws of nature provide a logical explanation for the physical workings of Earth as well as the universe.
PHYS-1200L
Earth & Space Science Lab
Co-requisite: PHYS-1200L

PHYS-1225
Science of Sports
Co-requisite: PHYS-1225L
This course is intended for non-science majors interested in understanding how scientific principles relate to various sports activities and sports performance. The course will use sports as the delivery platform in introducing and discussing first-year physics concepts such as kinematics, Newton’s laws of motion, and conservation of momentum and energy. Focus will be on analyzing and understanding real-life sports examples using basic algebra, approximation, and qualitative arguments.
Note that this course will not satisfy physics requirements for science majors.
(4/45/30/0/0/0/0/0/0)

PHYS-1225L
Science of Sports Lab
Co-requisite: PHYS-1225

PHYS-1410
Elementary General Physics I with Algebra & Trigonometry
Prerequisite: MATH-1210
Co-requisites: PHYS-1410L and PHYS-1410R
This course offers a detailed algebra and trigonometry study of one- and two-dimensional motion. Topics will include kinematics, Newton’s Laws, energy, momentum, and rotational motion. Additional topics from the areas of oscillations and waves, fluids, and thermal physics may also be covered.
(5/45/30/0/0/0/0/0/15/0)

PHYS-1410L
Elementary General Physics I with Algebra & Trigonometry Lab
Co-requisites: PHYS-1410 and PHYS-1410R

PHYS-1410R
Elementary General Physics I with Algebra & Trigonometry Recitation
Co-requisites: PHYS-1410 and PHYS-1410L

PHYS-1420
Elementary General Physics II with Algebra & Trigonometry
Prerequisite: PHYS-1410
Co-requisites: PHYS-1420L and PHYS-1420R
This course offers a detailed algebra and trigonometry continuation of PHYS-1410. Topics will include electricity, magnetism, and optics. Additional topics from the areas of thermal physics, waves, and modern physics may also be covered.
(5/45/30/0/0/0/0/0/15/0)

PHYS-1420L
Elementary General Physics II with Algebra & Trigonometry Lab
Co-requisites: PHYS-1420 and PHYS-1420R

PHYS-1420R
Elementary General Physics II with Algebra & Trigonometry Recitation
Co-requisites: PHYS-1420R and PHYS-1420L

PHYS-2110
General Physics I with Calculus
Prerequisite: MATH-1600
Co-requisites: PHYS-2110L and PHYS-2110R
This course offers a detailed calculus-based study of one- and two-dimensional motion. Topics will include kinematics, Newton’s Laws, energy, momentum, and rotational motion. Additional topics from the areas of oscillations and waves, fluids, and heat may also be covered.
(5/45/30/0/0/0/0/0/15/0)

PHYS-2110L
General Physics I with Calculus Lab
Co-requisites: PHYS-2110 and PHYS-2110R

PHYS-2110R
General Physics I with Calculus Recitation
Co-requisites: PHYS-2110 and PHYS-2110L

PHYS-2120
General Physics II with Calculus
Prerequisite: PHYS-2110
Co-requisites: PHYS-2120L and PHYS-2120R
This course offers a detailed calculus-based continuation of PHYS-2110. Topics covered will include electricity,
magnetism, and optics. Additional topics from the areas of waves and modern physics may also be covered.

(5/45/30/0/0/0/0/0/15/0)

PHYS-2120L
General Physics II with Calculus Lab
Co-requisites: PHYS-2120 and PHYS-2120R

PHYS-2120R
General Physics II with Calculus Recitation
Co-requisites: PHYS-2120 and PHYS-2120L

Political Science

POL-1000
American Government
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a social science requirement for AA or AS degree
This course offers a study of the functioning of the American political system through the analysis and application of its underlying theories.
(3/45/0/0/0/0/0/0/0/0/0)

POL-1600
International Relations
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a social science requirement for AA or AS degree
This course surveys the actors, institutions, processes, and theories of international relations including a study of contemporary global issues.
(3/45/0/0/0/0/0/0/0/0/0)

Powerline Construction & Maintenance Technology

UTIL-1015
Staking/Mapping I
Prerequisite: Successful completion of MJTP Book 1
This course provides an introduction to mapping. Students are introduced to blueprints, architectural drawings, the use of “Plan and Profile” and ratios of vertical to horizontal scales.
(1/7.5/0/22.5/0/0/0/0/0/0/0)

UTIL-1025
Rigging I
Prerequisite: Successful completion of MJTP Book 1
This course instructs students in the use of rope for rigging. It covers the construction of and advantages and disadvantages of the different types of rope. Students learn how to make an eye splice using double braid rope.
(1/7.5/0/22.5/0/0/0/0/0/0/0)

UTIL-1030
Power Use I
Prerequisite: Successful completion of MJTP Book 1
This course introduces the student to the battery as a power source and explains its use as a standard for voltage calibration. The different parts of the battery and its construction are covered. Also covered are the consumer’s service ratings listed in different diagrams and the meanings of these ratings.
(1/7.5/0/22.5/0/0/0/0/0/0/0)

UTIL-1040
Street Lighting I
Prerequisite: Successful completion of MJTP Book 1
This course introduces students to the various types of street lights and how they are classified. It covers the methods and procedures used related to the mechanics of the installation of street lights.
(1/7.5/0/22.5/0/0/0/0/0/0/0)

UTIL-1100
Introduction to Powerline Basics and Safety
This course serves as an introduction to the program and electrical system. A schematic of a typical electric systems generation and distribution flows serves as a basis for a systematic analysis of the generating station to the distribution transformers. Includes an introduction to poles and towers, grounds and grounding and basic tree trimming. Students will complete a CPR course as part of this course.
(3.5/33.75/0/56.25/0/0/0/0/0/0/0)

UTIL-1150
Safety
Prerequisite: Successful completion of MJTP Book 1
This course covers specific injuries and how to deal with these injuries. Respiratory emergencies and instances of shock are also covered in this class. Some OSHA standards are reviewed.
(1/15/0/0/0/0/0/0/0/0/0)
UTIL-1200
Basic Climbing
This course covers proper and safe climbing techniques. Students learn about the different types and uses of personal protective equipment. The different types and care and uses of ropes as well as knots and splicing are included in this class.
(2.5/7.5/0/0/0/0/0/0/0/0/0)

UTIL-1415
Overhead Line Construction I
Prerequisite: Successful completion of MJTP Book 1
This course introduces students to single-phase overhead primary construction and Rural Utilities Services (RUS) Standards. Topics covered include joining, stringing, and sagging of line conductors. Basic construction principles and safety awareness are emphasized.
(3/15/0/0/0/0/0/0/0/0/0)

UTIL-1425
Electrical Equipment Structure & Design I
Prerequisite: Successful completion of MJTP Book 1
This class introduces the structure and design of both overhead and underground electrical equipment. Topics covered include transformers, over voltage/over current protective devices, live line maintenance, and voltage regulation.
(3/45/0/0/0/0/0/0/0/0/0)

UTIL-1435
Electrical Equipment Structure & Design Lab
Prerequisite: Successful completion of MJTP Book 1
This class allows students hands-on practice related to the structure and design of both overhead and underground electrical equipment. Students conduct top of pole rescues and utilize materials and equipment necessary for overhead and underground line construction.
(3/0/1/35/0/0/0/0/0/0/0)

UTIL-1500
Applied Electrical Science for Powerline I
Prerequisite: Successful completion of MJTP Book 2
This course introduces the student to some specific hazards that the linemen can encounter in the field. Included are hazards related to poisonous plants, insects, and snakes.
(2/22.5/0/22.5/0/0/0/0/0/0/0)

UTIL-1550
Applied Electrical Science for Powerline II
Prerequisite: Successful completion of MJTP Book 1
This course covers the basics of power, its transmission and distribution. Series, parallel, and combination circuits are covered in this class. The properties of magnetism and fundamentals of AC currents are also covered.
(3/15/0/0/0/0/0/0/0/0/0)

UTIL-1600
Applied Mathematics for Powerline I
This course is very specific to the powerline industry. It covers the math that is used every day in the industry. Mathematical functions using fractions, decimals, exponents, and prefixes are introduced and explored. Students are exposed to some basic algebra using percentages and vectors.
(1/15/0/0/0/0/0/0/0/0/0)

UTIL-1650
Applied Mathematics for Powerline II
Prerequisite: Successful completion of MJTP Book 1
This course is specific to the powerline industry. It covers the math that is used every day in the industry. Mathematical functions using ratios, proportions, power and square root and right triangles are included.
(1/15/0/0/0/0/0/0/0/0/0)

UTIL-2010
Staking/Mapping II
Prerequisite: Successful completion of MJTP Book 2
This course introduces the student to the different tools used in the staking and mapping process. Included are the drawings and specifications as well as staking sheets.
(1/7.5/0/22.5/0/0/0/0/0/0/0)

UTIL-2020
Safety II
Prerequisite: Successful completion of MJTP Book 2
This course introduces the student to some specific hazards that the linemen can encounter in the field. Included are hazards related to poisonous plants, insects, and snakes.
(1/7.5/0/22.5/0/0/0/0/0/0/0)
UTIL-2030
Power Use II
Prerequisite: Successful completion of MJTP Book 2
This course covers the use of the single phase motor. This includes a brief history of motors and how electromagnetic induction applies to the relationship of current flow through conductors and magnetic fields.
(1/7.5/0/22.5/0/0/0/0/0/0/0)

UTIL-2040
Street Lighting II
Prerequisite: Successful completion of MJTP Book 2
This course covers the different types of lamps used for street lighting. Included are light waves, the effect the eye sees from different wavelengths, and the four sources of electric light.
(1/7.5/0/22.5/0/0/0/0/0/0/0)

UTIL-2350
Transformer Connections
Prerequisite: Successful completion of MJTP Book 2
This course covers eight different types of transformer connections. Students will learn how to draw different vector diagrams, identify the phases on the diagrams, and give the system voltages.
(4/3/0/9/0/0/0/0/0/0/0)

UTIL-2415
Overhead Line Construction II
Prerequisite: Successful completion of MJTP Book 2
This course introduces students to circuit reclosers, sectionalizers, and fault currents. Additionally, topics covered include substations and the concrete fundamentals related to these. Basic construction principles and safety awareness are emphasized.
(3/22.5/0/67.5/0/0/0/0/0/0/0)

UTIL-2425
Electrical Equipment Structure & Design II
Prerequisite: Successful completion of MJTP Book 2
This course introduces the various types of meters used to measure quantities of electricity. This course covers maintenance of these meters as well. Also covered are the different types of hydraulic systems.
(4/30/0/9/0/0/0/0/0/0/0)

UTIL-2500
Powerline Internship
Prerequisites:
- 30 credits in program of study
- 2.5 GPA in UTIL courses
Work experience is an important part of any educational program. This internship is intended to give students extended experience in solving real world problems while working under the supervision of an employer and instructor. Students may be compensated for the hours worked.
(3/0/0/0/0/0/0/0/0/180)

UTIL-2550
Applied Electrical Science for Powerline III
Prerequisite: Successful completion of MJTP Book 2
This course covers inductance, inductive reactance, capacitance and capacitive reactance. Students will use formulas to solve total inductance in parallel and series circuits. Includes the use of formulas to calculate total capacitance when two or more capacitors are included in a given circuit.
(3/15/0/9/0/0/0/0/0/0/0)

Psychology

PSYC-1810
Introduction to Psychology
Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)
Satisfies a social science requirement for AA or AS degree
This course is an introduction to the science of behavior and mental processes including the application of critical thinking to the study of learning theory, memory, personality, growth and development, biological and neurological aspects, abnormal behavior, therapies, intelligence, motivation, emotion, sensation, perception, and theoretical perspectives.
(3/45/0/0/0/0/0/0/0/0)

PSYC-2020
Drugs & Behavior
Prerequisite: PSYC-1810
This course surveys drugs that affect behavior, emphasizing drugs with abuse potential. It includes an introduction to the chemistry of the brain and how drugs influence brain chemistry and function. The behavioral,
social, historical, and medical aspects of each major class of psychoactive drug will be examined.

(3/4/0/0/0/0/0/0/0)

**PSYC-2090**
Abnormal Psychology

*Prerequisite: PSYC-1810*

This course provides a survey of the major behavior pathologies with emphasis on their etiology and treatment. An attempt is made to understand these abnormalities in terms of genetic, neurological, behavioral, cognitive, emotional, social, and interpersonal influences and to compare these pathologies to the problems of normal human development.

(3/4/0/0/0/0/0/0/0)

**PSYC-2100**
Child & Adolescent Development

*Prerequisite: PSYC-1810*

This course is a survey of behavioral and experiential development from conception to adolescence with special attention given to the roles played by maturation, learning, motivation, emotions, and personal and social adjustment. Development is presented both as a body of knowledge and as a process of growth and change.

(3/4/0/0/0/0/0/0/0)

**PSYC-2140**
Social Psychology

*Prerequisite: PSYC-1810*

This course presents the scientific study of social influence on human thought and behavior. Topics include the effects of attributions and attitudes on cognitive processes and behavior; the psychological effects of culture and gender; and the nature of prejudice, aggression, interpersonal attraction, and altruism.

(3/4/0/0/0/0/0/0/0)

**PSYC-2150**
Life Span: Human Growth & Development

*Prerequisite: PSYC-1810*

This course is an introduction to the basic concepts and issues of biological and psychological growth and development from conception through old age. Emphasis is placed on biophysical, cognitive, and psychosocial development throughout the lifetime. Applied aspects of developmental psychology are emphasized in the course.

(3/4/0/0/0/0/0/0/0)

**PSYC-2650**
Research Methods in Psychology

*Prerequisite: PSYC-1810*

This is an introductory course in research methods and design. It includes an overview of the scientific method, ethical issues in research, methods of data collection, research design, data analysis and interpretation, and presentation of results. Students will create, perform, and present an individual research project.

(3/4/0/0/0/0/0/0/0)

**Real Estate**

**REES-1600**
Real Estate Principles

This course is designed to introduce students to the field of professional real estate. It fulfills part of the requirements of Nebraska real estate law for a salesman’s license and part of the credits for preparation to take the broker’s examination. The course includes study of the following real estate topics: character of land, real estate markets, ownership, interest, legal instruments, contracts, closings and transfers, financing, appraising, brokerage, management, development and investments, and Nebraska real estate law.

(3/4/0/0/0/0/0/0/0)

**REES-2800**
Real Estate Law

This course is intended for students of both the professional and nonprofessional group who desire instruction in the principles of real estate law governing estates in land, acquisition of title, mortgages, easements, liens, leasing, owner’s liability, wills and administration of estates.

(3/4/0/0/0/0/0/0/0)

**Sociology**

**SOCI-1010**
Introduction to Sociology

*Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)*

Satisfies a social science requirement for AA or AS degree

This course is an introduction to the basic principles of sociology, including the study of sociological research, theoretical perspectives, culture, socialization, social
structure, social institutions, deviance, social inequalities, stratification, demography, and population.

(3/45/0/0/0/0/0/0/0/0/0)

**SOCI-2050**

**Special Topics in Sociology**

*Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)*

This course provides instruction in special content areas outside of the courses being offered by the Division of Social Science and Human Performance.

(3/45/0/0/0/0/0/0/0/0/0)

**SOCI-2150**

**Issues of Unity & Diversity**

*Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)*

Satisfies a social science requirement for AA or AS degree

This course is designed to increase students’ awareness of and sensitivity to the commonalities and differences among people and acquire knowledge of minority group issues and challenges. The course will prepare students to more critically, actively, and effectively participate in an increasingly diverse and global society.

(3/45/0/0/0/0/0/0/0/0/0)

**SOCI-2250**

**Marriage & Family**

*Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)*

Satisfies a social science requirement for AA or AS degree

This course develops an understanding of the social role of marriage and family living. Topics covered include courtship and preparation for marriage, conflict situations and adjustments between spouses, parent-child relationships, the family in the community, and the disintegration of the family unit.

(3/45/0/0/0/0/0/0/0/0/0)

**Spanish**

**SPAN-1000**

**Conversational Spanish**

*This course does not fulfill a humanities requirement for AA or AS degree*

This introductory, one-semester course offers the student both a basic understanding of Spanish grammar and sentence structure and an introduction to speaking the language in multiple contexts, from talking with friends to getting around town. The course, which is intended for the individual without any previous experience with the Spanish language, is designed to enable the student to acquire sufficient vocabulary and knowledge of grammar to begin to express himself/herself verbally. While the course provides an appreciation of basic Spanish grammar and sentence structure through various written exercises, the emphasis is on conversation.

(3/45/0/0/0/0/0/0/0/0/0)

**SPAN-1010**

**Elementary Spanish I**

*Satisfies a humanities requirement for AA or AS degree*

This is the first introductory course where students begin to learn the fundamentals of Spanish. It stresses comprehension, pronunciation, speaking, listening, reading, writing, and vocabulary. The course includes nouns, adjectives, and present tense as well as a study of Spanish-speaking cultures. This course also allows language learners to experience the cultural diversity of Spanish-speaking countries. Technology is incorporated in this class to enhance language skills. The class emphasizes an interactive, proficiency-oriented approach to learning language and culture.

(5/75/0/0/0/0/0/0/0/0/0)

**SPAN-1020**

**Elementary Spanish II**

*Prerequisite: SPAN-1010*

*Satisfies a humanities requirement for AA or AS degree*

In this course, students continue to focus on the skills begun in SPAN-1010. The course covers past tenses and double object pronouns among other grammatical structures. The course allows 21st century language learners to further develop proficiency in Spanish while expanding community connections in and out of the classroom through local and global Spanish-speaking communities. Technology is incorporated to enhance language skills. The class emphasizes an interactive, proficiency-oriented approach to learning language and culture.

(5/75/0/0/0/0/0/0/0/0/0)

**SPAN-2010**

**Intermediate Spanish I**

*Prerequisite: SPAN-1020 or by placement exam*

*Satisfies a humanities requirement for AA or AS degree*

This course is the third level in the language sequence that builds students’ language proficiency by refining receptive and productive skills while encouraging students to compare, contrast, and develop an appreciation of the
cultural diversity of Spanish speaking communities. This
course builds on previously attained grammar and stresses
vocabulary building. It presents the perfect, subjunctive,
future, and conditional tenses as well as commands. It is
taught primarily in Spanish. Technology is incorporated in
this class to enhance language skills.
(3/45/0/0/0/0/0/0/0)

**SPAN-2020**

Intermediate Spanish II

*Prerequisite: SPAN-2010 or by placement exam*

Satisfies a humanities requirement for AA or AS degree

This is the last course of the four level language sequence.
Ample opportunities are provided to develop vocabulary,
strengthen the four linguistic skills, and increase
awareness and appreciation of contemporary Spanish-
speaking local and global communities. Technology is
incorporated in this class to enhance language skills. This
course continues the grammar review of SPAN-2010 and
introduces literary readings. Classes are conducted in
Spanish.
(3/45/0/0/0/0/0/0/0)

**Speech**

**SPCH-1110**

Public Speaking

*Prerequisite: ENGL-0050, ENGL-0065, ENGL-1000, or
ACCUPLACER® (or other appropriate placement test)*

This course will assist the student in mastering the skills
required of speaking in today’s workplace. This course
will focus on the organization, preparation, research, and
evidence needed for a presentation tailored to fit the
audience. This course will enhance the student’s listening
skills, which will assist them in everyday situations.
(3/45/0/0/0/0/0/0/0)

**SPCH-1200**

Human Communications

*Prerequisite: ENGL-0050, ENGL-0065, or
ACCUPLACER® (or other appropriate placement test)*

This course is basic to a study of speech communication.
The fundamentals of communication theory are applied to
intrapersonal communication, interpersonal
communication, small groups, and public speaking. The
student gains practical experience in public speaking.
(3/45/0/0/0/0/0/0/0)

**SPCH-1210**

Speech and Debate

Students participate in intercollegiate speech and debate.
(1/15/0/0/0/0/0/0/0)

**Surgical Technology**

**SURT-1005**

Principles & Practices of Central Processing

This course provides classroom and lab instruction in
basic principles, practices, and operations of a central
processing department in a healthcare facility. Students
will learn about the role of the central service technician
and the central processing/service department in
healthcare. Topics covered will include: basic
microbiology, all-hazards safety, infection control
practices, current regulations and standards, identification
of surgical instrumentation, care of surgical
instrumentation/equipment/flexible endoscopes in all
phases of the sterile processing cycle, best practices,
techniques, technologies, quality assurance and control
monitoring, and inventory control processes utilized in the
central processing department. Individuals who can
demonstrate equitable on-the-job training or experiences
in healthcare may be eligible for non-traditional or
experiential learning credit.
(3/30/45/0/0/0/0/0/0)

**SURF-1030**

Surgical Procedures I

*Prerequisite: Acceptance into the Surgical Technology program*

*Co-requisites: SURT-1100 and SURT-1100L*

This course encompasses instruction in specific surgical
specialties including minimally invasive, robotic, general,
gynecologic and obstetric, genitourinary, and
otolaryngology/surgery. Students gain knowledge
relative to anatomy, physiology, pathophysiology,
microbiology, diagnostic tests, equipment, instruments,
supplies, surgical procedures and interventions, and
patient care concepts in the pre-, intra-, and postoperative
phases of care relative to the practice of surgical
technology and in accordance with the Core Curriculum
for Surgical Technology 6th edition per requirements for
programmatic accreditation.
(4/60/0/0/0/0/0/0/0/0)
SURT-1070
Clinical Practice I

Prerequisites: Acceptance into the Surgical Technology program, SURT-1030, SURT-1100, and SURT-1100L
Co-requisites: SURT-1125, SURT-2050, and SURT-2050L

This course provides an introduction to all facets of the perioperative environment, and the role of the surgical technologist within the clinical setting relative to the practice of surgical technology and in accordance with the Core Curriculum for Surgical Technology 6th edition as required for programmatic accreditation. The student will apply knowledge, skills, and abilities learned in all previous surgical technology core and general prerequisite coursework and will participate in supervised clinical rotations, with a focus on applying the fundamental concepts and principles utilized in the first and second scrub and assistant circulator roles. Students will also participate in sterile processing practices, including the decontamination, inspection/assembly, and sterilization of instrumentation and equipment utilized in the healthcare setting.

(3/0/0/0/0/0/0/0/0/225/0)

SURT-1100
Introduction to Surgical Technology

Prerequisite: Acceptance into the Surgical Technology program
Co-requisites: SURT-1030 and SURT-1100L

This course provides an introduction to the profession of surgical technology and its global role in healthcare. Focus is placed upon a wide range of profession-related subject matter and encompasses principles of asepsis and surgical conscience; patient population considerations; medical-legal, ethical, and professional issues; risk management; biomedical sciences; infection control and disease prevention; physical environment and safety; healthcare organization; surgical case management; and decontamination, disinfection, and sterilization.

(4/60/0/0/0/0/0/0/0/0/0)

SURT-1100L
Principles & Practices of Surgical Technology I

Prerequisite: Acceptance into the Surgical Technology program
Co-requisites: SURT-1030 and SURT-1100

This course is an application of the introductory principles and practices of surgical technology learned in SURT-1100 within a simulated setting. Students will develop and employ the principles of aseptic technique, surgical conscience, teamwork and communication, care of the perioperative patient, the role of the scrub and circulator, and principles of personal and patient safety as they apply to the perioperative environment. Students will gain an understanding of the application of biomedical devices, surgical instrumentation, equipment, supplies, wound closure and management devices, basic principles of patient transport, positioning, and surgical preparation. Surgical specialties include diagnostic procedures and minimally invasive, general, gynecologic and obstetric, genitourinary, and otolaryngologic surgeries. In addition, students will learn about the role of the central processing department in healthcare, including infection control practices and instrument processing. Emphasis is placed on the principles of aseptic technique and the application of safe patient care practices.

(3/0/90/0/0/0/0/0/0/0/0)

SURT-1125
Pharmacology for the Surgical Technologist

Prerequisites: Acceptance into the Surgical Technology program, SURT-1030, SURT-1100, and SURT-1100L
Co-requisites: SURT-1070, SURT-2050, and SURT-2050L

This course introduces the surgical technology students to the concepts and practices of their role in handling medications and solutions in the surgical setting. Topics covered include medication safety, the nature of drugs, administration routes, drug actions, side effects, and concepts of anesthesia care. Students will also review potential medication and anesthesia complications and emergent situations relative to the practice of surgical technology and in accordance with the Core Curriculum for Surgical Technology 6th ed. as required for programmatic accreditation.

(2/30/0/0/0/0/0/0/0/0/0)

SURT-2050
Surgical Procedures II

Prerequisites: Acceptance into the Surgical Technology program, SURT-1030, SURT-1100, and SURT-1100L
Co-requisites: SURT-1070, SURT-1125, and SURT-2050L

This course is an orientation to environmental hazards, disaster preparedness, and surgical specialties including surgery of the neck, eyes, and oral maxillofacial regions; plastic surgery; reconstructive surgery; orthopedics; and neurosurgery. Students gain knowledge relative to anatomy, physiology, pathophysiology, diagnostic tests, equipment, instruments, supplies, surgical procedures, and interventions. Topics also include surgical patient care concepts in the pre-, intra-, and postoperative phases of care.

(4/60/0/0/0/0/0/0/0/0/0)
SURT-2050L
Principles & Practices of Surgical Technology II

Prerequisites: Acceptance into the Surgical Technology Program, SURT-1030, SURT-1100, and SURT-1100L
Co-requisites: SURT-1070, SURT-1125, and SURT-2050

This course allows the student to apply the knowledge learned in SURT-2035 in a lab setting. Students have the opportunity to practice and demonstrate cognitive, psychomotor, and affective competencies relevant to the role of the surgical technologist in both the scrub and circulator roles in accordance with the Core Curriculum for Surgical Technology 6th edition as required for programmatic accreditation. Emphasis is placed on the principles of aseptic technique and the application of safe patient care practices. Surgical specialties include, neck procedures, oral/maxillofacial, plastic and reconstructive, ophthalmic, orthopedic, and neurosurgeries.
(3/0/0/0/0/0/0/0/0/0)

SURT-2080
Clinical Practice II

Prerequisites: Acceptance into the Surgical Technology program, SURT-1030, SURT-1070, SURT-1100, SURT-1100L, SURT-1125, SURT-2050, and SURT-2050L
Co-requisites: SURT-2090, SURT-2210, and SURT-2225

Clinical Practice II is a continuation of Clinical Practice I and a culmination of all previous surgical technology course work. Students will continue to build upon the knowledge, skills, competencies, and clinical confidence gained in previous semesters in accordance with the Core Curriculum for Surgical Technology 6th Edition, as required for programmatic accreditation. Students continue supervised clinical rotations, focusing on continued application of fundamental concepts and principles necessary to the surgical technologist and working independently under the supervision of a clinical preceptor. As per the Core Curriculum for Surgical Technology 6th edition, students will continue to collect specific surgical specialty first scrub experiences to complete all first scrub role surgical rotation requirements, develop entry-level skillsets, and prepare for entry into the workforce.
(6/0/0/0/0/0/0/0/270/0)

SURT-2210
Professional Development for the Surgical Technologist

Prerequisite: Acceptance into the Surgical Technology program, SURT-1030, SURT-1070, SURT-1100, SURT-1100L, SURT-1125, SURT-2050, and SURT-2050L
Co-requisite: SURT-2080, SURT-2090, and SURT-2225

This course prepares students to sit for the national certifying exam for surgical technology. Requirements for successful completion and graduation from the surgical technology program at WNCC are the student’s participation in the NBSTSA Comprehensive (Secure) CST practice exam and participation in the National Certification Exam (CST Examination). Students will review all pertinent subject matter from preceding course work as it relates to the content of the certifying exam. Students will also hone exam preparation and test-taking strategies and learn about the development of the exam, its format, and its importance relative to credentialing and professional development.
Students will also learn effective employment/employability skills related to social media management, job search, job application, resume development, interview skills, and long term professional development strategies relative to surgical technology.
(2/30/0/0/0/0/0/0/0/0)
SURT-2250
Surgical Procedures III
Prerequisites: Acceptance into the Surgical Technology Program, SURT-1030, SURT-1070, SURT-1100, SURT-1100L, SURT-2050, SURT-2050L, and SURT-1125
Co-requisites: SURT-2080, SURT-2090, and SURT-2210
This course is an orientation to specific surgical specialties including pulmonary, thoracic, vascular, cardiac, pediatric, and trauma surgeries. The course will also include all-hazards preparation as it relates to competencies specific to healthcare and public infrastructure and the role of the surgical technologist in the event of a disaster. Students gain knowledge relative to anatomy, physiology, pathophysiology, diagnostic tests, equipment, instruments, supplies, surgical procedures and interventions, and surgical patient care concepts in the pre-, intra-, and postoperative phases of care relative to the practice of surgical technology and in accordance with the Core Curriculum for Surgical Technology 6th edition per requirements for programmatic accreditation.
(2/30/0/0/0/0/0/0/0)

Theatre Arts

THEA-1010
Introduction to Theatre
Satisfies a humanities requirement for AA or AS degree
This course is an introduction to the forms and functions of dramatic arts within a historical perspective. Includes an introduction to basic theatre skills as well as an introduction to a range of dramatic literature.
(3/45/0/0/0/0/0/0/0)

THEA-1200
Movement
An investigation into Devised Theatre as intended in the pedagogies of Jacques Lecoq and the International School of Mime and Theatre. This class will make explorations into stage violence.
(3/45/0/0/0/0/0/0/0)

THEA-1300
Voice and Articulation
This is a laboratory course designed to develop physical and vocal awareness of skills needed for stage performance. The course will focus on vocal production, articulation, projection, and expressiveness with the aim of developing a standard stage speech. Class sessions will include exercises in relaxation, breath control, articulation, and vocal/physical projection.
(3/45/0/0/0/0/0/0/0)

THEA-1400
Ballet I
Introduction to basic principles, terminology, and techniques of classical ballet, and developing an understanding of classical ballet terminology.
(1/0/0/0/0/0/0/0/30/0)

THEA-1410
Jazz I
Introduction to basic principles, terminology, and techniques of jazz dance.
(1/0/0/0/0/0/0/0/30/0)

THEA-1420
Tap Dance I
Introduction to basic principles, terminology, and techniques of tap dance.
(1/0/0/0/0/0/0/0/30/0)

THEA-1430
Tap Dance II
Prerequisite: THEA-1420
A continuation of THEA-1420, this course provides intermediate instruction of principles, terminology, and techniques of tap dance.
(1/0/0/0/0/0/0/0/30/0)

THEA-1500
History of Film
Satisfies a humanities requirement for AA or AS degree
Technological and aesthetic evolution of film art is reviewed from its origins to the present. International and American film theories and their cultural and artistic implications are surveyed during the screening sessions, followed by in-class analysis.
(3/45/0/0/0/0/0/0/0)

THEA-1760
All College Play
This is a participation course in play production. The course includes acting, stage construction, lighting, costuming, makeup, and theatre management. The course is open to all students at WNCC as well as residents of the Panhandle area. This course may be repeated for a total of four semesters for credit.
(1/0/30/0/0/0/0/0/0)
THEA-1830  
Stage Makeup  
This course will present theory and application of two- and three-dimensional makeup for stage. The course is structured as lecture/demonstration and lab employing the principles of stage makeup, the variety of materials available, and the application of these materials. The course is designed to help the student (both actor and makeup artist) build a working knowledge of broad-based application procedures, materials, and techniques, and the principles of characterization allowing for the development, planning, and execution of character makeup designs.  
(3/45/0/0/0/0/0/0/0/0/0/0)

THEA-1860  
Technical Production I  
This course places primary emphasis on a practical application of the techniques used in scenery construction. Students will be required to work on one all-College play during the semester of their enrollment.  
(3/45/0/0/0/0/0/0/0/0/0/0)

THEA-2010  
Survey to Theatrical Design  
This is an introductory course in theatrical design. Students are introduced to fundamental principles and applications for designing scenery, lighting, and costumes for the theatre. Topics include the theoretical and artistic aims of the design process, style, organization, structure, and unity. Students will also gain experience in drawing, drafting, rendering, and model building. During the semester, students will undertake design assignments for critique by classmates and the instructor.  
(3/45/0/0/0/0/0/0/0/0/0/0)

THEA-2200  
Script in Production  
This course is an introduction to the practice of reading and understanding plays for production. Focus will be on the script as a blueprint for directors, designers, actors and other collaborators. This class is designed to equip students with the textual expertise and the vocabulary needed for artistic collaboration as well as academic conversation.  
(3/45/0/0/0/0/0/0/0/0/0/0)

THEA-2500  
Theatre Arts Internship  
Prerequisite: Permission of instructor  
Work experience is an important part of any educational program. This internship is intended to give students extended experience in solving real world problems while working under the supervision of an employer and instructor in Theatre Arts. Students may be compensated for the hours worked and will receive one (1) credit for each 60 hours worked up to three (3) credits.  
(1-3/0/0/0/0/0/0/0/60-180)

THEA-2600  
Technical Production II  
This course is a continuation of THEA-1860.  
(3/45/0/0/0/0/0/0/0/0/0/0)

THEA-2660  
Acting I  
This course is an introduction to the essentials of the actor’s craft: stage movement, concentration, relaxation, sensory awareness, voice, improvisation, basic script analysis, and rehearsal technique. Participation in one all-College play is encouraged.  
(3/45/0/0/0/0/0/0/0/0/0/0)

THEA-2750  
Acting II  
Prerequisite: THEA-2660  
This course is designed to continue and expand on techniques developed in THEA-2660. Students will develop physically, vocally, emotionally, and experientially to be able to effectively handle heightened language, text, and ideas. Work will focus on concentration, relaxation, sensory awareness, script analysis, movement, and improvisation. Work on character analysis will be done through in-class scenes. Participation in one all-College play is encouraged.  
(3/45/0/0/0/0/0/0/0/0/0/0)

Transportation

TRAN-1100  
Commercial Driver's License (CDL) – Class B  
The Commercial Driver's License (CDL) – Class B is required for anyone driving a vehicle that weighs more than 26,000 pounds Gross Vehicle Weight Rating
(GVWR), carries 16 or more passengers, or transports placarded amounts of hazardous materials.

(2/20/06/0/0/0/0/0/0/0/0)

Welding Technology

WELD-1015
Introduction to Welding
This is an introductory course that explores common welding processes and theory. Metal identification and fundamental metallurgy will be discussed. Emphasis is on safety, equipment setup, process basics, and hands-on skill application. Process coverage includes; oxyacetylene welding - cutting and brazing, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding and plasma cutting. The student will develop the skills necessary to produce good quality cuts and welds on light-gauge mild steel joints using a variety of methods and techniques.

(3/30/06/0/0/0/0/0/0/0)

WELD-1050
Basic Gas Tungsten Arc Welding
This course provides the student with a thorough understanding of the gas tungsten arc welding process and welding safety. Diligent practice of safety and welding skills enables the student to produce quality fillet and groove welds in all positions on carbon steel sheet and tubing using small diameter tungsten alloy electrodes.

(3/30/06/0/0/0/0/0/0/0)

WELD-1070
Basic Welding – Auto Body
This class is a basic welding course in oxy-acetylene cutting, welding, and brazing, as well as GMAW, GTAW, and plasma cutting. Welding, cutting, and brazing are done in all positions. Light gauge sheet metal is used. Lab work simulates welding and cutting practices used in the auto body trade. Basic safety and theory are also covered.

(3/30/06/0/0/0/0/0/0/0)

WELD-1090
Oxy-Acetylene Welding
This course provides an understanding of oxy-acetylene welding and cutting, as well as safety practices. It provides training to develop the manual skill necessary to produce quality 11-gauge fillet welds and open root 3/16-inch V-bevel welds in all positions. Skill is developed in the areas of flame cutting mild steel plate.

(3/30/06/0/0/0/0/0/0/0)

WELD-1110
Advanced Arc Welding
Prerequisite: WELD-1100
This course provides training in the development of skills necessary to produce quality multi-pass groove welds with backing on 1-inch plate in the horizontal, vertical, and overhead positions, and to produce quality open root single V-groove welds on 3/8-inch mild steel plate in horizontal, vertical, and overhead positions. Welding related information is also provided on hard surfacing and repair of cast iron and metal identification. In addition, welding related information is included about procedure and welder qualification on destructive and nondestructive testing methods.

(6/02/06/0/0/0/0/0/0/0)

WELD-1120
Gas Metal Arc Welding
This course provides the student with a thorough technical understanding of welding safety, gas metal arc welding (GMAW), equipment adjustments, metal transfer, and shielding gases. It also provides training to develop the skill necessary to make quality gas metal arc welds in all positions on mild steel from 3/16-inch sheet to 3/8-inch plate, single and multiple pass, using short circuit transfer. This course also illustrates problems associated with welding situations and provides corrective information.

(3/30/06/0/0/0/0/0/0/0)

WELD-1125
Flux Cored Arc Welding
This course provides a thorough technical understanding of welding safety, flux cored arc welding (FCAW), equipment adjustments, metal transfer, and shielding gases. It also provides training to develop the skill necessary to make quality flux cored welds in all positions on mild steel from 1/4-inch sheet to 3/8-inch plate, single and multiple pass, using short circuit transfer. This course also illustrates problems associated with welding situations and provides corrective information.

(3/30/06/0/0/0/0/0/0/0)

WELD-1170
Arc Welding & Shop Fabrication
Prerequisite: WELD-1015 or Instructor Consent
This course is designed to provide training in building a small/medium-sized metal fabrication project. Any project is subject to prior instructor approval. Blueprint reading skills and welding skills are developed in the course of the
class. This course will illustrate problems associated with welding situations and provide corrective information.

WELD-1200
Basic Shielded Metal Arc Welding
This course provides a thorough technical understanding of arc welding, welding safety, arc welding power sources, and electrode classifications and selection. It also provides training to develop the skills necessary to make quality shielded metal arc welds in all positions on mild steel from 3/16 inch to 1/2 inch plate, single and multiple pass, using mild steel, low hydrogen, and iron powder electrodes, with DC welding current. Welder qualification testing is on V-Groove, limited thickness with backing, in all positions.

WELD-1250
Shielded Metal Arc Welding
This course provides the student with a thorough technical understanding of arc welding, welding safety, arc welding power sources, electrode classifications and selection. It also provides training to develop the skills necessary to make quality shielded metal arc welds in all positions on mild steel from 3/16 inch to 1/2 inch plate, single and multiple pass, using mild steel, low hydrogen, and iron powder electrodes, with DC welding current. Welder qualification testing is on V-groove, limited thickness without backing, in all positions utilizing E6010 and E7018 electrodes.

WELD-1300
Blueprint Reading for Welders & Fitters
A general course in blueprint reading, welding symbols, and their application. This course covers the visualization of object shapes, reading the blueprint for finding size and location dimensions, symbols, mathematics notes, and related welding and assembly information shown on the print. This course further develops the student’s understanding of how to read welding blueprints and the range of thinking required to assemble simple components and complex assemblies from welding prints.

WELD-2025
Structural Welding
Prerequisite: WELD-1125 and WELD-1200 or instructor approval
This course provides training to develop the welding skills necessary to produce high quality groove welds with backing on 1-inch thick mild steel plates in all positions using the shielded metal arc welding and flux cored arc welding processes. Instruction and weld testing will be based on the American Welding Society Structural Welding Code D1.1

WELD-2110
Downhill Pipe Welding – SMAW
Prerequisite: WELD-1100
This course provides students with a thorough understanding of shielded metal arc welding (SMAW) fundamentals and preparation for welding carbon steel pipe with an emphasis on downhill travel utilizing E6010, E7010, and E8010 electrodes. Training and practice are utilized to develop the manual dexterity skills necessary to produce quality groove welds on carbon steel pipe in the 2G, 5G, and 6G positions according to code standards.

WELD-2115
Uphill Pipe Welding – SMAW
Prerequisite: WELD-1100
This course provides the student with a thorough understanding of shielded metal arc welding (SMAW) fundamentals and preparation for welding carbon steel pipe with emphasis on uphill travel utilizing E6010 and E7018 electrodes. Training and practice is utilized to develop the manual dexterity skills necessary to produce quality groove welds on carbon steel pipe in the 2G, 5G, and 6G positions according to code standards.

WELD-2150
Advanced Gas Tungsten Arc Welding
Prerequisite: WELD-1100
This course provides the student with a thorough understanding of the gas tungsten arc welding process and welding safety. Diligent practice of safety and welding skills enables the student to produce quality fillet and groove welds in all positions on stainless steel & aluminum sheet and tubing using small diameter tungsten alloy electrodes.
WELD-2500

Weld Internship

Work experience is an important part of any educational program. This internship is intended to give students extended experience in solving real world problems while working under the supervision of an employer and instructor. All work is to be performed in accordance with industry standards and guidelines. Students may be compensated for the hours worked and will receive one (1) credit for each 60 hours worked up to three (3) credits.

(1-3/0/0/0/0/0/0/0/0/60-180)
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