Western Nebraska
Community College

2022-2023

COLLEGE CATALOG

Western Nebraska Community College

VOLUME 71 *July 2022*

Alliance Campus
1750 Sweetwater Avenue
Alliance, NE 69301
p 308.763.2000
p 888.559.9622
f 308.763.2012

Scottsbluff Campus (main)
1601 27th Street
Scottsbluff, NE 69361
p 308.635.3606
p 800.348.4435
f 308.635.6100

Sidney Campus
371 College Drive
Sidney, NE 69162
p 308.254.5450
p 800.222.9682
f 308.254.7444

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.

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/identity, 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, 69363-1815, 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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2022-23 Academic Calendar

Fall Semester 2022

August 2022

19 F ..... Last Day for New Students to Register for Fall 2022 Full-Term (16-Week) & 1st 8-Week Classes

21 Su ..... Last Day for Returning Students to Register Online for Fall 2022 Full-Term & 1st 8-Week Classes

22 M ..... Fall 2022 Full-Term & 1st 8-Week Classes Begin

22-24 M-W ..... No Penalty Drop/Add Period for 1st 8-Week Classes

22-26 M-F ..... No Penalty Drop/Add Period for Full-Term Classes

September 2022

5 M ..... **COLLEGE CLOSED**
Labor Day

21 W ..... Last Day to Withdraw from 1st 8-Week Classes

October 2022

10 & 11 M & T ..... **NO CLASSES**
Fall Break

13 Th ..... 1st 8-Week Classes End

14 F ..... **FINALS for 1st 8-WEEK CLASSES**

14 F ..... Midterm for Fall 2022 (Classes Meet)

14 F ..... Last Day to Register for 2nd 8-Week Classes

17 M ..... 2nd 8-Week Classes Begin

17-19 M-W ..... No Penalty Drop/Add Period for 2nd 8-Week Classes

18 T ..... Grades Due @ midnight for 1st 8-Week Classes

24 M ..... Spring 2022 Class Schedule Released

28 F ..... Last Day to Withdraw from Fall 2022 Full-Term Classes

31 M ..... Advising Week

31 M ..... First Day to Register for Spring 2022

November 2022

1-4 T-F ..... Advising Week

16 W ..... Last Day to Withdraw from 2nd 8-Week Classes

23 W ..... **NO CLASSES**
COLLEGE CLOSES @ NOON
Thanksgiving Holiday

24 & 25 Th & F ..... **COLLEGE CLOSED**
Thanksgiving Holiday

December 2022

9 F ..... Classes End for Fall 2022 (Full-Term and 2nd 8-Week)

12-16 M-F ..... **FINALS**

20 T ..... Grades Due @ midnight for Full-Term and 2nd 8-Week Classes

26-30 M-F ..... **COLLEGE CLOSED**
Winter Break

Spring Semester 2023

January 2023

2 M ..... **COLLEGE CLOSED**
Winter Break

13 F ..... Last Day for New Students to Register for Spring 2023 Full-Term (16-Week) & 1st 8-Week Classes

15 Su ..... Last Day for Returning Students to Register Online for Spring 2023 Full-Term & 1st 8-Week Classes

16 M ..... Spring 2023 Full-Term & 1st 8-Week Classes Begin

16-18 M-W ..... No Penalty Drop/Add Period for 1st 8-Week Classes

16-20 M-F ..... No Penalty Drop/Add Period for Full-Term Classes

February 2023

13 M ..... Last Day to Withdraw from 1st 8-Week Classes

March 2023

3 F ..... Midterm for Spring 2023 (Classes Meet)

7 T ..... 1st 8-Week Classes End

8 W ..... **FINALS for 1st 8-WEEK CLASSES**

10 F ..... Grades Due @ Midnight for 1st 8-Week Classes

13-17 M-F ..... **NO CLASSES**
Spring Break

17 F ..... Last Day to Register for 2nd 8-Week Classes

20 M ..... 2nd 8-Week Classes Begin

20-22 M-W ..... No Penalty Drop/Add Period for 2nd 8-Week Classes

27 M ..... Summer and Fall 2023 Class Schedules Released

31 F ..... Last Day to Withdraw from Spring 2023 Full-Term Classes

April 2023

3-6 M-Th ..... Advising Week

3 M ..... First Day to Register for Summer and Fall 2023 Classes

7 F ..... **COLLEGE CLOSED Spring Holiday**

20 Th ..... **NO CLASSES (Scottsbluff only) District Music Contest**

21 F ..... Last Day to Withdraw from 2nd 8-Week Classes

May 2023

5 F ..... Classes End for Spring 2023 (Full-Term and 2nd 8-Week)

8-12 M-F ..... **FINALS**

13 Sa ..... **2023 GRADUATION**

16 T ..... Grades Due @ Midnight for Full-Term and 2nd 8-Week Classes

Summer Semester 2023

May 2023

26 F ..... Last Day for New Students to Register for Summer 2023 Classes

29 M ..... Last Day for Returning Students to Register Online for Summer 2023 Classes

29 M ..... **COLLEGE CLOSED Memorial Day**

30 T ..... Summer 2023 10-, 8- and 1st 5-Week Classes Begin

30-31 T-W ..... No Penalty Drop/Add Period for 10-, 8-, and 1st 5-Week Classes

June 2023

1 Th ..... No Penalty Drop/Add Period for 10-, 8- and 1st 5-Week Classes

16 F ..... Last Day to Withdraw from 1st 5-Week Classes

29 Th ..... Last Day to Withdraw from 8-Week Classes

30 F ..... 1st 5-Week Classes End

July 2023

3 & 4 M & T ..... **COLLEGE CLOSED Independence Day Holiday**

5 W ..... 2nd 5-Week Classes Begin

6 Th ..... Grades Due at Midnight for 1st 5-Week Classes

5-7 W-F ..... No Penalty Drop/Add Period for 2nd 5-Week Summer Classes

11 T ..... Last Day to Withdraw from 10-Week Classes

21 F ..... 8-Week Classes End

24 M ..... Last Day to Withdraw from 2nd 5-Week Classes

25 T ..... Grades Due at midnight for 8-Week Classes

August 2023

4 F ..... 10- and 2nd 5-Week Classes End

8 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

College Information

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 adjust 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 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 always 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 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 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

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. Please see **wncc.edu/about-wncc/accreditation** for more information.

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, the Colorado Rocky Mountains, or the Black Hills of South Dakota. Summer activities can also be found in these areas as well as in Nebraska's Chadron State Park, Lake Minatare, Lake McConaughy, or historic Fort Robinson. Hunting and fishing abound all year-round.

College Organization

WNCC is organized into four major areas: Administrative Services, Educational Services, Human Resources, and Student Services. 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 students' college experience. While sometimes viewed as behind-the-scenes operations, Administrative Services ensures the smooth daily operation of WNCC's buildings, grounds, and business functions.

The Business Office (accounts payable, accounts receivable, purchasing, and cashier), food services (Bishop

Dining Hall and catering), the Cougar Bookstore, facilities and grounds maintenance, safety and security, parking, facilities and fleet reservations, and the information center comprise the functions supported by Administrative Services.

Educational Services

Educational Services strives to create an effective student learning environment at WNCC, assisting students in mastering the core knowledge and skills necessary for continued learning, entering the workforce, or personal growth.

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*

Curriculum development and evaluation, academic personnel, course offerings, online and distance education, and teaching and learning support are all areas of focus for Educational Services. Dual credit programs, non-credit educational opportunities, workforce development, and community educational programming are also the responsibility of Educational Services.

In addition, Educational Services provides support services to assist students in their academic journey: academic advising, career planning, library services, and testing.

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.

Student Services

Student Services offers a broad array of services and programs designed to enhance the student experience from admission to graduation.

Athletics

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.

Enrollment Services

Enrollment Services is comprised of the offices of Admissions, Financial Aid, and the Registrar. These offices help guide students through the admissions process, secure financial support for educational purposes, and provide and maintain the accuracy, integrity, and confidentiality of academic records.

Student Life

Student Services offers a variety of co-curricular activities, events, programs, and services designed to support student learning and cultivate opportunities for personal and social development. These include adult education/GED, childcare assistance (on-campus facility only), the Cougar Cupboard (food pantry), counseling, disability support, diversity/equity/inclusion programming, international student support, intramurals, military and veterans' affairs, residence life, service learning, student engagement, TRIO programs (Student Support Services and Veterans Upward Bound), and tutoring. Student conduct issues are addressed through the Dean of Students' Office. These services are the core to a thriving campus life student experience.

Institutional Support Services

In addition, Student Services oversees two major areas impacting all members of the College community.

Information Technology provides technology services and support to enable WNCC in achieving its educational mission and strategic goals. The unit supports administrative software applications (Colleague and MyWNCC) and network and telecommunication services.

Institutional Research is responsible for the collection and review of institutional data to support enrollment and college-wide planning

Additional Departments

Additional areas contribute to the multidimensional environment at Western Nebraska Community College.

- Community Partnerships manages the College's locations in Alliance and Sidney and works to establish connections in the communities across the 12 and a half counties served by WNCC.
- The WNCC Foundation benefits, supports, and enhances the mission of the College and provides a connection for its alumni.
- Public Relations & Marketing promotes the College's programs, services, and events to the public.

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* (Dan Joppa)
- *Automotive Technology* (Aaron Gayman)
- *Aviation* (Michael Mitchell)
- *Business & Info Technology* (Scott Winters)
- *Collision Repair & Refinish Technology* (Corey Batt)
- *Criminal Justice* (Tiffany Wasserburger)
- *Diesel, Truck, & Heavy Equipment Technology* (Wayne Lund)
- *Early Childhood Education* (Pasty Yager)
- *Emergency Medical Services* (Ken Boston)
- *Health Information Technology* (Nicole Danielzuk)
- *Human Services* (Carrie Howton)
- *Medical Laboratory Technician* (Jennifer Kellogg)
- *Nursing* (Rebecca Kautz)
- *Perkins Advisory Committee* (Charlie Gregory)
- *Powerline Construction & Maintenance Technology* (Shane Homan)
- *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 Member

District Four

Karen S. Anderson
Board Vice Chairperson

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 (2)

Student Representative

Administrative Leadership

John Marrin ..... Interim President

Grant Wilson..... Vice President Educational Services (CAO)

Lynne Koski..... Vice President Administrative Services (CFO)

Bill Knapper ..... Vice President Student Services (CSSO)

President's Office

Paula Abbott..... Community Coordinator / Alliance & Sidney Centers Executive Director

Kathy Ault ..... Human Resources Executive Director

Allison Judy..... Public Relations & Marketing Director

Kim Reichert.....Accreditation & Special Projects Director

Jennifer Reisig.....WNCC Foundation Executive Director

Administrative Services

Cathy Bornschlegl .....Food Service Director

Nancy Hall.....Administrative Management Director

Dave Koehler ..... Accounting Services Director

Pauline Newman..... Accounting Services Asst Director

Rich Riddick..... Bookstore Operations Director

Josh Vesper.....Facilities Operations Asst Director

Vacant.....Facilities Operations Director

Educational Services

Janna Oakes .....Dean of Instruction

Charlie Gregory .....Dean of Instruction and Workforce Development
Tammie Kleich ....Academic Teaching & Tutoring Director
Doug Mader .....Workforce Development Director
Mai Lee Olsen .....CollegeNOW! Director
Luke Stobel.....Student Success Director
Lori Stromberg.....Lifelong Learning Director

Student Services & IT

Norman Coley Jr.....Student Services Executive Dean
Ryan Burgner..... Athletic Director
Tonya DeWitt..... TRIO Director
Dustin Eicke ..... Institutional Research Director
Brian Elkins.....Registrar
Brynn Elliott..... Assistant Dean of Students
Maricia Guzman.....Multicultural/International Student Services Director
Sheila Johns .....Financial Aid Director
Jolene Martin .....Admissions Asst Director
Loren Moench ..... Information Technology Director
Rosa Rosario.....Financial Aid Asst Director
Bambi Sell ..... GED & Adult Basic Education Director
Norm Stephenson .....Counseling Director/ Disability Services Officer
Susan Stephenson .....Admissions Director
Vacant .....Residence Life Director
Vacant .....Student Engagement Director

Academic Division Chairs

Jacklyn Cawiezel .. Social Sciences & Human Performance
Jordan Colwell..... Health Sciences
Hallie Feil.....Academic Enrichment, Language, & Fine Arts
Dan Joppa .....Applied Technology
Amy Winters.....Mathematics & Science
Scott Winters (Interim) ..... Business & IT

Faculty (by division)

Academic Enrichment, Language, and Fine Arts

Brian Croft ..... English
Susan Dickinson..... Foundations, ESL, & English
Robin Hayhurst..... Foundations & Professional Education
Nat Johnson..... Music (Instrumental Music Director)
Yelena Khanevskaya.....Art
Violette Kjeldgaard .....Theatre
Patrick Newell..... Music (Vocal Music Director)
Jennifer Pedersen.....English
William Sheffield..... Speech & Forensics
Robynn Whittier.....English
Stacy Wilson .....Foreign Languages
Vacant.....English

Business & Applied Technology

Applied Technology

Corey Batt ..... Collision Repair & Refinish Technology
Aaron Gayman..... Automotive Technology
Shane Homan .....Powerline Technology
Dan Joppa ..... Technical Studies
Joseph Julius..... Aviation Technology
Wayne Lund.....Diesel, Truck, & Heavy Equipment Tech
Michael Mitchell ..... Aviation Technology
Russell Pontarolo.....Welding Technology
Frank Riley ..... Automotive Technology

Business

Jacilyn Jacobsen ..... Information Technology
Jane Kelley .....Accounting
William Loring ..... Information Technology
Aletia Norwood.....Accounting & Business
Scott Winters..... Business

Health Sciences

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

Math and Science

Carl Baird .....Anatomy & Physiology
Erandi Gunapala..... Mathematics
William Hanson ..... Biology
Lorin King.....Sciences
Andrew Lenzen ..... Mathematics
Dave Nelson.....Chemistry
Nancy Resseguie ..... Mathematics
Tom Robinson ..... Mathematics
Scott Schaub..... Mathematics & Engineering
Katherine Schneider..... Biology
Andrew Shiers ..... Mathematics
Amy Winters..... Mathematics

Social Science and Human Performance

Royce Ammon..... Social Sciences
Jacklyn Cawiezel .....Psychology
Colin Croft.....Social Sciences & Humanities
Hallie Feil..... Social Sciences
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, such as art supplies, school supplies, novelties, greeting cards, and College apparel, is also sold in the bookstore and online.

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 in the administrative area; in Sidney, the resources are 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 assist 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 at **www.wncc.edu/student-life/student-services/disability-services**.

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 Centers for Disease Control (**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 their 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.

Library staff 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 to support 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 DVDs 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 **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, they may be in jeopardy of being withdrawn from current classes and a hold will be placed on their 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 their WNCC email if any actions are taken regarding registration. A student must confirm the status of their 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 their 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 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 specific 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

The Academic Testing & Tutoring Center, located in the D-Pod in the Main Campus Building on the Scottsbluff Campus, provides a wide-range of placement testing – including ACCUPLACER, CLEP, and ATI and HESI-LPN to AD-N exams for entrance into the WNCC nursing programs – and certification testing – including the CST for surgical technology – as well as serving as a testing site for the national ACT and SAT tests, Test of Adult Basic Education (TABE), and WorkKeys. Staff of the center also proctor exams for other institutions, including Chadron State College and UNL, as needed.

In addition, the Professional Testing Center, located in the John N. Harms Center, administers a variety of professional certification exams for community members looking to further their careers or maintain their current certifications. Some of the options at the Professional Testing Center include Prometric testing for auto mechanics, Nebraska insurance, education, and healthcare; PearsonVUE testing for paramedics, EMTs, other healthcare workers, as well as GED testing; and PSI exams for real estate, water treatment, and pesticide application professionals. Various exams are also offered through Kryterion.

For questions about placement, certification, or professional testing, please contact the Testing & Tutoring Services Director at **308.635.6072**.

IT Certifications

Information technology students are prepared 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. Among the exams offered are CompTIA A+, Network+, Security+, and others from CompTIA and Microsoft. For any WNCC employee, student, or alumni, Microsoft Office Specialist exams are offered for free in the information technology classroom on the WNCC main campus.

For questions about IT certifications, please contact **308.635.6163**.

Transcript Requests

Students can 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/office-of-the-registrar** 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**.

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**.

Tutoring

Free tutoring services are available to all WNCC students. Professional and student tutors assist students one-on-one or in 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.**

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/.**

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/.**

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. A student's success in a course is measured by the acquisition and mastery of information that can only be obtained through classroom lectures, labs, discussions, and other activities. Students who are repeatedly tardy or absent from class will be missing vital components necessary for their success.

When an absence is inevitable, it is the expectation of the College that the student will communicate directly with their instructor(s) and work with them to make up the absence, if possible. Each class offered at WNCC has an established expectation of attendance that is found is the course syllabus each semester.

A more complete description of the college's absence policy can be found under "Attendance" in the "**Academic Policies**" section 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), or
- 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 student 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-owned or operated 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 and are available upon request:

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 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 Registrar's Office or through the main office in Alliance or Sidney to make this authorization.

Questions related to FERPA may contact the Office of the Registrar at **308.635.6012**.

Equal Access Policy

WNCC 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 at **wncc.edu/student-life/student-services/disability-services**.

Discrimination, Harassment, and Retaliation Policy

WNCC is committed to providing a college environment free from discrimination on the basis of sex and provides resources and services to assist students, faculty, and staff in addressing issues involving sex discrimination. The College strictly prohibits any form of sexual harassment, which include sexual harassment, sexual assault, dating violence, domestic violence, stalking, and retaliation (also referred to collectively as prohibited conduct). 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." Consistent with state and federal laws, this policy prohibits retaliation against a person for reporting discrimination and sexual harassment; or participating in the investigation or adjudication of such a complaint.

If a student feels that they are the victim of discrimination, harassment, or retaliation, it is important to remember that

there are supportive staff at the College 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 to obtain support, 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

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.

Retaliation

WNCC and any member of the College community are prohibited from taking materially adverse action by intimidating, threatening, coercing, harassing, or discriminating against any individual for the purpose of interfering with any right or privilege secured by law or policy, or because the individual has made a report or complaint, testified, assisted, or participated or refused to participate in any manner in an investigation, proceeding, or hearing under this policy and procedure. Acts of alleged retaliation should be reported immediately to the Title IX Coordinator and will be promptly investigated.

The College will take all appropriate and available steps to protect individuals who fear that they may be subjected to retaliation. Charging an individual with a code of conduct violation for making a materially false statement in bad faith during a grievance proceeding does not constitute retaliation, provided that a determination regarding responsibility, alone, is not sufficient to conclude that any party has made a materially false statement in bad faith.

The exercise of rights protected under the First Amendment does not constitute retaliation. A good faith pursuit by either party of civil, criminal, or other legal action, internal or external to the College, does not constitute retaliation.

Student Complaint Process

WNCC strives 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, they should contact the Office of the Dean of Students:

Phone: **308.635.6050**

Web: **wncc.edu/about-wncc/consumer-information/subpages-nonav-consumer-info/student-complaint-process**

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, they are encouraged to contact the Nebraska Coordinating Commission for Postsecondary Education:

Phone: **402.471.2847**

Web: **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, they are encouraged to contact the office:

Phone: **1.800.621.7440**

Web: **hlcommission.org/Student-Resources/complaints.html**

Smoking Policy

It is the primary goal of WNCC to promote a safe and healthy environment for students, faculty, staff, and visitors on property owned and operated by the College. The intent of the smoking 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 WNCC, 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-owned or operated 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**.

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 at **wncc.edu/about-wncc/consumer-information** or through the Office of Postsecondary Education at **ope.ed.gov/campussafety**.

The graduation completion rate report is also available at **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, they 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.nebraska.gov/elections/voter-forms** 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.

Students meeting admission requirements are admitted regardless of race, color, religion, national origin, age, sex or gender, disability, marital status, military service status, sexual orientation, gender expression/identity, or political affiliation.

Residency

WNCC will determine the initial classification of resident or nonresident status for tuition purposes. Residency requirements are established in Nebraska Revised Statutes 85-502 and 85-502-01 (veteran, spouse or dependent of veteran, eligible for educational assistance while on active duty or entitled to rehabilitation under federal law).

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).

In addition to meeting any of the above requirements, documentation of three of the following six items must be supplied:

1. Employment in Nebraska,
2. Payment of State of Nebraska income taxes,
3. Voter registration,
4. Nebraska driver's license,
5. Registration of vehicle as a resident of Nebraska, or
6. A checking or savings account with a Nebraska financial institution.

All residency applications must be filed with the Registrar's Office (**registrar@wncc.edu**) before the second week of the semester in which the student wishes to claim residency. Further information is available from the Registrar's Office.

Requirements for Admission

Application

A student seeking a degree (certificate, diploma, or degree) must first apply for admission. The application can be completed online at **wncc.edu/admissions-aid/index.**

Transcripts

It is highly recommended that a first-time WNCC student request an official transcript be sent to the College from an approved or accredited high school or home school program, the Nebraska Department of Education reflecting passing scores on the General Education Development test (GED), or other equivalency test (e.g., HISET).

Should a concern arise regarding the validity of a high school student's completion, the Admissions Director or Registrar will confirm with the high school the student's completion status on the validating student document.

Students transferring to WNCC or who have obtained a prior degree must provide copies of transcripts from all other colleges or universities attended.

Placement Testing

WNCC strives to assist students in the successful pursuit of educational and career goals. To best serve the needs of students and contribute to their success, it is necessary that WNCC know the academic preparedness of its students.

Students must submit official scores from ACT, SAT, or Next Generation ACCUPLACER® tests completed within the past three years to the Admissions Office. The scores determine placement in English and mathematics courses or introductory courses with a reading or writing prerequisite, so must be submitted prior to scheduling an appointment with an academic advisor. Questions about specific score requirements can be directed to the Student Success Center at **308.635.6000** or **advising@wncc.edu**.

WNCC makes Next Generation ACCUPLACER® easily available for students who do not have recent placement scores. Students can arrange to take the Next Generation ACCUPLACER® at any of WNCC's three locations:

- Scottsbluff by contacting **308.635.6070**
- Alliance by contacting **308.763.2000**
- Sidney by contacting **308.254.5450**

The test may also be taken remotely for a fee. A student may retake Next Generation ACCUPLACER® once in a 30-day period. WNCC encourages students to take at least one week to study before attempting to retest. Please contact the Testing Center at **308.635.6070** for more information.

Notes:

- Students who can document with an official transcript that they have received an Associate of Arts, Associate of Science, Associate of Fine Arts, or bachelor's degree from an accredited college or university are exempt from 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.
- 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 placement requirement.

There may be additional requirements beyond those stated above for students to be eligible for certain financial aid benefits. Please see the financial aid section for federal aid eligibility requirements.

Admission Procedures

Degree-Seeking Students (Certificate, Diploma, and AA, AS, AAS, AFA Degrees)

1. Complete an application for admission online at **wncc.edu/admissions-aid/how-to-apply/index.**
2. Request current transcripts be sent to the Admissions Office in Scottsbluff from high school or home school program or that an authorized transcript reflecting passing scores on the General Education Development (GED) test or another equivalency test (e.g., HISET) be sent to the Admissions Office. Final, official high school or home school transcripts should be sent to the Admissions Office after graduation.
3. Request official transcripts from all colleges previously attended be sent to the Registrar's Office in Scottsbluff.
4. Request transcripts of placement reports from ACT, SAT, or Next Generation ACCUPLACER® as applicable be sent to the Admission Office in Scottsbluff.
5. If necessary, complete the Next Generation ACCUPLACER® basic skills assessment unless exempt. Students can arrange to take the Next Generation ACCUPLACER® at WNCC by contacting **308.635.6070**.
6. Some programs have special admission requirements. See the program of interest in the catalog for further information.
7. No fee is required for application or admission. A letter of acceptance is sent from the Admissions Office after application is processed.
8. Nebraska residency attained as necessary (see above).

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 WNCC, international students must complete all general admissions requirements and all special admission requirements listed below.

A Certificate of Eligibility, Form I-20, is issued 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 complete the electronic application at **wncc-uga-edu.815r.net/application/login/**

In addition to completing the online International Admissions Application, students must upload the following documents with the application:

- Copies of high school or secondary school transcripts, diplomas, 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 (at least $16,186 USD).
- 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. All translations must be completed by a certified translation company.

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 full-time student each term.

Non-Degree-Seeking Students

Students are considered non-degree seeking if they are:

- Taking credit-bearing courses for personal enrichment,
- Taking CollegeNOW! or courses to earn college credit while enrolled in high school,
- Taking 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.

Students must complete the Non-Degree Seeking/Allied Health or CollegeNOW! registration form, which can be found at **wncc.edu/admissions-aid/how-to-apply/index#nondegreeseeking**. No fee is required for completing the Non-Degree Seeking/Allied Health or CollegeNOW! registration form. Prerequisite basic skills assessment scores must be met prior to course entry.

It is highly recommended that the student provides 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 or other equivalency test (e.g., HISET, TASC). Should a concern arise regarding the validity of a high school student's completion, the Admissions Director or Registrar will confirm with the high school the student's completion status on the validating student document. In the absence of a high school transcript, a student may submit Next Generation ACCUPLACER®, ACT, SAT, or currently accepted placement scores completed within the past three years. Please see the section on "Placement" above in the Requirements for Admission.

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 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 high school counselor/principal. Registrations are not entered until these signatures are obtained. Required Next Generation ACCUPLACER®, ACT, SAT, or currently accepted placement 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

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 CollegeNOW! registration form, which can be found at **wncc.edu/admissions-aid/how-to-apply/index#nondegreeseeking.**

Registration forms needs the signatures of a parent/guardian and the CollegeNOW! Director. Registrations are not entered until these signatures are obtained. Required Next Generation ACCUPLACER®, ACT, SAT, or currently accepted placement 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 **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 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 2021-2022

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

Nebraska Resident

Tuition per credit.....$106.50

High School Partnership.....$ 53.25

Border Resident (CO, SD, WY)

Tuition per credit.....$ 109.50

Non-Resident and International

Tuition per credit.....$ 110.50

Adult and Continuing Education

Tuition per noncredit course.....Varies

Fees for 2022-2023

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

Resident (per credit hour)..... $17.50
Border Resident $17.50
Non-Resident and International (per credit hour).... $17.50
High School Partnership $8.75
International Student Registration (per semester)... $150.00
Experiential Learning (per cr. hr.)..... $25.00
Transcript (official e-copy) $6.00
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/financial-aid/financial-aid-pdfs/2022-2023-course-fees.pdf**. 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 2022-2023

The following is an estimated budget for two semesters of study for full time, resident, students living on- or off-campus, but not with parents. 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/index** for the current year's budget.

Tuition and Fees (12 credits per term)..... $2,976.00
Books..... $1,500.00
Personal Expenses..... $1,797.00
Transportation $1,680.00
Room and Board..... $7,364.00
Total $15,317.00

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.
- **Military Note:** Military individuals called to active duty are to submit their orders to the Registrar and the Military/Veterans Affairs Office.

Financial Aid

wncc.edu/admissions-aid/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 their 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 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 hours, 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 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 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.

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 **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 their 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 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**. 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 an FSA ID, go to **studentaid.ed.gov/fsa-id/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.FEDAID (1.800.433.3243).**
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 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. An Annual Student Loan Acknowledgement must be completed each year a federal student loan is accepted. All documents may be completed at **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 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 their 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 their financial aid eligibility via the student's WNCC email account. 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 considered 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** 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/.**

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 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 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, a Master Promissory Note (MPN), and Annual Student Loan Acknowledgement 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 their 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 their actual enrollment on the financial aid census date, which is typically ten days into the fall or spring semester.

Satisfactory Academic Progress

Satisfactory 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.

The qualitative and quantitative standards of this policy are at least as strict as the academic policy applied to non-Title IV recipients.

Review of SAP will take place at the end of each payment period, including summer, 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 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 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.

All SAP-related notifications to students will be sent to their WNCC email address, the College's official means of student communication.

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 67%.
- 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 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 67%.

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) if suspended.

- Student has under a 2.0 GPA and/or 67% 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, including summer, according to the approved academic plan.

Financial Aid Satisfactory Academic Progress Criteria

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 67% 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. Students must progress through their program at a "pace" rate of 67% or higher each period of enrollment to ensure program completion within the maximum time frame.
- 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, including summer. 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, including summer. 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. (In courses graded on a Pass/No Pass basis, students are assessed using either a competency-based rubric or a percentage converted to letter grade where a grade of C or higher is considered passing.)
3. Repeated courses are counted for all qualitative and quantitative measurements, as is coursework removed from the permanent transcript through an academic amnesty appeal. The grade from the last attempt of a repeated course is included in the student's cumulative GPA.

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.

Conditions of Appeal

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:

- seeking approval for funding when a change in major or degree has occurred; or
- funding for an additional degree or certificate.

Under all circumstances, all transcripted credits, including transfer credits, are included in the calculation of maximum time frame regardless of whether the student received financial aid for those credits.

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 SAP appeal submissions to allow for processing of the appeal and, if successful, 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 federal 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. Federal regulations allow the institution to charge the student for any portion of federal funds returned on the student's behalf. 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. Iraq & Afghanistan Service Grants
6. Federal Supplemental Educational Opportunity Grant
7. 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.

Complete details regarding this policy are available from the Financial Aid Office. The full Board of Governors' policy (BP-502 Federal Title IV Funds) and President's procedure (PP-502 Financial Aid: Return of Title IV Funds) can be viewed online at **wncc.edu/about-wncc/leadership/board-of-governors/policies**.

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 their 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/admissions-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. Career and academic advisors can assist students in identifying appropriate programs of study. They will also help students draft an academic plan outlining the courses needing to be completed 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 Student Success 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 plan 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 progress and connect with other support resources on and off campus. Questions concerning work in a specific 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 for courses as close to the opening day of registration as possible (early November for spring classes and early April for summer and fall classes) to ensure they stay on track with courses that align with their academic pathway. Students must register for classes prior to the start of the semester. Once classes begin, students are no longer eligible to register.

For degree-seeking students, registration is completed online through Student Planning available via ClassLink on **MYWNCC**. First semester students will work with a professional advisor to learn how to utilize Student

Planning and how the registration process works. An initial academic plan geared toward a student's specific program of study is built in Student Planning. From then on, students will meet with their faculty advisor to develop a plan for the next term's courses. Students are required to meet with the faculty advisors at least once every semester (online, by phone, or in person) to check in before courses are approved for the next term. Once the faculty advisor approves courses each semester, students can login to ClassLink on **MYWNCC**, click on Student Planning, and click the blue "Register Now" button to register for classes.

To change an intended program of study and/or faculty advisor, students should contact the Student Success Center at **pathways@wncc.edu** or call **308.635.6000**.

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 Registrar's 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 e-mail 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 their 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 Registrar's Office, 1601 E. 27th Street, Scottsbluff, NE 69361. The drop is processed according to the date when the student first contacted the instructor.

Summer and Eight-Week Classes

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 Registrar's 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 Registrar's 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 Registrar's 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 Registrar's Office. The total drop must be for extenuating circumstances only. It cannot be used simply to avoid a series of failing grades.
2. The Chief Student Affairs Officer 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 WNCC after a period of absence may petition the Chief Student Services Officer to have a maximum of two (2) semesters of coursework removed from the calculation of their cumulative grade point average (GPA) 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 credits of college-level courses with a GPA of 2.75 or above or 24 consecutive credits with a GPA of 2.25 or above.

Semesters and courses applied to previously earned WNCC degrees, diplomas, or certificates are not eligible for academic amnesty.

If approved, the courses and grades of the semester(s) affected appear on the student's academic transcript with the notation that academic amnesty was granted. All credits and grades taken during the semester(s) for which academic amnesty is approved are subject to 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

President's and Dean's Lists

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 (as required for the AA, AS, AD-N, AFA, and AAS degrees) with a 4.0 grade point average.

A Dean's List is also 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 (as required for the AA, AS, AD-N, AFA, and AAS degrees) with a 3.4 to 3.99 grade point average.

Graduating with Honors

Students graduating with a GPA of 3.4 to 3.99 in college-level courses (numbered 1000 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 (numbered 1000 or higher) or other degree-required courses are recognized as "Graduating with High Honors." Students graduating with honors or high honors are acknowledged during the commencement ceremony each spring.

Academic Probation & Suspension

Western Nebraska Community College is committed to the academic success of its students. To this end, students are expected to make sufficient academic progress to achieve their educational goals. A student's grade point average (GPA) is used to evaluate this progress.

Students are making satisfactory progress and in good academic standing if they have a cumulative GPA of 2.0 or higher. This progress is evaluated at the end of each academic term (fall, spring, and summer), at which time the Registrar will notify students in writing if they have failed to maintain good academic standing.

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

Academic Probation

A student will be placed on academic probation when their cumulative GPA falls below a 2.0. To continue enrollment, the student will be required to meet with their academic advisor and develop a course of action to move forward academically.

Extended Academic Probation

If a student on academic probation earns a semester GPA of 2.0 or better but still has a cumulative GPA below a 2.0, the student will be placed on extended academic probation. To continue enrollment, the student will be required to meet with their academic advisor and develop a course of action to move forward academically.

A student is removed from academic probation or extended academic probation when both the cumulative and semester GPAs are above a 2.0.

Academic Suspension

A student is placed on academic suspension if they have been on academic probation for one semester and both the semester and cumulative GPAs remain below a 2.0 in the semester following the student's placement on academic probation. A student who has been academically suspended from the College will not be allowed to register for classes at any site or via any

modality for at least one academic semester, not including the summer term, immediately following suspension.

The statuses of academic probation, extended academic probation, or academic suspension are not appealable.

Academic Reinstatement

After being academically suspended and to seek re-enrollment at WNCC, the student must submit a petition to the Registrar (**registrar@wncc.edu**), who convenes the Academic Appeals Committee, to be considered for reinstatement. The petition must be received in the Registrar's Office 14 days prior to the start of the academic semester.

If a student is reinstated, they will be placed on extended academic probation and required to meet the conditions indicated above. If a student is denied reinstatement, they may appeal the decision to the Chief Academic Officer.

If a student fails to raise both their semester and cumulative GPA above a 2.0 after being reinstated, the student will once again be suspended from the College. A student who drops all classes or withdraws completely from the College in the first semester back after reinstatement also will be resuspended from the College.

(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 the Registrar's Office.

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

Students may 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 their final course grade must adhere to the following steps in the order presented:

Step 1: Discuss the matter with their 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 may 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 Dean of Instruction 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 Chief Student Services Officer as described in the *Student Handbook.*

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

GRADE	DESCRIPTION	EFFECT ON GPA
A+		4.00
A	Highest Achievement	4.00
A-		3.67
B+		3.33
B	Above Average Achievement	3.00
B-		2.67
C+		2.33
C	Average Achievement	2.00
C-		1.67
D+		1.33
D	Below Average, but passing	1.00
D-		0.67
F	Failure to meet minimum requirements	0.00
P	Passing, credit granted	No effect
NP	Not passing, no credit granted	No effect
CR	Nontraditional credit	No effect
I	Incomplete	No effect; 0.00 if unresolved
W	Official Withdrawal	No effect
E	Emergent Institutional Situation (by Presidential authorization)	No effect
A	Audit	No effect

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.

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

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.

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 technical and vocational areas: applied technologies, business, and 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's 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 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 the Chief Academic Officer. This appeal must be made prior to the start of the term in which graduation is expected to occur.

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 BSAD-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.

	AA	AS	AAS	AD-N	AFA	DIPLOMA	CERTIFICATE
Automotive Technology			X				X
Aviation Maintenance			X				X
Business Administration [Options: accounting, business administration, and management info systems]	X	X					
Business Technology [Options: executive assistant, information technology technical support, medical office management, and staff accountant]			X			X	X
Coding Technician						X	
Collision Repair & Refinishing Technology			X				X
Computer Sciences		X					
Criminal Justice Studies	X		X				
Diesel, Truck, and Heavy Equipment Technology			X			X	X
Education (Early Childhood)	X		X				X
Education (Elementary)	X						
Education (Music)	X						
Education (Secondary) [Endorsement Areas: art; biology; business, marketing, & information technology; chemistry; English language arts; math; social science; and Spanish]	X	X					
Emergency Medical Services			X				
Exercise Science [Options: physical education and health & fitness studies]		X					
Fine Arts [Options: interdisciplinary, music, music performance, musical theatre, theatre, and visual arts]					X		
Foreign Language (Spanish)	X						
General Studies (Language & Art)	X						
General Studies (Math and Science)		X					

	AA	AS	AAS	AD-N	AFA	DIPOMA	CERTIFICATE
General Studies (Social Sciences)	X						
Health Information Technology			X				
Health Professions (Pre) [Options: chiropractic medicine, dentistry, medicine, nursing, pharmacy, physical therapy, and vet/comparative medicine]		X					
Health Sciences [Options: biomedical research (pre), dental hygiene (pre), dietetics, food science (pre), medical technology (pre), and radiologic technology (pre)]		X					
Human Services	X		X				X
Information Technology	X						
Information Technology – Cybersecurity Option	X						
Life Sciences & Natural Resources [Options: agriculture (pre) biology/ecology, forestry/wildlife management, and rangeland management]		X					
Medical Laboratory Technician			X				
Nursing (Associate Degree)				X			
Nursing (Practical)						X	
Paramedic							X
Phlebotomy							X
Physical Sciences & Math [Options: chemistry, engineering (pre), mathematics, and physics		X					
Powerline Construction & Maintenance Technology			X			X	X
Psychology	X						
Social Work	X						
Surgical Technology			X				
Welding Technology			X			X	X

Online Opportunities

AA.4201	Psychology
AA.A.5202E	Business Administration – Accounting Option
AA.B.5202E	Business Administration – Business Administration Option
AA.C.5202E	Business Administration – Management Information Systems (MIS) Option
AA.1199A	Information Technology
AA.1199C	Information Technology – Cybersecurity option
AAS.1199B	Information Technology Technical Support
AAS.5107A	Health Information Technology (fully online)
AAS.5201	Business Technology
AS.1199A	Computer Science
C2.1199	Information Technology Technical Support
C2.5201	General Business Technology
DI.5107B	Coding Technician (fully online)

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 (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 are 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):**	
Written Communication (3 credits selected from the list)	**BSAD-1210** Business Communication (3) **ENGL-1000** Workplace Writing (3) **ENGL-1010** English Composition I (3) or higher
Quantitative Reasoning (3-4 credits selected from the list)	**BSAD-1500** Business Mathematics (3) **MATH-1010** Intermediate Algebra (4) **MATH-1020** Technical Mathematics (3)
Any three (3) additional credits from the following four (4) categories:	
Oral Communication	**SPCH-1110** Public Speaking (3) **SPCH-1200** Human Communication (3)
Personal Development	**PRDV-1010** Achieving College Success (3)
Science	**Choose from:** • **Any BIOS** (4) • **Any CHEM** 4) • **Any PHYS** (4) • **INFO-2350** Intro to Computer Science (3) • **LPNR-1110** Body Structure & Function (4)
Social Science	**Choose from:** • **ANTH** (Anthropology) • **ECON** (Economics) • **HIST** (History) • **POLS** (Political Science) • **PSYC** (Psychology) • **SOCI** (Sociology)

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**

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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 22 credits of general education / prerequisite requirements (see below) and be College Algebra ready for the program. Fifty (50) hours of program specific coursework is required.

General Education Requirements

Students must complete 18 credits as described below:

ASSOCIATE DEGREE OF NURSING General Education Total Credits: 18 credits	
Written Communication (3 credits)	**ENGL-1010** English Composition I (3)
Quantitative Reasoning (4 credits)	**CHEM-1050** Introductory Chemistry or higher
Lab Science (8 credits)	**BIOS-2250** Anatomy & Physiology I and **BIOS-2260** Anatomy & Physiology II
Social Science (3 credits)	**PSYC-1810** Introduction to Psychology

Additional Prerequisite Courses

BIOS-2460 Microbiology 4

Total additional prerequisite courses 4 credits

Required Program Specific Coursework

Students will be required to complete program specific coursework after completing all prerequisites and being accepted to the AD-N program.

Program Specific Coursework 50 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's 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.

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:

ASSOCIATE OF APPLIED SCIENCE General Education Total Credits: 15-17 credits	
Written Communication (3 credits selected from the list)	**BSAD-1210** Business Communication (3) **ENGL-1000** Workplace Writing (3) **ENGL-1010** English Composition I (3)
Oral Communication (3 credits selected from the list)	**SPCH-1110** Public Speaking (3) **SPCH-1200** Human Communication (3)
Quantitative Reasoning (3-4 credits selected from the list)	**BSAD-1500** Business Mathematics (3) *(not accepted for the Practical Nursing Program)* **MATH-1010** Intermediate Algebra (4)

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	MATH-1020 Technical Mathematics (3) **MATH-1150 (or greater)** College Algebra (3) *(required for Info Technology)*
Personal Development (3 credits selected from the list)	**PRDV-1010** Achieving College Success (3) **BSAD-2420** Career Development Capstone (3)
Three (3) to four (4) credits must be selected from one of the following two areas:	
Lab Science	**Choose from:** • **Any BIOS w/ Lab (4)** • **Any CHEM w/ Lab (4)** • **Any PHYS w/ Lab (4)** • **INFO-2350** Intro to Computer Science (3) • **LPNR-1110** Body Structure & Function (4)
Social Science	**Choose from:** • **ANTH** (Anthropology) • **ECON** (Economics) • **HIST** (History) • **POLS** (Political Science) • **PSYC** (Psychology) • **SOCI** (Sociology)

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**	
Written Communication (6 credits)	**ENGL-1010** English Composition I (3) **ENGL-1020** English Composition II (3)

con't.

Oral Communication (3 credits)	**SPCH-1110** Public Speaking (3) **SPCH-1200** Human Communication (3)
Humanities (6 credits from 2 different alphas)	**Choose from:** **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) **ENGL-2050** (American Literature, 1620-1865) (3) **ENGL/EDUC-2110** (Children's Lit) (3) **ENGL-2130** (Survey of English Literature I) (3) **ENGL-2160** (Survey of English Literature II) (3) **ENGL-2170** (American Literature, 1865 – Present) (3) **ENGL-2190** (The Novel) (3) **SPAN-1010** (Elem Spanish I) (5) **SPAN-1020** (Elem Spanish II) (5) **SPAN-2010** (Inter Spanish I) (3) **SPAN-2020** (Inter Spanish II) (3) **PHIL-1010** (Intro to Philosophy) (3) **PHIL-1060** (Intro to Ethics) (3) **PHIL-1100** (Critical Thinking in the Information Age) (3) **PHIL-2250** (Environ Ethics) (3) **PHIL-2610/RELS-2610** (Comparative Religions/Intro to Comparative Religions) (3) **HIST-2100** (World Civilization, 4000 BC – 1500 AD) (3) **HIST-2110** (World Civilization, 1500 AD – Present) (3)

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 BIOS w/ Lab (4)** • **Any CHEM w/ Lab (4)** • **Any PHYS w/ Lab (4)**
Personal Development (3 credits)	**PRDV-1010** Achieving College Success (3)
Social Science (6 credits from 2 different alphas)	**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) con't.

	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 Science 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.

ASSOCIATE OF SCIENCE **General Education Total Credits: 33-34 credits**	
Written Communication (6 credits)	**ENGL-1010** English Composition I (3) **ENGL-1020** English Composition II (3)
Oral Communication (3 credits)	**SPCH-1110** Public Speaking (3) **SPCH-1200** Human Communication (3)
Humanities (3 credits from 1 area)	**Choose from:** **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/EDUC-2110** (Children's Lit) (3) **ENGL-2130** (Survey of English Literature I) (3) **ENGL-2160** (Survey of English Literature II) (3) **ENGL-2170** (American Literature, 1865 – Present) (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) **SPAN-2020** (Inter Spanish II) (3)
	PHILOSOPHY: **PHIL-1010** (Intro to Philosophy) (3) **PHIL-1060** (Intro to Ethics) (3) **PHIL-1100** (Critical Thinking in the Information Age) (3) **PHIL-2250** (Environ Ethics) (3) **PHIL-2610/RELS-2610** (Comparative Religions/Intro to Comparative Religions) (3) **WORLD HISTORY:** **HIST-2100** (World Civilization, 4000 BC – 1500 AD) (3) **HIST-2110** (World Civilization, 1500 AD – Present) (3)
Math (3-4 credits) **(15-16 combined Science/Math credit minimum requirement for AS degree)**	**Choose from:** • **MATH-1150** (College Algebra) (3) • **MATH-1180** (Math for Elementary Teachers) (3) • **MATH-2170** (Applied Statistics) (3)
Natural Science (4 credits from one area) (**15-16 combined Science/Math credit minimum requirement for AS degree)**	**Choose from:** • **Any BIOS w/ Lab (4)** • **Any CHEM w/ Lab (4)** • **Any PHYS w/ Lab (4)**
Personal Development (3 credits)	**PRDV-1010** Achieving College Success (3)
Social Science (3 credits from 1 area)	**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) con't.

	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 AS degree.

Program Specific Coursework **26-27 credits**

Minimum Total Credits for AS **60 credits**

Academic Policies

Academic Transfer

Transferring Credits to WNCC

Academic Credit

Students wishing to transfer to 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 (**registrar@wncc.edu**). The Registrar and applicable department faculty determine transferability based on the equivalency of courses requested for transfer. 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 academic 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.

Nontraditional or Experiential Learning Credit

WNCC recognizes that learning takes place throughout life and that college-level learning is not limited to institutions of higher education or to classroom settings. The rational for allowing experiential learning credit is that adult life and work can offer learning equivalent in substance and complexity to that offered in classrooms.

A maximum of 12 credits of nontraditional or experiential learning credit may be earned in a single subject area included in the *College Catalog*. No more than 16 credits may be applied toward graduation.

Advanced Placement

Advanced Placement (AP) is a program created by the **College Board** which offers college-level **curricula** and examinations to **high school** students. These courses can earn a student college credit and/or qualify the student for more advanced classes while in college.

To receive credit for AP courses, an official report from the College Board must be submitted to the Registrar's Office (**registrar@wncc.edu**) documenting that the student has completed the examination with a rating of at least "3." Credits by Advanced Placement are held pending subsequent enrollment. A grade of "P" is recorded on the academic transcript.

A maximum of 12 AP credits may be earned in subject areas included in the *College Catalog.* An additional four hours may be earned in another subject area to be applied toward degree requirements.

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) is a credit-by-examination program that allows individuals to demonstrate mastery of introductory college-level material. With a sufficient score on a specific exam, individuals can receive academic credit for prior learning acquired outside of the traditional college classroom.

WNCC participates in CLEP in both subject and general areas. Satisfactory scores in the general examination of CLEP may be used to earn up to a maximum of 16 credits at WNCC. A maximum of 12 CLEP credits may be earned in a single subject area included in the *College Catalog.* CLEP credits are held pending subsequent enrollment. A grade of "P" is recorded on the academic transcript. Failures are not listed.

Details concerning the earning of credit by this method can be obtained directly from the Student Success Center or the Testing and Tutoring Center.

Experiential Learning Credit

Students may petition the Registrar (**registrar@wncc.edu**) to receive academic credit for experiential learning acquired through certain life/work experiences. Each petition is assessed on its own merit, and each academic department is responsible for determining whether it will participate in the experiential credit process. All experiential earning must be validated through portfolio or some other suitable evaluation process.

WNCC restricts the number of credits that may in earned in a single subject area to a maximum of twelve (12). Subject areas and courses are limited to those identified in the *College Catalog*. Experiential credit awarded by WNCC may not transfer to other institutions; the determination of transferability rests with the accepting institution.

Military Training

WNCC accepts Military Training credit as recommended by the American Council on Education. Please contact the Registrar (**registrar@wncc.edu**) for further information.

Note: Not all colleges accept nontraditional or experiential learning credits. Students need to be fully aware that the credits may not transfer to another institution.

Transferring Credits from WNCC

Associate Degrees

The Associate of Arts (AA), Associate of Science (AS), and Associate of Fine Arts (AFA) 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, AS, and AFA 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 their 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 into 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, associates 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
- Mid-Plains 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 learn more about the Nebraska Transfer Initiative and to view the list of courses included in the Nebraska Transfer Initiative, as well as those courses for which there is a statewide syllabus, please visit **statewidecourses.org/home.html**

For more information on the 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 associates degree, WNCC will award the degree. This program allows students to finish their associates degree while pursuing their studies at another accredited institution of higher education.

Assessment

Assessment is an ongoing, systematic, and organized process aimed at understanding and improving student learning, the environment for student learning, and all College operations. Assessment promotes quality across the institution by providing evidence to guide effective decision making regarding institutional and programmatic changes, as well as classroom teaching modifications. It is a process that involves all members of the College community – faculty, students, staff, and administration – and provides the foundation for quality improvement based on data collection, analysis, planning, and allocation of resources.

WNCC is committed to assessment, both in and out of the classroom, and seeks to improve teaching and learning, as well as persistence and completion rates.

Program Review

A formal review of all instructional programs offered by Western Nebraska Community College takes place on a five-year cycle, using an internal process and one developed by and reported to the Nebraska Coordinating Commission for Postsecondary Education (CCPE). Programs also may be reviewed at the discretion of a department, division, or Educational Services. Advisory committees comprised of business and industry representatives meet once a semester and provide recommendations regarding program content. A listing of the advisory committees of the College appears in the "**College Information**" section of this catalog.

Tests and Examinations

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

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 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 their instructor or instructors prior to the absence to discuss or arrange to make up 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 themself of specified course alterations or modifications by requesting a Military Leave of Absence (MLOA) through their 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 school 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.

Work-Based Learning

Western Nebraska Community College recognizes that there are important elements of career preparation that cannot adequately be taught within the confines of the classroom. Work-based learning opportunities, in the form of job shadowing, practicums, clinical rotations, and internships allow students to apply classroom theory to real-life, on-the-job experiences. These experiences provide a critical link between the classroom and a chosen career. They also provide students the opportunity to develop the "soft skills" employers look for: professionalism, work ethic, effective communication and interpersonal skills, and personal responsibility and initiative.

Job Shadowing

A job shadow is a short-term learning experience in which a student observes and "shadows" an individual who works in an occupational area of their interest. Typically, job shadows only last a few hours, up to a day. These experiences are good opportunities for students to learn about a "day in the life" of the careers they are interested in. There is no academic credit associated with job shadowing. Job shadows can be set up in the Career Pathways & Advising Office.

Practicum

A practicum requires an in-class component of learning and is always tied to academic credit at WNCC. It is not a paid learning experience.

Practicums are typically arranged by a faculty member as part of the instruction of a course – the opportunity to put into practice what is being taught in the course at that time and building on past instruction. A student earns one college credit per 45 hours of practicum experience in the semester. At WNCC, practicums are most common in the health and social sciences.

Clinical Rotation

A clinical rotation is built into many of the health sciences programs at WNCC as a part of the curricula or program of study. Clinicals, like practicums, require an in-class component of learning and are always tied to academic credit. They are also unpaid learning experiences.

Clinical sites are set up by administrators and program directors at the College, so students are assigned to sites based on availability and fit. These rotations allow students to apply knowledge from the classroom to real life medical situations. Schedules are arranged around class schedules, and credit is provided for the experiences. Just as with a practicum, a student earns one college credit per 45 hours of practicum experience in a semester.

Internships

An internship is work-based learning that ties academic education to the workplace. Students participate in relatively short-term work placements, that can be paid or unpaid. Students are typically responsible for identifying internship opportunities, though faculty members and advisors in the Student Success Center may have resources to share with interested students.

An internship may or may not be tied to academic credit at WNCC. Internships that are tied to academic credit are

guided by learning objectives and evaluated by both the employer and a WNCC faculty sponsor. When tied to academic credit, the course becomes a part of a student's schedule and is evaluated just like a regular class. Some academic programs require internship courses in order to graduate.

WNCC does not require a formal evaluation for internships that are not tied to academic credit, and these experiences will not show up on a student's transcripts. Also, internships do not require any in-class learning experiences as do practicums, but typically require prior in-class learning experiences that tie to the

Internships can be pursued in any academic term – fall, spring, or summer. If a student is interested in exploring an internship, there are two criteria the student must meet:

- Twelve (12) credit hours in program-specific coursework related to the internship as determined by the department and faculty sponsor.
- A minimum cumulative GPA of 2.5 in program-specific coursework.

Prior to the beginning of the semester, a student will meet with a faculty sponsor, the internship coordinator located in the Student Success Center, and the employer with whom the student is interested in working to develop an internship agreement. The faculty sponsor, in consultation with the employer and the students, will determine the number of credit hours the student will earn upon completion of the internship. The number of credit hours will depend upon the length of employment and total hours worked. A student earns one college credit per 60 hours of internship experience in the semester.

Once the training agreement is in place, the coordinating instructor will make periodic visits or phone calls to the respective internship site for evaluative purposes and will ultimately determine the final grade.

A maximum of 12 internship or practicum credit hours can be applied towards a degree.

For more information about work-based experience, please contact the Student Success Center at **308.635.6000** or **pathways@wncc.edu**.

Note: A veteran may not be eligible to receive VA benefits and participate in work-based learning. 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
DSLT Diesel, Truck, & Heavy Equipment Technology
DRAF Drafting Technology
ECED Early Childhood Education
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
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.

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.

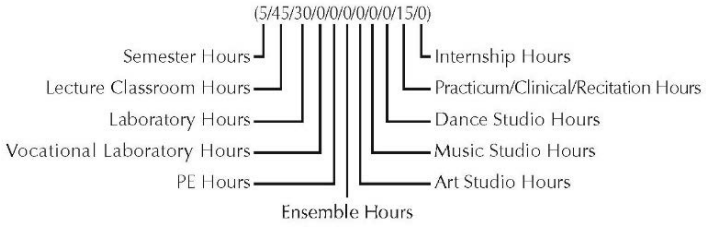
Credit

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 credits 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 Swingers
- MUSC-1240 Varsity Vocalise
- MUSC-1260 WNCC Studio Band
- SPCH-1210 Speech and Debate
- THEA-1760 All College Play

Graduation Requirements

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 2.0 (“C”) on all WNCC credits.

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

Residency Requirement 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 Chief Academic Officer.

Programs of Study

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 curriculum includes information on vehicles from a variety of manufacturers, both foreign and domestic.

Program Outcomes

At the conclusion of the program, students will be able to:

- Demonstrate safe, clean work habits, attitudes, and proficiencies required in 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 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 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 Semester Credits	**16**

2nd Semester		Credits
AUTO-1275	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 Semester Credits	**19**

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

4th Semester		Credits
AUTO-1120	Engine Removal & Reinstallation	2
AUTO-1375	Fuel Systems	3
AUTO-1410	Emission Control Systems & Drivability	3
	Oral Communication GE elective	3
	Written Communication GE elective	3
	Total Semester Credits	**14**
	Total AAS Credits	**64-66**

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

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 Certificate Credits	**16**

Drivetrain and Under Hood Repair Option

Semester		Credits
AUTO-1275	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
	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 WNCC are promulgated upon an extensive set of subject-area criteria which cover not only knowledge levels, but skills demonstration established by the FAA in 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 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

At the conclusion of the program, students will be able to:

- 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 Associate of Applied Science 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

Class	Credits
Written Communication*	3
ENGL-1000 (Workplace Writing) recommended	
Oral Communication	3
SPCH-1200 (Human Communication) recommended	
Quantitative Reasoning*	3
MATH-1020 (Technical Math) recommended	
Social or Lab Science	3
ECON-1230 (General Economics) 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 — 77 credits

See aviation requirements listed below 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 maintenance exceeds the College's definition for a certificate due to industry requirements.

Recommended Plan of Study

1st Semester		Credits
AVIA-1101	Ground Operations and Regulations	3.5
AVIA-1102	Applied Math for Aviation Maintenance	3.5
AVIA-1105	Aircraft Drawing, Fluid Lines, & Nav-Comm	3
AVIA-1106	Materials, Processes, & Corrosion	3.5
AVIA-1109	Applied Electrical Science for Aviation Maintenance	4.5
AVIA-1301	Airframe Systems I	1.5
	Total Semester Credits	**19.5**

2nd Semester		Credits
AVIA-1202	Airframe Structure I	2.5
AVIA-1203	Airframe Structure II	2
AVIA-1204	Airframe Structure III	3
AVIA-1205	Airframe Structure IV	2.5
AVIA-1302	Airframe Systems II	3.5
AVIA-1303	Airframe Systems III	3.5
	Total Semester Credits	**17**

3rd Semester		Credits
AVIA-2302	Airframe Systems IV	3
AVIA-2305	Airframe Systems V	3
AVIA-2307	Airframe Systems VI	3
AVIA-2401	Engine Cooling & Recip Theory	4
AVIA-2501	Powerplant Systems I	4
AVIA-2505	Engine Ignition	3.5
	Total Semester Credits	**20.5**

4th Semester		Credits
AVIA-2402	Powerplant Reciprocating Engine Maintenance	4
AVIA-2403	Powerplant, Turbine Engines	4
AVIA-2502	Powerplant Systems II	4.5
AVIA-2503	Powerplant Electrical	3
AVIA-2504	Powerplant, Lubrication	1.5
AVIA-2511	Powerplant Propellers	3
	Total Semester Credits	**20**

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

At the conclusion of the program, 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.
- 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

- These programs are available in person or 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

Class		Credits
Written Communication		6
Oral Communication		3
Humanities *(from two different alphas)*		6
Math		3-4
Lab Sciences		4
Personal Development		3
Social Science *(from two different alphas; 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 field endorsement areas. 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
	or	
INFO-2000	Advanced Microcomputer Apps	

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:

Class		Credits
ACCT-2200	Cost-Managerial Accounting	3
ACCT-2250	Individual Income Tax	3
ACCT-2310	Accounting Apps (Quickbooks)	3
ACCT-2500	Accounting Internship	3
ACCT-2800	National Certified Bookkeeper Prep	3
BSAD-2100	Managerial Finance	3

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

Class		Credits
ECON-2110	Principles of Macroeconomics	3
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 INFO credits are required:

Class		Credits
INFO-1030	Spreadsheets (Excel)	3
INFO-1040	Database (Access)	3
INFO-1220	Intro to Information Technology	3
INFO-1255	Python	3

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
	or	
INFO-2000	Advanced Microcomputer Apps	
MATH-1150	College Algebra	3
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

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

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

4th Semester		Credits
BSAD-2500	Business Law I	3
	Option area core courses	6
	Humanities GE elective	3
	Social Sciences GE elective	3
	Total Semester Credits	**15**
	Total AA Credits	**61**

Associate of Science

Program Requirements

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 math/science 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
	or	
INFO-2000	Advanced Microcomputer Apps	

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		Credits
ACCT-1200	Principles of Accounting I	3
ENGL-1010	English Composition I	3
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
MATH-1150	College Algebra	3
	or	
MATH-1210	Trigonometry	
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester		Credits
ACCT-1210	Principles of Accounting II	3
BSAD-2520	Principles of Marketing	3
ENGL-1020	English Composition II	3
MATH-1210	Trigonometry	3-5
	or	
MATH-1600	Calculus I	
	Option area core course	3
	Total Semester Credits	**15-17**

3rd Semester		Credits
BSAD-2540	Principles of Management	3
	Option area core course	3
	Math or Lab Science GE elective	3-4
	Oral Communications GE elective	3
	Social Sciences GE elective	3
	Total Semester Credits	**15-16**

4th Semester		Credits
BSAD-2500	Business Law I	3
	Option area core courses	6
	Humanities GE elective	3
	Lab Science GE elective	4
	Total Semester 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 positions.

There are five areas of concentration and various award levels in the Business Technology program from which students can choose:

- General Business (AAS)
- Information Technology Technical Support (AAS and diploma)
- Executive Assistant (diploma and certificates)
- Medical Office Management (AAS)
- Staff Accountant (AAS, diploma, and certificates)

The curriculum for these concentrations is intended for students planning to enter the workforce immediately after graduation.

Notes

- These programs are available in person or 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 BSAD-1500 (Business Mathematics).
- 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).

General Business Option

An Associate of Applied Science degree is available to students in the general business option.

Associate of Applied Science

AAS.5201 (60-62 credits)

Program Outcomes

At the conclusion of the program, 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.
- Apply knowledge of business principles, concepts, and theories acquired throughout the 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 associates degree.
- Demonstrate success at transfer institutions.

Program Requirements

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 of program requirements for a total of 60-62 credits.

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 Business Tech Requirements — 6 credits

Class		Credits
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
BSAD-2420	Career Development Capstone	3
	or	

Substitute 3 credits of internship from the following:

ACCT-2500	Accounting Internship	3

BSTC-2500	Office Internship I	3
INFO-2500	Information Technology Internship	3
MNGT-2500	Management Internship	3

General Business Program Requirements — 39 credits

Class		Credits
ACCT-1200	Principles of Accounting I	3
BSAD-1050	Introduction to Business	3
BSAD-2450	Business Ethics	3
BSAD-2500	Business Law I	3
BSAD-2340	Principles of Marketing	3
BSAD-2540	Principles of Management	3

Plus 21 credits from the following:

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

Total AAS Requirements — 60-62 credits

Executive Assistant Option

Students may select courses leading to a diploma or toward one of two certificates – Executive Assistant I or Executive Assistant II. When the two certificates are combined, 32 of the 38 credits required for the diploma will have been earned.

Diploma

D2.5201B (38 credits)

Program Requirements

To earn an 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 program requirements 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
BSAD-1500	Business Mathematics	3
PRDV-1010	Achieving College Success	3

**Written Communication and Qualitative 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.*

Business Technology Core — 6 credits

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

Executive Assistant Program Requirements — 23 credits

Class		Credits
BSAD-1050	Introduction to Business	3
BSAD-2540	Principles of Management	3
BSAD-2340	Office Management	3
INFO-1030	Spreadsheets (Excel)	3
INFO-1094	Introduction to Database	1
INFO-1097	Electronic Communications (Outlook)	1
INFO-1194	Records Management	3
INFO-1220	Intro to Information Technology	3
INFO-2000	Advanced Microcomputer Apps	3

Total Diploma Requirements — 38 credits

Certificate

C2.5201C (16 credits) – Executive Assistant I
C2.5201D (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 (6) credits of general education requirements, students will have fulfilled the requirements for an executive assistant diploma.

Program Outcomes

At the conclusion of the program, students will be able to:

- 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.

Program Requirements

Executive Assistant I

Class		Credits
BSAD-1050	Introduction to Business *(fall only)*	3
BSAD-2340	Office Management *(fall only)*	3

INFO-1030	Spreadsheets (Excel)	3
INFO-1097	Electronic Communications (Outlook)	1
INFO-1100	Microcomputer Applications	3
PRDV-1010	Achieving College Success	3
	Total Certificate Requirements	**16**

Executive Assistant II

Class		Credits
BSAD-2420	Career Development Capstone *(spring only)* or Any business-related internship	3
BSAD-2540	Principles of Management	3
INFO-1094	Introduction to Database *(spring only)*	1
INFO-1194	Records Management *(spring only)*	3
INFO-1220	Intro to Information Technology	3
INFO-2000	Advanced Microcomputer Apps *(spring only)*	3
	Total Certificate Requirements	**16**

IT Technical Support Option

This option leads to an Associate of Applied Science degree or a diploma in IT Technical Support, leading to an entry or mid-level career in IT.

Associate of Applied Science

AAS.1199B (61-62 credits)

Program Outcomes

At the conclusion of the program, 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.
- Apply knowledge of business principles, concepts, and theories acquired throughout the 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 associates degree.
- Demonstrate success at transfer institutions.

Program Requirements

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 credits of program requirements for a total for 61-63 credits for the information technology technical support option.

AAS General Education Core 15-17 credits

Class	Credits
Written Communication*	3
Oral Communication	3
Quantitative Reasoning* *MATH-1010 (Intermediate Algebra) required*	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 Business Tech Requirement 6 credits

Class		Credits
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
BSAD-2420	Career Development Capstone	3
	or	
Substitute 3 credits of internship from the following:		
ACCT-2500	Accounting Internship	3
BSTC-2500	Office Internship I	3
INFO-2500	Information Technology Internship	3
MNGT-2500	Management Internship	3

IT Technical Support 40 credits

Program Requirements

Class		Credits
INFO-1040	Database (Access)	3
INFO-1097	Electronic Communications (Outlook)	1
INFO-1220	Intro to Information Technology	3
INFO-1241	IT Technical Support	3
INFO-1242	IT Hardware Support	3
INFO-1255	Python	3
INFO-1360	Visual C#	3
	or	
INFO-1510	Introduction to Robotics	
INFO-1400	Networking Essentials	3
INFO-2000	Advanced Microcomputer Apps	3
INFO-2426	Linux	3

INFO-2450	Windows Server	3
INFO-2600	Cybersecurity Essentials	3
INFO-2650	Ethical Hacking & Network Defense	3
Total AAS Requirements		**61-63 credits**

Diploma

D2.1199A (31 credits)

Program Requirements

In addition to the general education requirements (9-10 credits) and core business requirements (6 credits), students must complete 18 credits of program requirements for a total of 34 credits to earn a diploma in information technology technical support.

Diploma General Education Core 9-10 credits

Class		Credits
MATH-1010	Intermediate Algebra (or greater) **	3
BSAD-1210	Business Communication	3
	or	
ENGL-1000	Workplace Writing	
	or	
ENGL-1010	English Composition I (or higher)	
PRDV-1010	Achieving College Success	3

**Written Communication and Qualitative 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 for the IT Technology Support diploma*

Business Technology Core 6 credits

Class		Credit
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
INFO-1400	Networking Essentials***	3

****For the IT Technology Support diploma, this course substitutes for the capstone/internship requirement.*

IT Technical Support 18 credits

Program Requirements

Class		Credit
INFO-1040	Database (Access)	3
INFO-1220	Intro to Information Technology	3
INFO-1241	IT Technical Support	3
Plus nine (9) credits from any INFO courses		**9**
Total Diploma Requirements		**34 credits**

Medical Office Management Option

An Associate of Applied Science degree is available to students in the medical office management option.

Associate of Applied Science

AAS.5204M (64-66 credits)

Program Outcomes

At the conclusion of the program, 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.
- Apply knowledge of business principles, concepts, and theories acquired throughout the 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 associates degree.
- Demonstrate success at transfer institutions.

Program Requirements

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 43 credits of program requirements for a total of 64-66 credits for the Associate of Applied Science degree in medical office management.

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 Business Tech Requirement 6 credits

Class		Credits
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	

BSAD-2420	Career Development Capstone	3
	or	
Substitute 3 credits of internship from the following:		
ACCT-2500	Accounting Internship	3
BSTC-2500	Office Internship I	3
INFO-2500	Information Technology Internship	3
MNGT-2500	Management Internship	3

Medical Office Management 43 credits

Program Requirements

Class		**Credits**
ACCT-1200	Principles of Accounting I	3
ACCT-2310	Accounting Apps (Quickbooks)	3
BSAD-1050	Introduction to Business	3
BSAD-2220	Supervisory Management	3
	or	
BSAD-2340	Office 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 HIMS	3
HIMS-2180	Reimbursement Methodologies	4
HIMS-2100	Coding ICD	4
HIMS-2150	Coding CPT	4
INFO-1030	Spreadsheets (Excel)	3
INFO-1194	Records Management	3
Total AAS Requirements		**64-66 credits**

Recommended Plan of Study

1st semester		**Credits**
BSAD-2220	Supervisory Management	3
	or	
BSAD-2340	Office 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 Semester Credits	**16**

2nd semester		**Credits**
ACCT-1200	Principles of Accounting I	3
BSAD-1500	Business Mathematics	3
HIMS-1500	Legal & Ethical Aspects of HIMS	3
INFO-1100	Microcomputer Apps	3
	or	
INFO-2000	Advanced Microcomputer Apps	
INFO-1194	Records Management	3
	Total Semester Credits	**15**

3rd semester		**Credits**
BSAD-1210	Business Communications	3
HIMS-1410	Disease Process	4
HIMS-2150	Coding CPT (with lab)	4
INFO-1030	Spreadsheets	3
	Total Semester Credits	**14**

4th semester		**Credits**
BSAD-1050	Introduction to Business	3
BSAD-2420	Career Development Capstone	3
	or	
BSTC-2500	Office Internship I	
HIMS-2100	Coding ICD (with lab)	4
SPCH-1200	Human Communication	3
	Total Semester Credits	**13**

5th semester		**Credits**
ACCT-2310	Accounting Apps (Quickbooks)	3
HIMS-2180	Reimbursement Methodologies (with lab)	4
	Total Semester Credits	**7**
	Total AAS Med. Office Man.	**65**

Staff Accountant Option

An Associate of Applied Science degree, diploma, or certificate are available to students pursuing a credential as a staff accountant. This focus area is appropriate for those seeking positions as bookkeepers.

Associate of Applied Science

AAS.5201C (60-61 credits)

Program Outcomes

At the conclusion of the program, 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.
- Apply knowledge of business principles, concepts, and theories acquired throughout the 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 associates degree.
- Demonstrate success at transfer institutions.

Program Requirements

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 38 credits of program requirements for a total of 60-62 credits for the Associate of Applied Science in staff accounting.

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 Business Tech Requirement 6 credits

Class		Credits
BSAD-2420	Career Development Capstone	3
	or	
ACCT-2500	Accounting Internship	3
INFO-2000	Advanced Microcomputer Apps	3

Staff Accountant Program Requirements 38 credits

Class		Credits
ACCT-1200	Principles of Accounting I	3
ACCT-1210	Principles of Accounting II	3
ACCT-2200	Cost/Managerial Accounting	3
ACCT-2250	Individual Income Tax	3
ACCT-2310	Accountings Apps (Quickbooks)	3
ACCT-2500	Accounting Internship	3
ACCT-2800	Nat'l Certified Bookkeeper Prep	3
BSAD-2100	Managerial Finance	3
INFO-1030	Spreadsheets (Excel)	3
INFO-1094	Intro to Database (Access)	1
INFO-1097	Electronic Communications (Outlook)	1
INFO-1194	Records Management	3
	Any ACCT, BSAD, or INFO elective	6

Total AAS Requirements 60-61 credits

Diploma

D2.5201A (44 credits)

Program Requirements

To earn a diploma in staff accounting, students must complete nine (9) credits of general education requirements, six (6) credits of business technology core requirements, and 29 credits of program requirements for a total of 44 credits. The 32 hours earned by completing certificate requirements in Staff Accountant I and Staff Accountant II can be applied to the diploma program.

Diploma General Education Core 9-10 credits

Class		Credits
BSAD-1500	Business Mathematics	3
	or	
MATH-0160	Introductory Algebra (or higher)	4
BSAD-1210	Business Communication	3
	or	
ENGL-1000	Workplace Writing	
	or	
ENGL-1010	English Composition I	
PRDV-1010	Achieving College Success	3

**Written Communication and Qualitative 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.*

Business Technology Core 6 credits

Class		Credit
BSAD-2420	Career Development Capstone	3
	or	
ACCT-2500	Accounting Internship	3
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	3

Staff Accountant Program Requirements 29 credits

Course		Credits
ACCT-1200	Principles of Accounting I	3
ACCT-1210	Principles of Accounting II	3
ACCT-2200	Cost/Managerial Accounting	3
ACCT-2250	Individual Income Tax	3
ACCT-2310	Accountings Apps (Quickbooks)	3
ACCT-2800	Nat'l Certified Bookkeeper Prep	3
BSAD-2100	Managerial Finance	3
INFO-1030	Spreadsheets (Excel)	3
INFO-1094	Intro to Database (Access)	1
INFO-1097	Electronic Communications (Outlook)	1

INFO-2330	Records Management	3
Total Diploma Requirements		**44 credits**

Certificate

C2.5201A (16 credits) – Staff Accountant I
C2.5201B (16 credits) – Staff Accountant II

WNCC offers two staff accountant certificate options. Each option provides a standalone certificate, but when combined with an additional three (3) credits of business core requirements and six (6) credits of general education requirements, students will have fulfilled the requirements for a staff accountant diploma. These credits can also fulfill 32 credits required for the staff accountant AAS degree.

Program Outcomes

At the conclusion of the program, students will be able to:

- 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 an understanding of GAAP and processes commonly used in accounting to ensure compliance with all federal and state laws.
- Operate computerized accounting software to record, archive, and analyze information.

Program Requirements

Staff Accountant I

Course		Credits
ACCT-1200	Principles of Accounting I	3
ACCT-2310	Accountings Apps (Quickbooks)	3
ACCT-2250	Individual Income Tax	3
INFO-1030	Spreadsheets (Excel)	3
INFO-1097	Electronic Communications (Outlook)	1
INFO-1100	Microcomputer Apps	3
	Total Certificate Requirements	**16**

Staff Accountant II

Course		Credits
ACCT-1210	Principles of Accounting II	3
ACCT-2200	Cost/Managerial Accounting	3
ACCT-2800	Nat'l Certified Bookkeeper Prep	3
BSAD-2100	Managerial Finance	3
INFO-1094	Intro to Database (Access	1
INFO-1194	Records Management	3
	Total Certificate Requirements	**16**

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

At the conclusion of the program, students will be able to:

- 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.
- 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 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

Class	Credits
Written Communication*	3
BSAD-1210 (Business Communication) or ENGL-1000 (Workplace Writing) recommended	
Oral Communication	3
SPCH-1110 (Public Speaking) or SPCH-1200 (Human Communication) recommended	
Quantitative Reasoning*	3-4
BSAD-1500 (Business Math) or MATH-1020 (Technical Mathematics) recommended	
Social or Lab Science	3-4
INFO-2350 (Intro to Computer Science) recommended	

Personal Development		3
PRDV-1010 (Achieving College Success) or BSAD-2420 (Career Development) recommended		

**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) 49 credits

Total AAS Requirements 64-66 credits

Recommended Plan of Study

1st Semester		**Credits**
AUTB-1000	Collision Repair Tools & Safety	1
AUTB-1015	Basic Metal Repair I	3
AUTB-1100	Non-Structural Panel Alignment	3
AUTB-2010	Advanced Metal Repair	3
AUTB-2300	Welded Panel Replacement & Corrosion Protection	3
WELD-1070	Basic Welding – Auto Body	3
	Total Semester Credits	**16**

2nd Semester		**Credits**
AUTB-1005	Refinish Equipment & Environmental Practices	1
AUTB-1200	Plastics & Adhesives	3
AUTB-1320	Refinish Preparation	3
AUTB-1330	Refinish Materials & Applications	3
AUTB-2330	Color Theory & Finish Matching	3
AUTB-2340	Advanced Paint Application	3
	Quantitative Reasoning GE elective	3-4
	Total Semester Credits	**18-19**

3rd Semester		**Credits**
AUTB-1220	Electrical & Mechanical Components	3
AUTB-2050	Collision Forces Theory & Damage Identification	3
AUTB-2350	Structural Analysis & Straightening Equipment	3
	Social/Lab Science GE electives	3-4
	Written Communication GE elective	3
	Total Semester Credits	**15-16**

4th Semester		**Credits**
AUTB-2360	Special Finishes	3
AUTB-2420	Structural Repair Process	3
AUTB-2450	Structural Component Replacement	3
	Oral Communication GE electives	3
	Personal Development GE elective	3
	Total Semester 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 refinish technology.

Recommended Plans of Study

Non-Structural Collision Repair Certificate

Semester		**Credits**
AUTB-1000	Collision Repair Tools & Safety	1
AUTB-1015	Basic Metal Repair I	3
AUTB-1100	Non-Structural Panel Alignment	3
AUTB-2010	Advanced Metal Repair	3
AUTB-2300	Welded Panel Replacement & Corrosion Protection	3
WELD-1070	Basic Welding – Auto Body	3
	Total Certificate Credits	**16**

Automotive Paint and Refinish Certificate

Semester		**Credits**
AUTB-1005	Refinish Equipment & Environmental Practices	1
AUTB-1200	Plastics & Adhesives	3
AUTB-1320	Refinish Preparation	3
AUTB-1330	Refinish Materials & Applications	3
AUTB-2330	Color Theory & Finish Matching	3
AUTB-2340	Advanced Paint Application	3
	Total Certificate Credits	**16**

Structural Collision Repair Certificate

1st Semester		**Credits**
AUTB-1220	Electrical & Mechanical Components	3
AUTB-2050	Collision Forces Theory & Damage Identification	3

AUTB-2350	Structural Analysis & Straightening Equipment	3
	Total Semester Credits	**9**
2nd Semester		**Credits**
AUTB-2360	Special Finishes	3
AUTB-2420	Structural Repair Process	3
AUTB-2450	Structural Component Replacement	3
	Total Semester Credits	**9**
	Total Certificate Credits	**18**

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, software or 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

At the conclusion of the program, students will be able to:

- 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 available in person or 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 meets 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

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 math/science 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

Class		Credit
INFO-1040	Database (Access)	3
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
INFO-1220	Intro to Information Technology	3
INFO-1241	IT Technical Support	3
INFO-1250	HTML	3
INFO-1360	Visual C#	3
INFO-1510	Introduction to Robotics	3
INFO-2350	Introduction to Computer Science	3
INFO-2355	Computer Science I	3
INFO-2426	Linux	3

Total AS requirements 62-63 credits

Recommended Plan of Study

1st Semester (fall)		Credits
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
INFO-1220	Intro to Information Technology	3
INFO-1510	Introduction to Robotics	3
MATH-1150	College Algebra (or higher)	3
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester (spring)		Credits
INFO-1040	Database (Access)	3
INFO-1100	HTML	3
INFO-1241	IT Technical Support	3
INFO-1360	Visual C#	3
MATH-1210	Trigonometry (or higher)	3
	Total Semester Credits	**15**

3rd Semester (fall)		Credits
ENGL-1010	English Composition I	3
INFO-2350	Introduction to Computer Science	3
MATH-1600	Calculus I	5
	Social Science GE elective	3
	Humanities GE elective	3
	Total Semester Credits	**17**

4th Semester (spring)		Credits
ENGL-1020	English Composition II	3
INFO-2355	Computer Science I	3
INFO-2426	Linux	3
	Lab Science GE elective	4
	Oral Communication GE elective	3
	Total Semester Credits	**16**

Total AS Credits 63

Criminal Justice

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

The program in criminal justice provides a broad academic and multi-disciplinary foundation to prepare students for professional careers in law enforcement, the court system, corrections, and victim advocacy, as well as advanced academic studies.

Program Outcomes

At the conclusion of the program, students will be able to:

- 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:

Class		Credit
CRIM-1010	Introduction to Criminal Justice	3
CRIM-2000	Criminal Law	3
CRIM-2030	Police & Society	3
CRIM-2260	Criminal Investigation	3

Associate of Arts

AA.4301 (60 credits)

A sample course of study is provided below. Students should consult their advisor early in their WNCC career to determine a curriculum best suited to their educational goals and transfer needs.

Program Requirements

AA General Education Core 31-32 credits

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

Core Program Requirements 30 credits

Class		Credits
CRIM-1010	Introduction to Criminal Justice	3
CRIM-1020	Introduction to Corrections	3
CRIM-2000	Criminal Law	3
CRIM-2030	Police & Society	3
CRIM-2080	Criminal Procedure	3
CRIM-2110	Juvenile Justice	3
CRIM-2150	Contemporary Issues in Criminal Justice	3
CRIM-2250	Community-Based Corrections	3
HUSR-1620	Intro to Human Services	3
INFO-1220	Intro to Information Technology	3

Total AA Requirements 61-62 credits

Recommended Plan of Study

1st Semester		Credits
CRIM-1010	Introduction to Criminal Justice	3
CRIM-1020	Introduction to Corrections	3
ENGL-1010	English Composition I	3
INFO-1220	Intro to Information Technology	3
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester		Credits
CRIM-2030	Police & Society	3
CRIM-2080	Criminal Procedures	3
ENGL-1020	English Composition II	3
MATH-1150	College Algebra (or higher)	3-4
	or	
MATH-2170	Applied Statistics	
	Social Science GE elective *(PSYC-1810 recommended)*	3
	Total Semester Credits	**15-16**

3rd Semester		Credits
CRIM-2000	Criminal Law	3
CRIM-2250	Community-Based Corrections	3
HUSR-1620	Intro to Human Services	3
	Humanities GE elective	3
	Oral Communication GE elective	3
	Total Semester Credits	**15**

4th Semester		Credits
CRIM-2110	Juvenile Justice	3
CRIM-2150	Contemporary Issues in Criminal Justice	3
	Humanities GE elective	3
	Lab Science GE elective	4
	Social Science GE Elective	3
	Total Semester Credits	**16**
	Total AA Credits	**61-62**

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

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.*

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

Core Program Requirements 45 credits

Class		Credits
CRIM-1010	Introduction to Criminal Justice	3
CRIM-1020	Introduction to Corrections	3
CRIM-2000	Criminal Law	3
CRIM-2030	Police & Society	3
CRIM-2080	Criminal Procedure	3
CRIM-2110	Juvenile Justice	3
CRIM-2150	Contemporary Issues in Criminal Justice	3
CRIM-2200	Criminology	3
CRIM-2250	Community-Based Corrections	3
CRIM-2260	Criminal Investigation	3

Required Elective Courses 15 credits

Choose from the courses listed below:

Class		Credits
HUSR-1620	Intro to Human Services*	3
INFO-1220	Intro to Information Technology*	3
PHIL-1060	Introduction to Ethics	3
PSYC-1810	Introduction to Psychology *	3
PSYC-2090	Abnormal Psychology	3
SOCI-1010	Introduction to Sociology	3
SOCI-2150	Issues of Unity & Diversity	3
SPAN-1010	Elementary Spanish I	5
SPAN-1020	Elementary Spanish II	5

**recommended courses*

Total AAS Requirements 60-62 credits

Recommended Plan of Study

1st Semester		Credits
CRIM-1010	Introduction to Criminal Justice	3
CRIM-1020	Introduction to Corrections	3
PRDV-1010	Achieving College Success	3
	Written Communication GE elective	3
	Criminal Justice elective *(HUSR-1620 recommended)*	3
	Total Semester Credits	**15**

2nd Semester		Credits
CRIM-2030	Police & Society	3
CRIM-2080	Criminal Procedure	3
	Oral Communication GE elective	3

	Quantitative Reasoning GE elective	3-4
	Criminal Justice elective *(PSYC-1810 recommended)*	3
	Total Semester Credits	**15-16**
3rd Semester		**Credits**
CRIM-2000	Criminal Law	3
CRIM-2250	Community-Based Corrections	3
CRIM-2260	Criminal Investigation	3
	Social or Lab Science GE elective	3-4
	Criminal Justice elective *(INFO-1220 recommended)*	3
	Total Semester Credits	**15-16**
4th Semester		**Credits**
CRIM-2110	Juvenile Justice	3
CRIM-2150	Contemporary Issues in Criminal Justice	3
CRIM-2200	Criminology	3
	Criminal Justice electives (2)	6
	Total Semester Credits	**15**
	Total AAS Credits	**60-62**

Diesel, Truck, and Heavy Equipment Technology

Associate of Applied Science
Diploma
Certificate
Scottsbluff

The Diesel, Truck, and Heavy Equipment Technology program is designed to prepare students to enter the field of diesel, truck, and heavy equipment service, maintenance, and repair. The curriculum includes diagnostic, maintenance, and repair courses in the areas diesel engine, powertrain, electrical, and heating-ventilation-air conditioning (HVAC). The suggested curriculum meets the requirements to receive the Associate of Applied Science degree. Specialized certificates are available in the areas of engine and powertrain and electrical/electronics.

Program Outcomes

At the conclusion of the program, students will be able to:

- Perform diagnostics, service, maintenance, and repairs on diesel and industrial engines following recommended procedures and service information.
- Perform diagnostics, service, maintenance, and repairs on electrical and electronic systems of tractor-trailer fleet vehicles and construction and agricultural equipment following recommended procedures and service information.
- Perform diagnostics, service, maintenance, and repairs on powertrain, hydraulic, and brake systems of tractor-trailer fleet vehicles and construction and agricultural equipment following recommended procedures and service information.
- Perform diagnostics, service, maintenance, and repairs on HVAC systems of tractor-trailer fleet vehicles and construction and agricultural equipment following recommended procedures and service information.
- Perform diagnostics, service, maintenance, and repairs on suspension, steering, and alignment systems of tractor-trailer fleet vehicles and construction and agricultural equipment following recommended procedures and service information.
- Apply individual and clustered skill sets for diesel and alternate-fuel system engines and electrical and electronic, emissions, HVAC, hydraulic, and brake systems used in tractor-trailer fleet vehicles and construction and agricultural equipment

- Exhibit professional conduct and ethics in the workplace necessary for successful employment in the service industry.
- Demonstrate adherence to safe practices and safety protocols of the diesel, truck, and heavy equipment technology industry.

Associate of Applied Science

AAS.4703 (60 credits)

For the Associate of Applied Science in diesel, truck, and heavy equipment technology, the student will need to complete 62-66 credits that include a minimum of 15 general education credits. A sample course of study is provided.

Program Requirements

AAS General Education Core 15-17 credits

Class	Credits
Written Communication* *ENGL-1010 (Workplace Writing) recommended*	3
Oral Communication	3
Quantitative Reasoning* *MATH-1020 (Technical Mathematics) recommended*	3-4
Social or Lab Science	3-4
Personal Development *PRDV-1010 (Achieving College Success) recommended*	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 43-45 credits

Total AAS Requirements 61-64 credits

Recommended Plan of Study

1st Semester (fall)		Credits
AMDT-1000	OSHA 10 for General Industry	1
AUTO-1210	Auto Parts Specialist	2
DSLT-1010	Basic Shop Skills	2
DSLT-1350	Safety and Emergency Response	1
ENGL-1000	Workplace Writing	3
PRDV-1010	Achieving College Success	3
WELD-1015	Introduction to Welding	3
	Total Semester Credits	**15**

2nd Semester (spring)		Credits
DSLT-1110	Diesel Engines I	3
DSLT-1150	Electrical I	2
DSLT-1250	Powertrain	4
DSLT-2110	Diesel Engines II	3
MATH-1020	Technical Mathematics	3
	Total Semester Credits	**15**

Summer Term (optional)		
DSLT-2500	Diesel Technology Internship	3
	Total Semester Credits	**3**

3rd Semester (fall)		Credits
DSLT-1050	Brake Systems	3
DSLT-1210	Essential Professional Skills	2
DSLT-2010	Suspension, Steering, & Alignment	3
DSLT-2150	Electrical II	3
DSLT-2350	Hydraulics	2
	Oral Communication GE elective *(see advisor)*	3
	Total Semester Credits	**16**

4th Semester (spring)		Credits
AUTO-1350	Automotive Heating & Air Conditioning	4
AUTO-1360	Automotive Air Conditioning R134-A	1
DSLT-2200	Electronics	2
DSLT-2250	Emissions	2
INFO-1100	Microcomputer Applications	3
	Lab or Social Science GE elective *(see advisor)*	3-4
	Total Semester Credits	**15-16**
	Total AAS Credits	**61-64**

Diploma

D2.4703 (31 credits)

To earn a diploma in diesel, truck, and heavy equipment technology, students must complete nine (9) credits of general education requirements and 22 core program requirements as prescribed below.

General Education Requirements 9 credits

Course	Credits
Written Communication* *ENGL-1010 (Workplace Writing) recommended*	3
Quantitative Reasoning* *MATH-1020 (Technical Mathematics) recommended*	3-4

Personal Development		3
PRDV-1010 (Achieving College Success) recommended		

**Written Communication and Qualitative 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 21 credits

Total Diploma Requirements 30 credits

Recommended Plan of Study

1st Semester (fall)		**Credits**
AMDT-1000	OSHA 10 for General Industry	1
AUTO-1210	Auto Parts Specialist	2
DSLT-1010	Basic Shop Skills	2
DSLT-1350	Safety and Emergency Response	1
ENGL-1000	Workplace Writing	3
PRDV-1010	Achieving College Success	3
WELD-1015	Introduction to Welding	3
	Total Semester Credits	**15**
2nd Semester (spring)		
DSLT-1110	Diesel Engines I	3
DSLT-1150	Electrical I	2
DSLT-1250	Powertrain	4
DSLT-2110	Diesel Engines II	3
MATH-1020	Technical Mathematics	3
	Total Semester Credits	**15**
	Total Diploma Credits	**30**

Certificates

C2.4703A (16 credits) – Engine and Powertrain

C2.4703B (19 credits) – Advanced Electrical/Mechanical

WNCC offers two specialized certificate programs in diesel, truck, and heavy equipment technology, one focusing on engine and powertrain and another on electrical/mechanical. Each of the two certificates is designed as a standalone program or can be combined to fulfill 35 of the 60-64 credits required for the Associate of Applied Science degree.

Recommended Plans of Study

Engine and Powertrain Certificate

1st Semester (fall)		**Credits**
AUTO-1210	Auto Parts Specialist	2
DSLT-1010	Basic Shop Skills	2
	Total Semester Credits	**4**
2nd Semester (spring)		
DSLT-1110	Diesel Engines I	3
DSLT-1150	Electrical I	2
DSLT-1250	Powertrain	4
DSLT-2110	Diesel Engines II	3
	Total Semester Credits	**12**
	Total Certificate Credits	**16**

Advanced Electrical/Mechanical Certificate

1st Semester (fall)		**Credits**
DSLT-1050	Brake Systems	3
DSLT-2010	Suspension, Steering, & Alignment	3
DSLT-2150	Electrical II	3
DSLT-2350	Hydraulics	2
	Total Semester Credits	**11**
2nd Semester (spring)		
AUTO-1350	Automotive Heating & Air Conditioning	4
DSLT-2200	Electronics	2
DSLT-2250	Emissions	2
	Total Semester Credits	**8**
	Total Certificate Credits	**19**

Education (Early Childhood)

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

The Early Childhood Education program at WNCC is designed for majors interested in working with young children from birth through eight years of age. This coursework enhances careers in teaching and paraprofessional employment opportunities in preschool programs, private and public schools, Head Start programs, family childcare homes and centers, and other positions working with young children.

Program Outcomes

At the conclusion of the program, students will be able to:

- Understand young children's characteristics, needs, and multiple interacting influences on children's development and learning to create environments that are healthy, respectful, supportive, and challenging for each child.
- Understand that successful early childhood education depends upon partnerships with children's families and communities; understand and value the importance and complex characteristics of children's families and communities; use this understanding to create respectful, reciprocal relationships that support and empower families; and understand the importance of providing opportunities for families to be involved in their children's development and learning.
- Understand that child observation, documentation, and other forms of assessment are central to the practice of all early childhood professionals; know and understand the goals, benefits, and uses of assessment; and know about and use systematic observations, documentation, and other effective assessment strategies in a responsible way, in partnership with families and other professionals, to positively influence the development of every child.
- Understand that teaching and learning with young children is a complex enterprise, and its details vary depending on children's ages, characteristics, and the settings within which teaching and learning occur; know the essential concepts, inquiry tools, and structure of content areas, including academic subjects, and can identify resources to deepen their understanding; and use their own knowledge and other resources to design, implement, and evaluate meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for every young child.
- Use their knowledge of academic disciplines to design, implement, and evaluate experiences that promote positive development and learning for each child; know the essential concepts, inquiry tools, and structure of content areas, including academic subjects, and can identify resources to deepen their understanding
- Identify and conduct themselves as members of the early childhood profession; know and use ethical guidelines and other professional standards related to early childhood practice; perform as continuous, collaborative learners who demonstrate knowledgeable, reflective, and critical perspectives on their work, making informed decisions that integrate knowledge from a variety of sources; and serve as informed advocates for sound educational practices and policies.
- Engage in field experiences and clinical practice that are planned and sequenced; develop the knowledge, skills, and professional dispositions necessary to promote the development and learning of young children across the entire developmental period of early childhood, in at least two of three early childhood age groups (birth – 3 years, 3 – 5 years, 5 – 8 years) and in a variety of settings that offer early education, including early school grades, child care centers and homes, and Head Start programs.

Associate of Arts

AA.1312C (60-62 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 academic advisor 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 *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

Early Childhood Education 29-30 credits

Program Requirements and Electives

Required Classes

Class		Credits
ECED-1060	Observation, Assessment, & Guidance	3
ECED-1110	Infant Toddler Development	3
ECED-1120	Preschool Child Development	2
ECED-1150	Intro to Early Childhood Education	3
ECED-1230	School-Age Child Development	2
ECED-2050	Children with Exceptionalities	3
ECED-2060	Early Childhood Education Curriculum Planning	3
EDUC-2110/ ENGL-2110	Children's Literature	3

Elective Options

ECED-1050	Expressive Arts	3
ECED-1160	Early Language & Literacy	3
ECED-1220	Pre-Practicum	1
ECED-1260	Early Childhood Health, Safety, & Nutrition	3
ECED-1610	Infant Practicum	1
ECED-1640	School-Age Practicum	1
ECED-2070	Family & Community Relationships	3

Total AA Requirements 60-62 credits

Recommended Plan of Study

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

4th Semester		Credits
ECED-2060	Early Childhood Education Curriculum Planning	3
EDUC-2110/ ENGL-2110	Children's Literature	3
	Lab Science GE elective	4
	ECED electives	6
	Total Semester Credits	**16**
	Total AA Credits	**60-62**

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 suits 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 Program Requirements 39 credits

Class		Credits
ECED-1010	CDA Preparatory Seminar I	3
ECED-1050	Expressive Arts	3
ECED-1060	Observation, Assessment, & Guidance	3
ECED-1110	Infant Toddler Development	3
ECED-1120	Preschool Child Development	2
ECED-1150	Intro to Early Childhood Education	3
ECED-1160	Early Language & Literacy	3
ECED-1220	Pre-Practicum	1
ECED-1230	School-Age Child Development	2
ECED-1610	Infant Practicum	1
ECED-1620	Toddler Practicum	1
ECED-1630	Preschool Practicum	1
ECED-1640	School Age Practicum	1
ECED-2050	Children with Exceptionalities	3
ECED-2060	Early Childhood Education Curriculum Planning	3
ECED-2070	Family & Community Relationships	3
EDUC-2110/ ENGL-2110	Children's Literature	3

Electives 6 credits

Total AAS Credits 60-62 credits

Recommended Plan of Study

1st Semester		Credits
ECED-1050	Expressive Arts	3
ECED-1060	Observation, Assessment, & Guidance	3
ECED-1150	Intro to Early Childhood Education	3
ENGL-1010	English Composition I	3
PRVD-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester		Credits
ECED-1110	Infant/Toddler Development	3
ECED-1120	Preschool Child Development	2
ECED-1220	Pre-Practicum	1
EDUC-2110/ ENGL-2110	Children's Literature	3
	Lab Science GE elective *(BIOS-1000 recommended)*	3
	Elective *(see advisor)*	3
	Total Semester Credits	**15**

3rd Semester		Credits
ECED-1160	Early Language & Literacy	3
ECED-1230	School-Age Child Development	2
ECED-1610	Infant Practicum	1
ECED-1620	Toddler Practicum	1
ECED-2060	Early Childhood Education Curriculum Planning	3
	Quantitative GE elective	3-4
	Oral Communication GE elective	3
	Total Semester Credits	**16-17**

4th Semester		Credits
ECED-1010	CDA Preparatory Seminar I	3
ECED-1630	Preschool Practicum	1
ECED-1640	School Age Practicum	1
ECED-2050	Children with Exceptionalities	3

ECED-2070	Family & Community Relationships	3
	Elective *(see advisor)*	3
	Total Semester Credits	**14**
	Total AAS Credits	**60-61**

Certificate

C2.1312 (16 credits)

The Early Childhood Education program at WNCC offers a 16-credit hour certificate credential. The certificate is designed as a standalone program, or the majority of the 16 credit hours can be applied toward the AA or AAS in early childhood education.

Recommended Plans of Study

1st Semester		**Credits**
ECED-1110	Infant/Toddler Development	3
ECED-1120	Preschool Child Development	2
ECED-1150	Intro to Early Childhood Education	3
ECED-1220	Pre-Practicum	1
	Total Semester Credits	**9**

2nd Semester		**Credits**
ECED-1260	Early Childhood Health, Safety, & Nutrition	3
ECED-1610	Infant Practicum	1
	or	
ECED-1620	Toddler Practicum	
	or	
ECED-1630	Preschool Practicum	
ECED-2070	Family & Community Relationships	3
	Total Semester Credits	**7**
	Total Certificate Credits	**16**

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

At the conclusion of the program, students will be able to:

- 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

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

Elementary Education Core — 30 credits

Class		Credits
EDUC-1110	Intro to Professional Education	3
EDUC-2000	Educational Psychology	3
EDUC/ ENGL-2110	Children's Literature* *(spring only)*	3
EDUC-2300	The Exceptional Learner	3
EDUC-2590	Instructional Technology	3
EDUC-2860	Music for Elementary Teachers *(fall only)*	3
EDUC-2890	Art for Elementary Teachers*	3
MATH-1180	Math for Elementary Teachers*	3
PSYC-1810	Introduction to Psychology*	3
PSYC-2100	Child & Adolescent Development	3

**fulfills general education requirement*

Electives — 8 credits

Total AA Requirements — 60 credits

Recommended Plan of Study

1st Semester		Credits
EDUC-1110	Intro 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 Semester Credits	**16**

2nd Semester		Credits
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
MATH-1180	Math for Elementary Teachers	3
PSYC-2100	Child & Adolescent Development	3
	Oral Communication GE elective	3
	Total Semester Credits	**15**

3rd Semester		Credits
EDUC-2300	The Exceptional Learner	3
EDUC-2860	Music Education for Elementary Teachers	3
EDUC-2890	Art Education for Elementary Teachers	3
POLS-1000	American Government or History elective	3
	Humanities GE elective	3
	Total Semester Credits	**15**

4th Semester		Credits
EDUC/ ENGL-2110	Children's Literature	3
EDUC-2590	Instructional Technology	3
	Electives	8
	Total Semester Credits	**14**
	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

- Identify current issues in education and their impact in the classroom.
- Understand traditional music notation.
- Interpret the compositional process, the aesthetic properties of style, and the ways these are shaped by artistic and cultural forces within the common-practice-period style.
- Employ the common elements and organizational patterns of music and their interactions in aural, verbal, and visual analysis.
- Take aural dictation.
- Exhibit keyboard competency.
- Demonstrate effective work processes, professionalism, and a coherent set of ideas and goals that are embodied in their work.
- Perform requisite technical skills for artistic self-expression in at least one major performance area at a level appropriate for the specific music concentration.

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 advisor.

Program Requirements

AA General Education Core 31-32 credits

Class	Credits
Written Communication	6

Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

Music Education Core — 34 credits

Class		Credits
EDUC-1110	Intro to Professional Education	3
EDUC-2860	Music Education for Elementary Teachers	3
MUSC-1000	Music Convocation (4 semesters)	0
MUSC-1010	Music Appreciation*	3
MUSC-1110	Keyboarding Skills I	1
MUSC-1111	Keyboarding Skills II	1
MUSC-1112	Keyboarding Skills III	1
MUSC-1113	Keyboarding Skills IV	1
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory Lab I	1
MUSC-1475	Music Theory II	3
MUSC-1475L	Music Theory Lab II	1
MUSC-2455	Music Theory III	3
MUSC-2455L	Music Theory Lab III	1
MUSC-2475	Music Theory IV	3
MUSC-2475L	Music Theory Lab IV	1
	Applied Music Lessons (4 semesters)	4
	Instrumental or Vocal Ensemble (4 semesters)	4

* *fulfills general education requirement*

Total AA Requirements — 65 credits

Recommended Plan of Study

1st Semester		Credits
EDUC-1110	Intro to Professional Education	3
ENGL-1010	English Composition I	3
MUSC-1000	Music Convocation	0
MUSC-1010	Music Appreciation	3
MUSC-1110	Keyboarding Skills I	1
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory I Lab	1
	Applied Music Lesson	1
	Instrumental or Vocal Ensemble	1
	Total Semester Credits	**16**

2nd Semester		Credits
ENGL-1020	English Composition II	3
MUSC-1000	Music Convocation	0
MUSC-1111	Keyboarding Skills II	1
MUSC-1475	Music Theory II	3
MUSC-1475L	Music Theory Lab I	1
POLS-1000	American Government	3
PSYC-1810	Introduction to Psychology	3
	Applied Music Lesson	1
	Instrumental or Vocal Ensemble	1
	Total Semester Credits	**16**

3rd Semester		Credits
EDUC-2860	Music Education for Elementary Teachers	3
MUSC-1000	Music Convocation	0
MUSC-1112	Keyboarding Skills III	1
MUSC-2455	Music Theory III	3
MUSC-2455L	Music Theory Lab III	1
PRDV-1010	Achieving College Success	3
SPCH-1110	Public Speaking	3
	Applied Music Lesson	1
	Instrumental or Vocal Ensemble	1
	Total Semester Credits	**16**

4th Semester		Credits
BIOS-1010	General Biology (with lab)	4
MUSC-1000	Music Convocation	0
MUSC-1113	Keyboarding Skills IV	1
MATH-1150	College Algebra (or higher)	3
MUSC-2475	Music Theory IV	3
MUSC-2475L	Music Theory Lab IV	1
	Applied Music Lesson	1
	Instrumental or Vocal Ensemble	1
	Humanities GE elective	3
	Total Semester Credits	**17**

Total AA Credits — 65

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 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

At the conclusion of the program, students will be able to:

- 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

AA General Education Core 31-32 credits

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

Class		Credits
EDUC-1110	Intro to Professional Education	3
EDUC-2000	Educational Psychology	3
EDUC-2300	The Exceptional Learner	3
EDUC-2590	Instructional Technology	3
PSYC-1810	Introduction to Psychology	3
PSYC-2100	Child & Adolescent Development	3
	or	
PSYC-2150	Life Span: Human Growth & Dev.	

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

Class		Credit
ARTS-1550	Drawing I	3
ARTS-1650	Design Fundamentals I	3
ARTS-2400	Painting I	3

Elective Endorsement Courses (selected from below) 6 credits

Class		Credit
ARTS-1200	Clay Animation	3
ARTS-1580	Drawing II	3
ARTS-1680	Beginning Watercolor Painting	3
ARTS-2430	Painting II	3
ARTS-2450	Figure Drawing	3
ARTS-2460	Sculpture	3

EDUC-2890	Art Education for Elementary Teachers	3
PHOT-1900	Black/White Photography I	3
PHOT-1920	Black/White Photography II	3

Total AA Requirements 61-62 credits

Recommended Plan of Study

1st Semester		**Credits**
ARTS-1550	Drawing I	3
EDUC-1110	Intro to Professional Education	3
ENGL-1010	English Composition I	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**15**

2nd Semester		**Credits**
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
PSYC-2100	Child & Adolescent Development	3
	or	
PSYC-2150	Life Span: Human Growth & Dev.	
	Oral Communication GE elective	3
	Math GE elective *(see advisor)*	3-4
	Total Semester Credits	**15-16**

3rd Semester		**Credits**
ARTS-2400	Painting I	3
EDUC-2300	The Exceptional Learner	3
	Art Endorsement elective	3
	Humanities GE elective	3
	Lab Science GE elective	4
	Total Semester Credits	**16**

4th Semester		**Credits**
ARTS-1650	Design Fundamentals I	3
EDUC-2590	Instructional Technology	3
	Art Endorsement elective	3
	Humanities GE elective	3
	Social Science GE elective	3
	Total Semester Credits	**15**
	Total AA Credits	**61-62**

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 (selected from below)

Class		**Credit**
BIOS-1010	General Biology (with lab)	4
BIOS-1380	Zoology (with lab)	4
CHEM-1050	Introduction to Chemistry (with lab)	4
	or	
CHEM-1090	General Chemistry I (with lab)	4
	and	
CHEM-1100	General Chemistry II (with lab)	4

Elective Endorsement Courses 8 credits (selected from below)

Class		**Credit**
BIOS-2120	Genetics (with lab)	4
BIOS-2250	Anatomy & Physiology I (with lab)	4
	and	
BIOS-2260	Anatomy & Physiology II (with lab)	4
BIOS-2460	Microbiology (with lab)	4
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

Total AA Requirements 62-63 credits

Recommended Plan of Study

1st Semester		**Credits**
BIOS-1010	General Biology (with lab)	4
EDUC-1110	Intro to Professional Education	3
ENGL-1010	English Composition I	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**16**

2nd Semester		**Credits**
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
MATH-1150	College Algebra	3-4
	or other Math course *(see advisor)*	
PSYC-2100	Child & Adolescent Development	3
	or	
PSYC-2150	Life Span: Human Growth & Dev.	
	Oral Communication GE elective	3
	Total Semester Credits	**15-16**

3rd Semester		Credits
CHEM-1050	Introduction to Chemistry (with lab)	4
	or	
CHEM-1090	General Chemistry I	
EDUC-2300	The Exceptional Learner	3
	Biology Endorsement elective	4
	Humanities GE elective	3
	Total Semester Credits	**14**

4th Semester		Credits
BIOS-1380	Zoology (with lab)	4
CHEM-1100	General Chemistry II (with lab) or Biology Endorsement elective	4
EDUC-2590	Instructional Technology	3
	Humanities GE elective	3
	Social Science GE elective	3
	Total Semester 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 (selected from below) 12-15 credits

Class		Credit
ACCT-1200	Principles of Accounting I	3
ACCT-1210	Principles of Accounting II	3
BSAD-2520	Principles of Marketing	3
BSAD-2540	Principles of Management	3
ECON-2110	Principles of Macroeconomics *(spring only)*	3
ECON-2120	Principles of Microeconomics *(fall only)*	3
INFO-1100	Microcomputer Applications	3
INFO-2000	Advanced Microcomputer Apps *(spring only)*	3

Total AA Requirements 61-62 credits

Recommended Plan of Study

1st Semester		Credits
ACCT-1200	Principles of Accounting I	3
EDUC-1110	Intro to Professional Education	3
ENGL-1010	English Composition I	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**15**

2nd Semester		Credits
ACCT-1210	Principles of Accounting II	3
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
PSYC-2100	Child & Adolescent Development	3
	or	
PSYC-2150	Life Span: Human Growth & Dev.	
	Oral Communication GE elective	3
	Total Semester Credits	**15**

3rd Semester		Credits
EDUC-2300	The Exceptional Learner	3
MATH-1150	College Algebra or other Math course *(see advisor)*	3-4
	Business Endorsement elective	3
	Humanities GE elective	3
	Lab Science GE elective	4
	Total Semester Credits	**16-17**

4th Semester		Credits
EDUC-2590	Instructional Technology	3
	Business Endorsement electives (2)	6
	Humanities GE elective	3
	Social Science GE elective *(ECON-2110 or ECON-2120 recommended)*	3
	Total Semester 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	Intro to Professional Education	3
ENGL-1010	English Composition I	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester 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 or other Math course *(see advisor)*	3-4
	Oral Communication GE elective	3
	Total Semester 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
	Humanities GE elective	3
	Social Science GE elective	3
	Total Semester Credits	**17**

4th Semester		**Credits**
CHEM-2520	Organic Chemistry II (with lab)	4
EDUC-2590	Instructional Technology	3
PSYC-2100	Child & Adolescent Development or	3
PSYC-2150	Life Span: Human Growth & Dev.	
	Humanities GE elective	3
	Total Semester 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-2110	Children's Literature or	3
ENGL-2900A	Nebraska Literature	
ENGL-2130	Survey of English Literature	3
ENGL-2170	American Literature, 1865-present	3
ENGL-2190	The Novel	3

Total AA Requirements 60-62 credits

Recommended Plan of Study

1st Semester		**Credits**
EDUC-1110	Intro 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 Semester Credits	**16**

2nd Semester		**Credits**
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
ENGL-2110	Children's Literature or	3
ENGL-2900A	Nebraska Literature	
PSYC-2100	Child & Adolescent Development or	3
PSYC-2150	Life Span: Human Growth & Dev.	
	Oral Communication GE elective	3
	Total Semester Credits	**15**

3rd Semester		**Credits**
EDUC-2300	The Exceptional Learner	3
ENGL-2170	American Literature, 1865-Present	3
ENGL-2190	The Novel	3
	Elective	3
	Math GE elective *(see advisor)*	3-4
	Total Semester Credits	**15-16**

4th Semester		**Credits**
EDUC-2590	Instructional Technology	3
ENGL-2130	Survey of English Literature I	3
	Elective	2-3
	Humanities GE elective	3
	Social Science GE elective	3
	Total Semester Credits	**14-15**
	Total AA Credits	**60-62**

Math Endorsement Area

Associate of Arts (61-63 credits)
AA.1312I

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

Class		Credit
MATH-1600	Analytic Geometry & Calculus	5
MATH-2150	Calculus II	5
MATH-2200	Calculus III	5
MATH-2210	Applied Differential Equations	3

Total AA Requirements 61-63 credits

Recommended Plan of Study

1st Semester		Credits
EDUC-1110	Intro to Professional Education	3
ENGL-1010	English Composition I	3
MATH-1600	Analytic Geometry & Calculus or other Math course *(see advisor)*	4-5
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**16-17**

2nd Semester		Credits
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
MATH-2150	Calculus II or other Math course *(see advisor)*	4-5
PSYC-2100 or PSYC-2150	Child & Adolescent Development or Life Span: Human Growth & Dev.	3
	Oral Communication GE elective	3
	Total Semester Credits	**16-17**

3rd Semester		Credits
EDUC-2300	The Exceptional Learner	3
MATH-2200	Calculus III or other Math course *(see advisor)*	4-5
	Humanities GE elective	3
	Lab Science GE elective	4
	Total Semester Credits	**14-15**

4th Semester		Credits
EDUC-2590	Instructional Technology	3
MATH-2210	Applied Differential Equations or other Math course *(see advisor)*	3-5
	Elective	3
	Humanities GE elective	3
	Social Science elective	3
	Total Semester Credits	**15-17**

Total AA Credits 61-63

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

Class		Credit
HIST-2010	American History I	3
HIST-2020	American History II	3
HIST-2100	World Civilization (4000BC-1500AD)	3
HIST-2110	World Civilization (1500AD-Present)	3
POLS-1000	American Government	3

Total AA Requirements 61-62 credits

Recommended Plan of Study

1st Semester		Credits
EDUC-1110	Intro to Professional Education	3
ENGL-1010	English Composition I	3
HIST-2010	American History I	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**15**

2nd Semester		Credits
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
HIST-2020	American History II	3
MATH-1150	College Algebra or other Math course *(see advisor)*	3-4
	Oral Communication GE elective	3
	Total Semester Credits	**15-16**

3rd Semester		Credits
EDUC-2300	The Exceptional Learner	3
HIST-2100	World Civilization (4000BC-1500AD)	3
POLS-1000	American Government	3
	Humanities GE elective	3
	Lab Science GE elective	4
	Total Semester Credits	**16**

4th Semester		Credits
EDUC-2590	Instructional Technology	3
HIST-2110	World Civilization (1500AD-Present)	3
PSYC-2100	Child & Adolescent Development or	3
PSYC-2150	Life Span: Human Growth & Dev.	
	Electives (2)	6
	Total Semester Credits	**15**
	Total AA Credits	**61-62**

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

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

Elective Endorsement Courses 9 credits

Class		Credit
ANTH-2130	Mexican-American & Native American Cultures	3
	Electives (2)	6

Total AA Requirements 62-63 credits

Recommended Plan of Study

1st Semester		Credits
EDUC-1110	Intro to Professional Education	3
ENGL-1010	English Composition I	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
SPAN-1010	Elementary Spanish I	5
	Total Semester Credits	**17**

2nd Semester		Credits
EDUC-2000	Educational Psychology	3
ENGL-1020	English Composition II	3
MATH-1150	College Algebra or other Math course *(see advisor)*	3-4
PSYC-2100	Child & Adolescent Development or	3
PSYC-2150	Life Span: Human Growth & Dev.	
SPAN-1020	Elementary Spanish II	5
	Total Semester Credits	**17-18**

3rd Semester		Credits
EDUC-2300	The Exceptional Learner	3
	Spanish endorsement elective	3
	Humanities GE elective	3
	Lab Science GE elective	4
	Oral Communication GE elective	3
	Total Semester Credits	**16**

4th Semester		Credits
ANTH-2130	Mexican-American & Native American Cultures	3
EDUC-2590	Instructional Technology	3
	Humanities GE elective	3
	Social Science GE elective	3
	Total Semester Credits	**13**
	Total AA Credits	**62-63**

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 emergent 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 to provide 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

At the conclusion of the program, students will be able to:

- 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.
- Students must complete the FISDAP Paramedic Entrance Exam with a grade of 70% of higher.
- Should two (2) or more students seek the last available seat and have equal scores on the FISDAP Paramedic Entrance Exam, admission to the program will be based on the date and time of registration for the program.

- All students 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 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 EMT/AEMT/Intermediate EMT 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

AAS General Education Core 16-17 credits

Class		Credits
Written Communication*		3
Oral Communication		3
Quantitative Reasoning*		3-4
Social or Lab Science (lab science required) *(BIOS-1160 or LPNR-1110 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.*

EMT Prerequisite 8 credits

Class		Credits
EMSP-1500	Emergency Medical Technician	8

Paramedic Core Courses 42 credits

Class		Credits
EMSP-2000	Introduction to Paramedicine	3
EMSP-2050	Pathophysiology, Pharmacology, Airway Management	4
EMSP-2100	Patient Assessments	3
EMSP-2150	Pulmonology & Cardiology	4
EMSP-2200	Medical Emergencies	4
EMSP-2250	Trauma Emergencies	3
EMSP-2300	Trauma & Special Considerations	3
EMSP-2350	EMS Operations	3
EMSP-2400	Paramedic Practicum I	5
EMSP-2500	Paramedic Practicum II	5
EMSP-2600	Paramedic Practicum III	5

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
BIOS-1160	Intro to Human Anatomy & Physiology	4
	or	
LPNR-1110	Body Structure & Function	
EMSP-1500	Emergency Medical Technician	8
	Total Semester Credits	**12**

2nd Semester (spring)		Credits
PRDV-1010	Achieving College Success	3
	Mathematics GE elective	3-4
	Oral Communication GE elective	3
	Written Communication GE elective	3
	Total Semester Credits	**12-13**

3rd Semester (fall)		Credits
EMSP-2000	Introduction to Paramedicine	3
EMSP-2050	Pathophysiology, Pharmacology, Airway Management	4
EMSP-2100	Patient Assessments	3
EMSP-2400	Paramedic Practicum I	5
	Total Semester Credits	**15**

4th 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 Semester Credits	**16**

5th Semester (summer)		Credits
EMSP-2300	Trauma & Special Considerations	3
EMSP-2350	EMS Operations	3
EMSP-2600	Paramedic Practicum III	5
	Total Semester Credits	**11**
	Total AAS Credits	**66-67**

Option 2: If currently registered/licensed as an EMT/AEMT/Intermediate

1st Semester (spring)		Credits
BIOS-1160	Intro to Human Anatomy & Physiology	4
	or	
LPNR-1110	Body Structure & Function	
PRDV-1010	Achieving College Success	3
	Math GE elective	3-4
	Oral Communication GE elective	3
	Written Communication GE elective	3
	Total Semester Credits	**16-17**
2nd Semester (fall)		**Credits**
EMSP-2000	Introduction to Paramedicine	3
EMSP-2050	Pathophysiology, Pharmacology, Airway Management	4
EMSP-2100	Patient Assessments	3
EMSP-2400	Paramedic Practicum I	5
	Total Semester 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 Semester Credits	**16**
4th Semester (summer)		**Credits**
EMSP-2300	Trauma & Special Considerations	3
EMSP-2350	EMS Operations	3
EMSP-2600	Paramedic Practicum III	5
	Total Semester Credits	**11**
	Total Earned Credits	**58-59**
	Credit for Prior Learning (EMSP-1500)	8
	or	
	Elective	2-3
	Total AAS Credits	**60-67**

Certificate (Paramedic)

C2.5109B (42 credits)

The Paramedic certificate is a combination of classroom, laboratory, and hands on 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 **coaemsp.org**.

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 Semester 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 Semester Credits	**16**
3rd Semester (summer)		**Credits**
EMSP-2300	Trauma & Special Considerations	3
EMSP-2350	EMS Operations	3
EMSP-2600	Paramedic Practicum III	5
	Total Semester Credits	**11**
	Total Certificate Credits	**42**

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

At the conclusion of the program, students will be able to:

- 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	Credits
Written Communication	6
Oral Communication	3
Humanities *HUMS-1100 (Intro to Humanities) recommended*	3
Math* *MATH-1150 (College Algebra) or higher recommended*	3-4
Lab Sciences* *BIOS-2250 (Human Anatomy & Physiology I) and BIOS-2260 (Human Anatomy & Physiology II), and labs, recommended*	4
Personal Development	3
Social Science *PSYC-1810 (General Psychology) recommended*	3

** A total of 15-16 combined math/science 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		Credit
BIOS-1000	Basic Nutrition	3
BIOS-1010	General Biology (with lab)	4
EDUC-1110	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	3
	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-1110	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 Semester 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 Semester 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 elective	3
	General elective	2-3
	Total Semester Credits	**15-16**

4th Semester		Credits
BIOS-2260	Human Anatomy and Physiology II (with lab)	4
EDUC-2590	Instructional Technology	3
HUMS-1100	introduction to the Humanities	3
PSYC-2100	Child & Adolescent Development or	3
PSYC-2150	Life Span: Human Growth & Dev.	
	PE Activity elective	1
	Total Semester Credits	**14**
	Total AS Credits	**60**

Health & Fitness Studies Option

AS.1313F (61 credits)

Program Requirements

AS General Education Core 33-34 credits

Class	Credits
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	
Humanities	3
HUMS-1100 (Intro to Humanities) recommended	
Social Science	3
PSYC-1810 (General Psychology) recommended	
Personal Development	3

** A total of 15-16 combined math/science 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		Credit
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 or	3
PSYC-2150	Life Span: Human Growth & Dev.	

Total AS Requirements 61 credits

Recommended Plan of Study

1st Semester		Credits
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 Semester Credits	**15**

2nd Semester		Credits
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 Semester Credits	**17**

3rd Semester		**Credits**
BIOS-2250	Human Anatomy and Physiology I (with lab)	4
PHED-1700	First Aid	2
PHED-1800	Designing a Personal Fitness Program	3
PSYC-1810	General Psychology	3
	Oral Communication GE requirement	3
	Total Semester Credits	**15**

4th Semester		**Credits**
BIOS-2260	Human Anatomy and Physiology II (with lab)	4
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 Semester 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 at 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.

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**
Class	**Credits**
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Sciences *(from two different alphas)*	6

Note: *Some general education requirements may be satisfied by other core courses. 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

Program Requirements

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

Class		Credit
ARTS-1010	Introduction to Visual Arts	3
ARTS-1650	Design Fundamentals	3
MUSC-1010	Music Appreciation	3
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory I Lab	1
THEA-1860	Technical Production I	3
THEA-2660	Acting I	3
	Band or Choir Ensemble (2 semesters)	2

Elective Courses from Art, Music, or Theatre 8 credits

Total AFA Requirements 60-61 credits

Recommended Plan of Study

1st Semester		Credits
ARTS-1010	Introduction to Visual Arts	3
ENGL-1010	English Composition I	3
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory Lab I	1
PRDV-1010	Achieving College Success	3
THEA-1010	Introduction to Theatre	3
	Total Semester Credits	**16**

2nd Semester		Credits
ARTS-1050	Intro to Art History & Criticism I	3
ENGL-1020	English Composition II	3
MATH-1170	Math Applications	3
	Fine Arts electives	5
	Total Semester Credits	**14**

3rd Semester		Credits
ARTS-1650	Design Fundamentals I	3
MUSC-1010	Music Appreciation	3
PSYC-1810	Introduction to Psychology	3
THEA-1860	Technical Production I	3
THEA-2660	Acting I	3
	Band or Choir Ensemble	1
	Total Semester Credits	**16**

4th Semester		Credits
BIOS-1010	General Biology (with lab)	4
SOCI-2150	Issues of Unity & Diversity	3
SPCH-1110	Public Speaking	3
	Band or Choir Ensemble	1
	Fine Arts elective	3
	Total Semester Credits	**14**
	Total AFA Credits	**60**

Music AFA Option

Associate of Fine Arts (60 credits)
AFA.5009A

Program Outcomes

At the conclusion of the program, students will be able to:

- Understand traditional music notation.
- Interpret the compositional process, the aesthetic properties of style, and the ways these are shaped by artistic and cultural forces within the common-practice-period style.
- Take aural dictation.
- Exhibit keyboard competency.
- Demonstrate effective work processes, professionalism, and a coherent set of ideas and goals that are embodied in their work.
- Perform requisite technical skills for artistic self-expression in at least one major performance area at a level appropriate for the specific music concentration.

Program Requirements

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 29 credits

Class		Credit
MUSC-1000	Convocation	0
MUSC-1110	Keyboarding Skills I*	1
MUSC-1111	Keyboarding Skills II*	1
MUSC-1112	Keyboarding Skills III*	1
MUSC-1113	Keyboarding Skills IV*	1
MUSC-1115	Piano Proficiency	0
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory I Lab I	1

MUSC-1475	Music Theory II	3
MUSC-1475L	Music Theory Lab II	1
MUSC-2455	Music Theory III	3
MUSC-2455L	Music Theory Lab III	1
MUSC-2475	Music Theory IV	3
MUSC-2475L	Music Theory Lab IV	1
	Applied Music (taken all four semesters)	4
	Band or Choir Ensemble** (taken all four semesters)	4
	Music elective	1

**Alternate instrument may be substituted upon successful completion of Piano Proficiency.*

***Ensemble placement is based on instrument studies in Applied Music.*

Total AFA Requirements 60-61 credits

Recommended Plan of Study

1st Semester		**Credits**
MUSC-1000	Convocation	0
MUSC-1010	Music Appreciation	3
MUSC-1110	Keyboard Skills I	1
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory Lab I	1
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Applied Music I	1
	Band or Choir Ensemble	1
	Total Semester Credits	**16**

2nd Semester		**Credits**
BIOS-1010	General Biology (with lab)	4
MATH-1170	Math Applications	3
MUSC-1000	Convocation	0
MUSC-1111	Keyboard Skills II	1
MUSC-1475	Music Theory I	3
MUSC-1475L	Music Theory Lab I	1
	Applied Music II	1
	Band or Choir Ensemble	1
	Total Semester Credits	**14**

3rd Semester		**Credits**
ENGL-1010	English Composition I	3
HIST-2110	World Civilization (4000BC-1500AC)	3
MUSC-1000	Convocation	0
MUSC-1112	Keyboard Skills III	1
MUSC-2455	Music Theory I	3
MUSC-2455L	Music Theory Lab I	1
	Applied Music III	1
	Band or Choir Ensemble	1
	Music elective	1
	Total Semester Credits	**14**

4th Semester		**Credits**
ENGL-1020	English Composition II	3
MUSC-1000	Convocation	0
MUSC-1113	Keyboard Skills IV	1
MUSC-1115	Piano Proficiency	0
MUSC-2475	Music Theory I	3
MUSC-2475L	Music Theory Lab I	1
SOCI-2150	Issues of Unity & Diversity	3
SPCH-1110	Public Speaking	3
	Applied Music IV	1
	Band or Choir Ensemble	1
	Total Semester Credits	**16**
	Total AFA Credits	**60**

Music Performance AFA Option

Associate of Fine Arts (63 credits)
AFA.5009B

Program Outcomes

At the conclusion of the program, students will be able to:

- Understand traditional music notation.
- Interpret the compositional process, the aesthetic properties of style, and the ways these are shaped by artistic and cultural forces within the common-practice-period style.
- Take aural dictation.
- Exhibit keyboard competency.
- Demonstrate effective work processes, professionalism, and a coherent set of ideas and goals that are embodied in their work.
- Perform requisite technical skills for artistic self-expression in at least one major performance area at a level appropriate for the specific music concentration.

Program Requirements

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 32 credits

Class		**Credit**
MUSC-1000	Convocation	0

MUSC-1110	Keyboarding Skills I*	1
MUSC-1111	Keyboarding Skills II*	1
MUSC-1112	Keyboarding Skills III*	1
MUSC-1113	Keyboarding Skills IV*	1
MUSC-1115	Piano Proficiency	0
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory I Lab I	1
MUSC-1475	Music Theory II	3
MUSC-1475L	Music Theory Lab II	1
MUSC-2455	Music Theory III	3
MUSC-2455L	Music Theory Lab III	1
MUSC-2475	Music Theory IV	3
MUSC-2475L	Music Theory Lab IV	1
	Applied Music Performance (taken all four semesters)	8
	Band or Choir Ensemble** (taken all four semesters)	4

**Alternate instrument may be substituted upon successful completion of Piano Proficiency.*

***Ensemble placement is based on instrument studies in Applied Music.*

Total AFA Requirements 63-64 credits

Recommended Plan of Study

1st Semester		**Credits**
MUSC-1000	Convocation	0
MUSC-1010	Music Appreciation	3
MUSC-1110	Keyboard Skills I	1
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory Lab I	1
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Applied Music Performance I	2
	Band or Choir Ensemble	1
	Total Semester Credits	**17**

2nd Semester		**Credits**
BIOS-1010	General Biology (with lab)	4
MATH-1170	Math Applications	3
MUSC-1000	Convocation	0
MUSC-1111	Keyboard Skills II	1
MUSC-1475	Music Theory I	3
MUSC-1475L	Music Theory Lab I	1
	Applied Music Performance II	2
	Band or Choir Ensemble	1
	Total Semester Credits	**15**

3rd Semester		**Credits**
ENGL-1010	English Composition I	3
HIST-2110	World Civilization (4000BC-1500AC)	3
MUSC-1000	Convocation	0
MUSC-1113	Keyboard Skills III	1
MUSC-2455	Music Theory I	3
MUSC-2455L	Music Theory Lab I	1
	Applied Music Performance III	2
	Band or Choir Ensemble	1
	Music elective	1
	Total Semester Credits	**15**

4th Semester		**Credits**
ENGL-1020	English Composition II	3
MUSC-1000	Convocation	0
MUSC-1114	Keyboard Skills IV	1
MUSC-1115	Piano Proficiency	0
MUSC-2475	Music Theory I	3
MUSC-2475L	Music Theory Lab I	1
SOCI-2150	Issues of Unity & Diversity	3
SPCH-1110	Public Speaking	3
	Applied Music Performance IV	2
	Band or Choir Ensemble	1
	Total Semester Credits	**17**
	Total AFA Credits	**63**

Musical Theatre Performance AFA Option

Associate of Fine Arts (61 credits)
AFA.5009C

Program Requirements

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 30 credits

Class		**Credit**
MUSC-1000	Convocation	0
MUSC-1140	Applied Music: Voice I	1
MUSC-1150	Applied Music: Voice II	1
MUSC-1240	Varsity Vocalise (taken all four semesters)	4
MUSC-1410	Music Fundamentals	3
MUSC-2140	Applied Music: Voice III	1
MUSC-2150	Applied Music: Voice IV	1
THEA-1300	Voice and Articulation	3

THEA-1400	Ballet I	1
THEA-1410	Jazz I	1
THEA-1420	Tap I	1
THEA-1430	Tap II	1
THEA-1860	Technical Production I	3
THEA-2010	Survey of Theatrical Design	3
THEA-2660	Acting I	3
THEA-2750	Acting II	3

Total AFA Requirements 61-62 credits

Recommended Plan of Study

1st Semester		**Credits**
MUSC-1000	Convocation	0
MUSC-1140	Applied Music: Voice I	1
MUSC-1240	Varsity Vocalise	1
PRDV-1010	Achieving College Success	3
THEA-1010	Introduction to Theatre	3
THEA-1400	Ballet I	1
THEA-1860	Technical Production I	3
THEA-2010	Survey of Theatrical Design	3
	Total Semester Credits	**15**

2nd Semester		**Credits**
MATH-1170	Math Applications	3
MUSC-1000	Convocation	0
MUSC-1150	Applied Music: Voice II	1
MUSC-1240	Varsity Vocalise	1
MUSC-1410	Music Fundamentals	3
SPCH-1110	Public Speaking	3
THEA-1300	Voice and Articulation	3
THEA-1410	Jazz I	1
	Total Semester Credits	**15**

3rd Semester		**Credits**
ENGL-1010	English Composition I	3
HIST-2110	World Civilization (4000BC-1500AC)	3
MUSC-1000	Convocation	0
MUSC-1240	Varsity Vocalise	1
MUSC-2140	Applied Music: Voice III	1
PSYC-1810	Introduction to Psychology	3
THEA-1420	Tap I	1
THEA-2660	Acting I	3
	Total Semester Credits	**15**

4th Semester		**Credits**
BIOS-1010	General Biology (with lab)	4
ENGL-1020	English Composition II	3
MUSC-1000	Convocation	0
MUSC-1240	Varsity Vocalise	1
MUSC-2150	Applied Music: Voice IV	1
SOCI-2150	Issues of Unity & Diversity	3
THEA-1430	Tap II	1
THEA-2750	Acting II	3
	Total Semester Credits	**16**
	Total AFA Credits	**61**

Theatre AFA Option

Associate of Fine Arts (62 credits)
AFA.1399

Program Outcomes

At the conclusion of the program, students will be able to:

- Focus on the process of storytelling through textual analysis and peer critique as a means of recognizing and applying methods for performance choice and individual artistic development.
- 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.

Program Requirements

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 31 credits

Class		**Credit**
THEA-1200	Movement	3
THEA-1300	Voice and Articulation	3
THEA-1760	All-College Play	4
THEA-1830	Stage Makeup	3
THEA-1860	Technical Production I	3
THEA-2010	Survey of Theatrical Design	3
THEA-2200	Scripts in Production	3
THEA-2600	Technical Production II	3
THEA-2660	Acting I	3
THEA-2750	Acting II	3

Total AFA Requirements 62-63 credits

Recommended Plan of Study

1st Semester		**Credits**
MATH-1170	Math Applications	3

PRDV-1010	Achieving College Success	3
THEA-1010	Introduction to Theatre	3
THEA-1300	Voice and Articulation	3
THEA-1760	All-College Play	1
THEA-1830	Stage Makeup	3
	Total Semester Credits	**16**

2nd Semester		**Credits**
PSYC-1810	Introduction to Psychology	3
SPCH-1110	Public Speaking	3
THEA-1760	All-College Play	1
THEA-1860	Technical Production I	3
THEA-2200	Scripts in Production	3
THEA-2660	Acting I	3
	Total Semester Credits	**16**

3rd Semester		**Credits**
BIOS-1010	General Biology (with lab)	4
ENGL-1010	English Composition I	3
PHIL-1060	Intro to Ethics & Current Issues in Philosophy	3
THEA-1200	Movement	3
THEA-1760	All-College Play	1
THEA-2010	Survey of Theatrical Design	3
	Total Semester Credits	**17**

4th Semester		**Credits**
ENGL-1020	English Composition II	3
SOCI-2150	Issues of Unity & Diversity	3
THEA-1760	All-College Play	1
THEA-2600	Technical Production II	3
THEA-2750	Acting II	3
	Total Semester Credits	**13**
	Total AFA Credits	**62**

Visual Arts AFA Option

Associate of Fine Arts (61 credits)
AFA.5007

Program Requirements

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.

Required Core Courses 21 credits

Class		**Credit**
ARTS-1060	Intro to Art History & Criticism II	3
ARTS-1010	Introduction to Visual Arts	3
ARTS-1550	Drawing I	3
ARTS-1580	Drawing 2	3
ARTS-1650	Design Fundamentals	3
ARTS-2400	Painting I	3
ARTS-2600	Portfolio	3

Elective Art Courses 9 credits

Class		**Credit**
ARTS-1200	Clay Animation	3
ARTS-1680	Beginning Watercolor Painting	3
ARTS-2450	Figure Drawing	3
ARTS-2460	Sculpture I	3
PHOT-1900	Black/White Photography I	3
PHOT-1920	Black/White Photography II	3

Total AFA Requirements 61-62 credits

Recommended Plan of Study

1st Semester		**Credits**
ARTS-1010	Introduction to Visual Arts	3
ARTS-1550	Drawing I	3
MATH-1170	Math Applications	3
PRDV-1010	Achieving College Success	3
	Art elective	3
	Total Semester Credits	**15**

2nd Semester		**Credits**
ARTS-1050	Intro to Art History & Criticism I	3
ARTS-1580	Drawing II	3
ARTS-2400	Painting I	3
ENGL-1020	English Composition II	3
SPCH-1110	Public Speaking	3
	Total Semester Credits	**15**

3rd Semester		**Credits**
ARTS-1650	Design Fundamentals I	3
ENGL-1020	English Composition II	3
HUMS-1100	Introduction to the Humanities	3
SOCI-2150	Issues of Unity & Diversity	3
	Art elective	3
	Total Semester Credits	**15**

4th Semester		**Credits**
ARTS-1060	Intro to Art History & Criticism II	3
ARTS-2600	Portfolio	3
BIOS-1010	General Biology (with lab)	4
PSYC-1810	Introduction to Psychology	3
	Art elective	3
	Total Semester Credits	**16**
	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 recommended plan of study suggested below is designed 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

At the conclusion of the program, students will be able to:

- 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

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

Foreign Language Core 25 credits

Class		Credits
ANTH-2130	Mexican-American & Native-American Cultures	3
ARTS-1050	Introduction to Art History and Criticism I	3
SOCI-2150	Issues of Unity & Diversity	3
SPAN-1010	Elementary Spanish I	5
SPAN-1020	Elementary Spanish II	5
SPAN-2010	Intermediate Spanish I	3
SPAN-2020	Intermediate Spanish II	3

Electives 3 credits

Total AA Requirements 60 credits

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
MATH-1150	College Algebra (or higher)	3
PRDV-1010	Achieving College Success	3
SPAN-1010	Elementary Spanish I	5
	Total Semester Credits	**15**

2nd Semester		Credits
ENGL-1020	English Composition II	3
SPAN-1020	Elementary Spanish II	5
	Humanities GE elective	3
	Social Science GE elective	3
	Total Semester Credits	**14**

3rd Semester		Credits
ANTH-2130	Mexican-American/Native-American Cultures	3
SPAN-2010	Intermediate Spanish I	3
	Humanities GE elective	3
	Lab Science GE elective	4
	Oral Communication GE elective	3
	Total Semester Credits	**16**

4th Semester		Credits
ARTS-1050	Introduction to Art History and Criticism I	3
SPAN-2020	Intermediate Spanish II	3
SOCI-2150	Issues of Unity and Diversity	3
	Social Science GE elective	3
	Elective	3
	Total Semester Credits	**15**
	Total AA Credits	**60**

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

At the conclusion of the program, students will be able to:

- 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.
- Students who desire a particular academic focus should talk with their advisor to select elective courses relevant to the student's interests and/or intended future profession.

Program Requirements

AA General Education Core 31-32 credits

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

General Studies Core		14 credits
Class		**Credits**
PHIL-1060	Intro to Ethics & Current Issues in Philosophy	3
	or	
PHIL-1100	Critical Thinking in the Information Age	
	or	
SOCI-2150	Issues of Unity and Diversity	
SPAN-1010	Elementary Spanish I	5
	Two additional humanities courses	6
Electives		**15 credits**
Total AA Requirements		**60-61 credits**

Recommended Plan of Study

1st Semester		**Credits**
ENGL-1010	English Composition I	3
MATH-1150	College Algebra	3
PRVD-1010	Achieving College Success	3
	Humanities GE elective	3
	Elective	3
	Total Semester Credits	**15**
2nd Semester		**Credits**
ENGL-1020	English Composition II	3
SPCH-1110	Public Speaking	3
	Humanities GE elective	3
	Social Science GE elective	3
	Elective	3
	Total Semester Credits	**15**
3rd Semester		**Credits**
PHIL-1060	Intro to Ethics & Current Issues in Philosophy	3
	or	
PHIL-1100	Critical Thinking in the Information Age	
	or	
SOCI-2150	Issues of Unity and Diversity	
SPAN-1010	Elementary Spanish I	5
	Humanities Core elective	3
	Elective	3
	Total Semester Credits	**14**
4th Semester		**Credits**
BIOS-1010	General Biology (with lab)	4
	Humanities Core elective	3
	Social Science GE elective	3
	Electives	6
	Total Semester Credits	**16**
	Total AA Credits	**60**

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:

Class		**Credit**
ENGR-1010	Introduction to Engineering Design	3
ENGR-1020	Programming & Problem Solving	3
ENGR-1070	Graphics for Engineers	3
ENGR-2020	Statics	3
ENGR-2110	Introduction to Circuits & Electronics	3

- 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-2355 (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.
- Dependent upon 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

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 program requirements. Please consult with an advisor for details.*

Core Requirements 15-16 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-1100	Environmental Science (with lab)	4
BIOS-1160	Intro to Human Anatomy & Physiology	4
BIOS-1300	Botany (with lab)	4
BIOS-1380	General Zoology (with lab)	4
BIOS-2120	Genetics (with lab)	4
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
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
GEOL-1010	Physical Geology (with lab)	4
MATH-1150	College Algebra	3
MATH-1210	Trigonometry	3
MATH-1600	Analytic Geometry & Calculus I	5
MATH-2150	Calculus II	5
MATH-2170	Applied Statistics	3
MATH-2200	Calculus III	5
MATH-2210	Differential Equations	3
PHYS-1070	Astronomy (with lab)	4
PHYS-1200	Earth and Space Science (with lab)	4
PHYS-1100	Physical Science (with lab)	4
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
PHYS-2110	General Physics I w/ Calculus (with lab and recitation)	5
PHYS-2120	General Physics II w/ Calculus (with lab and recitation)	5

Recommended Tech Electives or Courses Required for Transfer 26 credits

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 these courses.

Class		Credits
BIOS-1000	Basic Nutrition	3
BIOS-2050	Nutrition and Diet Therapy	3
ENGR-1010	Intro to Engineering Design	3
ENGR-1020	Programming & Problem Solving	3
ENGR-1070	Graphics for Engineers	3
ENGR-2020	Statics	3
ENGR-2110	Introduction to Circuits & Electronics	3
INFO-2330	Data Structures	3
INFO-2350	Introduction to Computer Science	3
INFO-2355	Computer Science I	3
PHYS-1225	Science of Sports	4

Total AS Requirements 61 credits

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
PRVD-1010	Achieving College Success	3
	Math GE/Core elective	4
	Math or Science Core elective	4
	Technical elective	3
	Total Semester Credits	**17**

2nd Semester		Credits
ENGL-1020	English Composition II	3
	Lab Science GE/Core elective	4
	Technical electives	8
	Total Semester Credits	**15**

3rd Semester	Credits
Humanities GE elective	3
Oral Communication GE elective	3
Math or Science Core elective	4
Technical elective	4
Total Semester Credits	**14**

4th Semester	Credits
Social Science GE elective	3
Technical electives	12
Total Semester Credits	**15**
Total AS Credits	**61**

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

At the conclusion of the program, students will be able to:

- 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

Class	Credits
Written Communication	6

Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Sciences *(from two different alphas)*	6

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

Required Social Science Core (selected from below) 18 credits

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.

Class		Credit
Anthropology		
ANTH-2130	Mexican-American and Native/American Cultures	3
Economics		
ECON-1230	General Economics	3
ECON-2120	Principles of Microeconomics	3
ECON-2110	Principles of Macroeconomics	3
History		
HIST-2010	American History I	3
HIST-2020	American History II	3
HIST-2050	Special Topics in History	3
HIST-2060	History of Nebraska	3
HIST-2100	World Civilizations (4000 B.C. – 1500 A.D.)	3
HIST-2110	World Civilizations (1500 A.D. – Present)	3
HIST-2580	History of the American West	3
Political Science		
POLS-1000	American Government	3
POLS-1600	International Relations	3
Sociology		
SOCI-1010	Introduction to Sociology	3
SOCI-2050	Special Topics in Sociology	3
SOCI-2250	Marriage and Family	3
SOCI-2150	Issues of Unity and Diversity	3

Recommended Elective Courses (selected from below) 11 credits

Class		Credit
	Any ANTH course	3
	Any ECON course	3
	Any GEOG course	3
	Any HIST course	3
	Any PHIL course	3
	Any POLS course	3
	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

1st Semester		Credits
ENGL-1010	English Composition I	3
MATH-2170	Applied Statistics	3
PRDV-1010	Achieving College Success	3
	Course from core areas of study	3
	Elective	3
	Total Semester Credits	**15**

2nd Semester		Credits
	Courses from core areas of study	6
	Humanities GE elective	3
	Oral Communication GE elective	3
	Social Sciences GE elective	3
	Total Semester Credits	**15**

3rd Semester		Credits
ENGL-1020	English Composition II	3
	Courses from core areas of study	6
	Lab Science GE elective	4
	Elective	3
	Total Semester Credits	**16**

4th Semester	Credits
Course from core area of study	3
Humanities GE elective	3
Social Science GE elective	3
Electives (2)	6
Total Semester Credits	**15**

Total AA Credits 61

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

At the conclusion of the program, students will be able to:

- 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 Clarkson College, allowing a student who has earned an AAS to transfer credits toward a Bachelor of Science in Health Information Administration.

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

Class	Credits
Written Communication*	3
Oral Communication	3

Quantitative Reasoning*		3-4
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**
BIOS-1160	Intro to Human Anatomy & Physiology	4
	or	
LPNR-1110	Body Structure and Function	
ENGL-1010	English Composition I	3
HLTH-1060	Medical Terminology *	3
MATH-1010	Intermediate Algebra **	4
PRDV-1010	Achieving College Success	3
SPCH-1110	Public Speaking	3
	or	
SPCH-1200	Speech Communications	
	Total Semester Credits	**20**

1st Semester (fall)

HIMS-1250	Introduction to HIMS	3
HIMS-1410	Disease Process	4
HIMS-2150	Coding-CPT	4
HIMS-2200	information Systems in Health Care	2
INFO-1094	Intro to Database (Access)	1
	Total Semester Credits	**14**

2nd Semester (spring)

HIMS-1350	Healthcare Delivery Systems	2
HIMS-1500	Legal & Ethical Aspects of HIMS	3
HIMS-2100	Coding ICD	4
HIMS-2180	Reimbursement Methodologies	4
HIMS-2250	Healthcare Statistics	2
HIMS-2330	HIMS Applications I	2
HIMS-2730	Professional Practice Experience I	2
	Total Semester Credits	**19**

3rd Semester (fall)

HIMS-2340	HIMS Applications II	3
HIMS-2390	Coding & Reimbursement Apps	3
HIMS-2630	Quality & Performance Improvement	3
HIMS-2760	Professional Practice Experience II	2
PSYC-1810	Introduction to Psychology	3
	Total Semester 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 BSAD-1500) will be required. Please consult with the HIT Program Director at 308.635.6064 for more information.*

Diploma (Coding Technician)

DI.5107B (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 BSAD-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 Semester 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
INFO-1094	Intro to Database (Access)	1
	Total Semester 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 Semester 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 Science
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

At the conclusion of the program, students will be able to:

- 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.
- Dependent upon 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 Science 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 the required coursework in the sciences. The program naturally contains considerable flexibility regarding the recommended coursework. It is important for a student to consult with their 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. Know 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 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 32 credits

Class		Credits
BIOS-2250	Human Anatomy & Physiology I (with lab)	4
BIOS-2260	Human Anatomy & 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
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): 9 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-1380	General Zoology (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

Recommended Plan of Study

1st Semester		Credits
BIOS-2250	Human Physiology & Anatomy I (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 Semester 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 Semester 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 Semester 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 Semester 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 or school 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 Science 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 math/science 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 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): 9 credits

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 Semester 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 Semester Credits	**14**

3rd Semester		**Credits**
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 Semester Credits	**16**

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
	Social Sciences GE elective	3
	Total Semester 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 Science 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 math/science 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 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 Courses for Transfer* (select from below): 4 credits

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		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 Semester Credits	**14**

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
PRVD-1010	Achieving College Success	3
	Total Semester 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 Semester 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 Semester 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 25 credits

Class		Credits
BIOS-1000	Basic Nutrition	3
	or	
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
	or	
CHEM-1090	General Chemistry (with lab)	4
MATH-1150	College Algebra	3
MATH-2170	Applied Statistics	3

Recommended Electives or Courses for Transfer (select from below): 16 credits

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; students should consult with their advisor for WNCC courses that fulfill these requirements.

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 *(WNCC's PRDV-1000 fulfills)*	3
	Culture, Race, Ethnicity & Gender *(see advisor)*	3

Ethics Requirement

Class		Credits
BSAD-2450	Business Ethics*	3
	or	
HUSR-2380	Professional Ethics and Issues*	3
	or	
PHIL-1060	Intro to Ethics and Current Issues In Philosophy*	3

**UNMC recommends PHIL-1060; BSAD-2450 and HUSR-2380 will satisfy UNMC's ethics requirement, however students MAY be required to take another humanities course to fulfill WNCC's humanities requirement. Consult with an advisor.*

Total AS Requirements 61 credits

Recommended Plan of Study

1st Semester		**Credits**
BIOS-2250	Human Anatomy and Physiology I (with lab)	4
ENGL-1010	English Composition I	3
MATH-1150	College Algebra	3
PRDV-1010	Achieving College Success *(fulfills UNMC Family & Human Behavior requirement)*	3
	Total Semester Credits	**13**
2nd Semester		**Credits**
BIOS-2260	Human Anatomy and Physiology II (with lab)	4
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 Semester Credits	**17**
3rd Semester		**Credits**
CHEM-1050	Introductory Chemistry (with lab) or	4
CHEM-1090	General Chemistry (with lab)	
PSYC-2150	Life Span: Human Growth & Development	3
	Culture, Race, Ethnicity & Gender Elective *(see advisor)*	3
	Political Science & Social Organization elective *(see advisor)*	3
	Elective *(recommend HLTH-1195)*	3
	Total Semester Credits	**16**
4th Semester		**Credits**
BIOS-1000	General Nutrition or	3
BIOS-2050	Nutrition and Diet Therapy	3
MATH-2170	Applied Statistics	3
	Oral Communications GE elective *(fulfills UNMC humanities requirement)*	3
	Ethics elective	3
	Elective	3
	Total Semester Credits	**15**
	Total AS Credits	**61**

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 Science 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 Science 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, 27 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 Science degree in this emphasis area.

Students should choose electives based on the recommendations of the college or school of pharmacy to which the student plans to apply.

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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 27 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 & Calculus I	5

Recommended Electives or Courses for Transfer (select from below): 14 credits

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 65 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 Semester Credits	**17**

2nd Semester		Credits
BIOS-1380	General Zoology (with lab)	4
CHEM-1100	General Chemistry II	4
ENGL-1020	English Composition II	3
MATH-1210	Trigonometry	3
	Oral Communication GE elective	3
	Total Semester Credits	**17**

3rd Semester		Credits
CHEM-2510	Organic Chemistry I (with lab)	4
MATH-1600	Analytic Geometry and Calculus I	5
	Lab Science GE elective	4
	Social Sciences GE elective	3
	Total Semester Credits	**16**

4th Semester		Credits
CHEM-2520	Organic Chemistry II (with lab)	4
	Humanities GE elective	3
	Social Sciences GE elective	3
	Electives	5
	Total Semester Credits	**15**
	Total AS Credits	**65**

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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 22 credits

Class		Credits
BIOS-2250	Human Anatomy & Physiology I (with lab)	4
BIOS-2260	Human Anatomy & 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
MATH-1210	Trigonometry	3

Recommended Electives or Courses for Transfer (select from below): 19 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-1380	General Zoology (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 Semester 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
	Humanities GE elective	3
	Total Semester Credits	**17**
3rd Semester		**Credits**
BIOS-2250	Human Anatomy & Physiology I (with lab)	4
CHEM-2510	Organic Chemistry I (with lab)	4
PSYC-1810	Introduction to Psychology	3
	Oral Communications GE elective	3
	Total Semester Credits	**14**
4th Semester		**Credits**
BIOS-2260	Human Physiology & Anatomy II (with lab)	4
CHEM-2520	Organic Chemistry II (with lab)	4
	Social Sciences GE elective	3
	Electives	3
	Total Semester 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 Science 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 math/science 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 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): **9 credits**

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 **66 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 Semester 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
	Humanities GE elective	3
	Total Semester Credits	**17**

3rd Semester		Credits
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 Semester Credits	**16**

4th Semester		Credits
BIOS-2460	Microbiology (with lab)	4
CHEM-2520	Organic Chemistry II (with lab)	4
PHYS-1420	Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)	5
	Social Sciences GE elective	3
	Total Semester 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

At the conclusion of the program, students will be able to:

- 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.
- Dependent upon 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.

Biomedical Research (Pre) Emphasis Area

AS.2601 (64 credits)
Scottsbluff

The pre-biomedical research emphasis area is designed to provide the student with a course of study that allows them 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Health Science Core Courses 22 credits

Class		Credits
BIOS-2250	Human Anatomy & Physiology I (with lab)	4
BIOS-2260	Human Anatomy & 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
MATH-1210	Trigonometry	3

Recommended Electives or Courses for Transfer 19 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-1380	General Zoology (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 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 Semester 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
	Humanities GE elective	3
	Total Semester Credits	**17**

3rd Semester		Credits
BIOS-2120	Genetics (with lab)	4
BIOS-2250	Human Anatomy & Physiology I (with lab)	4
CHEM-2510	Organic Chemistry I (with lab)	4
	Oral Communication GE elective	3
	Total Semester Credits	**15**

4th Semester		Credits
BIOS-2260	Human Anatomy & Physiology II (with lab)	4
BIOS-2460	Microbiology (with lab)	4
CHEM-2520	Organic Chemistry II (with lab)	4
	Social Sciences GE elective	3
	Total Semester Credits	**15**
	Total AS Credits	**64**

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 Science 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	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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 26 credits

Class		Credits
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

1st Semester		Credits
ENGL-1010	English Composition I	3
MATH-1150	College Algebra	3
PRDV-1010	Achieving College Success	3
	Humanities GE elective	3
	Social Sciences GE elective	3
	Total Semester Credits	**15**

2nd Semester		Credits
BIOS-1010	General Biology (with lab)	4
ENGL-1020	English Composition II	3
	First of 12-Hour Series	3
	Second of 12-Hour Series	3
	Social Sciences elective	3
	Total Semester Credits	**16**

3rd Semester		Credits
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 Semester Credits	**17**

4th Semester		Credits
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 Semester 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 Science 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:

Class		Credit
HIST-2100	World Civilization (4000 BC – 1500 AD)	3
HIST-2110	World Civilization (1500 AD – Present)	3
POLS-2390	International Relations	3

- 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Health Science Core Courses 33 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
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-1090	General Chemistry I (with lab)	4
CHEM-1100	General Chemistry II (with lab)	4
MATH-1150	College Algebra	3
MATH-2170	Applied Statistics	3

Recommended Electives or Courses for Transfer 8 credits

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:

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 Semester 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 Semester 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 Semester 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 Semester 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 Science 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements — 43 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-1300	Botany (with lab)	4
BIOS-1380	General Zoology (with lab)	4
BIOS-2120	Genetics (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
MATH-1210	Trigonometry	3
MATH-1600	Analytic Geometry & Calculus I	5
MATH-2170	Applied Statistics	3
Total AS Requirements		**67 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-1210	Trigonometry	3
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**17**
2nd Semester		**Credits**
BIOS-1300	General Botany (with lab)	4
CHEM-1100	General Chemistry II (with lab)	4
ENGL-1020	English Composition II	3
MATH-1600	Analytic Geometry and Calculus I	5
	Total Semester Credits	**16**
3rd Semester		**Credits**
BIOS-2120	Genetics (with lab)	4
CHEM-2510	Organic Chemistry I (with lab)	4
MATH-2170	Statistics	3
	Humanities GE Requirement	3
	Social Science GE Requirement	3
	Total Semester Credits	**17**
4th Semester		**Credits**
BIOS-1380	General Zoology (with lab)	4
CHEM-2520	Organic Chemistry II (with lab)	4
	Oral Communication GE Require	3
	Electives	6
	Total Semester Credits	**17**
	Total AS Credits	**67**

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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Health Science Core Courses 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	Physics I (with lab & recitation)	5
PHYS-1420	Physics II (with lab & recitation)	5

Recommended Electives or Courses for Transfer (selected from below) 9 credits

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		**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
MATH-1150	College Algebra	3
PRDV-1010	Achieving College Success	3
	Total Semester 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
	Social Sciences GE elective	3
	Total Semester Credits	**17**
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
	Humanities GE elective	3
	Oral Communication GE elective *(SPCH-1200 preferred)*	3
	Total Semester Credits	**15**
4th Semester		**Credits**
BIOS-2460	Microbiology (with lab)	4
CHEM-2520	Organic Chemistry II (with lab)	4
PHYS-1420	Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)	5
	Total Semester Credits	**13**
	Total AS Credits	**62**

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, they should contact their 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 Science 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 math/science 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 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		Credits
BIOS-2250	Human Anatomy & Physiology I (with lab)	4

ENGL-1010	English Composition I	3
MATH-1150	College Algebra	3
PRDV-1010	Achieving College Success	3
	Social Sciences GE elective	3
	Total Semester Credits	**16**
2nd Semester		**Credits**
BIOS-2260	Human Anatomy & Physiology II (with lab)	4
ENGL-1020	English Composition II	3
HLTH-1060	Medical Terminology	3
MATH-2170	Applied Statistics	3
	Oral Communications GE elective	3
	Total Semester Credits	**16**
3rd Semester		**Credits**
CHEM-1050	Introductory Chemistry (with lab)	4
PHYS-1410	Elementary General Physics I w/ Algebra/Trigonometry (with lab & recitation) (fall semester only)	4-5
	or	
PHYS-1225	Science of Sports (with lab) (spring semester only)	
	Humanities GE elective	3
	Radiologic Science (transfer courses)	4-5
	Total Semester Credits	**15-17**
4th Semester		**Credits**
	Radiologic Science (transfer courses)	14-16
	Total Semester Credits	**14-16**
	Total AS Credits	**61-65**

Human Services

Associate of Arts

Associate of Applied Science

Certificate

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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

At the conclusion of the program, students will be able to:

- Be able to understand how past events influenced the field of human services and how historical and current legislation continues to impact the field.
- Understand 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 their 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 student 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

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Science *(from two different alphas)*	6

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

Required Human Services Core 18 credits

Class		Credits
HUSR-1620	Intro to Human Services Work	3
HUSR-1800	Case Assessment, Planning, and Management	3
HUSR-2000	Intro to Counseling Skills: Theory and Techniques	3
HUSR-2300	Group Counseling	3
HUSR-2380	Professional Ethics and Issues	3
HUSR-2450	Multicultural Counseling	3

Recommended Electives 12 credits

Select four (4) courses from the list below:

Class		Credits
CRIM-1010	Introduction to Criminal Justice	3
CRIM-1020	Introduction to Corrections	3
CRIM-2110	Juvenile Justice	3
CRIM-2250	Community-Based Corrections	3
ECED-1060	Observation, Assessment, and Guidance	3
ECED-1110	Infant/Toddler Development	3
ECED-1120	Preschool Child Development	3
ECED-1230	School Age Child Development	3
ECED-2050	Children with Exceptionalities	3
EDUC-1110	Intro to Professional Education	3
EDUC-2050	Educational Psychology	3
HUSR-2530	Clinical Treatment Issues	3
HUSR-2800	Human Service Worker Practicum	4
PSYC-2020	Drugs and Behavior	3
PSYC-2090	Abnormal Psychology	3
PSYC-2100	Child & Adolescent Development	3
PSYC-2140	Social Psychology	3
PSYC-2150	Lifespan Growth & Development	3
PSYC-2650	Research Methods in Psychology	3
SOCI-1010	Introduction to Sociology	3
SOCI-2050	Special Topics in Sociology	3
SOCI 2250	Marriage and Family	3

Total AA Requirements 61-62 credits

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
HUSR-1620	Introduction to Human Services Work	3
HUSR-1800	Case Assessment, Planning, & Management	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**15**

2nd Semester		Credits
BIOS-1010	General Biology (with lab)	4
ENGL-1020	English Composition II	3
HUSR-2380	Professional Ethics and Issues	3
	Humanities GE elective	3
	HUSR Program elective	3
	Total Semester Credits	**16**

3rd Semester		Credits
HUSR-2000	Introduction to Counseling Skills	3
	Humanities GE elective	3
	Math GE elective	3-4
	Oral Communication GE elective	3
	HUSR Program elective *(PSYC-2090 recommended)*	3
	Total Semester Credits	**15-16**

4th Semester		Credits
HUSR-2300	Group Counseling	3
HUSR-2450	Multicultural Counseling	3
	Social Science GE elective *(ANTH-2130 recommended)*	3

	HUSR Program elective *(PSYC-2150 recommended)*	3
	HUSR Program elective	3
	Total Semester Credits	**15**
	Total AA Credits	**61-62**

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

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.*

Required Human Services Core 31 credits

Class		Credits
HUSR-1620	Intro to Human Services Work	3
HUSR-1800	Case Assessment, Planning, and Management	3
HUSR-2000	Intro to Counseling Skills: Theory and Techniques	3
HUSR-2300	Group Counseling	3
HUSR-2380	Professional Ethics and Issues	3
HUSR-2450	Multicultural Counseling	3
HUSR-2800	Human Services Worker Practicum	4
HUSR-2500	Human Services Worker Internship	3
PSYC-2090	Abnormal Psychology	3
PSYC-2150	Life Span: Human Growth & Dev	3

Recommended Electives 15 credits

Select from the list below:

Class		Credits
CRIM-1010	Introduction to Criminal Justice	3
CRIM-1020	Introduction to Corrections	3
CRIM-2110	Juvenile Justice	3
CRIM-2250	Community-Based Corrections	3
ECED-1060	Observation, Assessment, and Guidance	3
ECED-1110	Infant/Toddler Development	3
ECED-1120	Preschool Child Development	3
ECED-1230	School Age Child Development	3
ECED-2050	Children with Exceptionalities	3
EDUC-1110	Intro to Professional Education	3
EDUC-2050	Educational Psychology	3
HUSR-2530	Clinical Treatment Issues	3
PSYC-2020	Drugs and Behavior	3
PSYC-2100	Child & Adolescent Development	3
PSYC-2140	Social Psychology	3
PSYC-2650	Research Methods in Psychology	3
SOCI-1010	Introduction to Sociology	3
SOCI-2050	Special Topics in Sociology	3
SOCI 2250	Marriage and Family	3

Total AAS Requirements 62-63 credits

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
HUSR-1620	Introduction to Human Services Work	3
HUSR-1800	Case Assessment, Planning & Management	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**15**

2nd Semester		Credits
HUSR-2450	Multicultural Counseling	3
PSYC-2090	Abnormal Psychology	3
	HUSR Program elective *(PSYC-2020 recommended)*	3
	Math GE elective	3-4
	Elective	3
	Total Semester Credits	**15-16**

3rd Semester		Credits
HUSR-2000	Intro to Counseling Skills: Theory And Techniques	3
HUSR-2800	Human Services Worker Practicum	4

PSYC-2150	Life Span: Human Growth & Dev	3
	HUSR Program elective *(HUSR-2530 recommended)*	3
	Oral Communication GE elective	3
	Total Semester Credits	**16**

4th Semester		**Credits**
HUSR-2300	Group Counseling	3
HUSR-2380	Professional Ethics and Issues	3
HUSR-2500	Human Service Worker Internship	3
	HUSR Program elective	3
	Elective	3
	Total Semester Credits	**15**
	Total AAS Credits	**61-63**

Certificate (Drug & Alcohol Counseling)

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

Prerequisite Course 3 credits

Class		**Credits**
PSYC-1810	Introduction to Psychology	3

Required Human Services Core 24 credits

Class		**Credits**
HUSR-1800	Case Assessment, Planning & Management	3
HUSR-2000	Introduction to Counseling Skills	3
HUSR-2300	Group Counseling	3
HUSR-2380	Professional Ethics	3
HUSR-2450	Multicultural Counseling	3
HUSR-2530	Clinical Treatment Issues	3
PSYC-2020	Drugs and Behavior	3
PSYC-2150	Life Span: Human Growth & Dev	3

Elective (strongly recommended) 3 credits

Class		**Credits**
PSYC-2090	Abnormal Psychology	3

Total Certificate Requirements 27-30 credits

Recommended Plan of Study

Prerequisite Course		**3 credits**
PSYC-1810	Introduction to Psychology	3

1st Semester		**Credits**
HUSR-1800	Case Assessment, Planning & Management	3
HUSR-2000	Introduction to Counseling Skills	3
HUSR-2530	Clinical Treatment Issues	3
PSYC-2150	Life Span: Human Growth & Dev	3
	Total Semester Credits	**15**

2nd Semester		**Credits**
HUSR-2300	Group Counseling	3
HUSR-2380	Professional Ethics	3
HUSR-2450	Multicultural Counseling	3
PSYC-2020	Drugs and Behavior	3
	Total Semester Credits	**12**
	Total Certificate Credits	**27**
PSYC-2090	Abnormal Psychology (optional)	3
	Total Certificate Credits (with optional course)	**30**

Information Technology

Associate of Arts
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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

At the conclusion of the program, students will be able to:

- 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

- These programs are available in person or 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

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Sciences *(from two different alphas)*	6

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

Information Technology Core 25 credits

Class		Credits
INFO-1040	Database (Access)	3
INFO-1097	Electronic Communications (Outlook)	1
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
INFO-1220	Intro to Information Technology	3
INFO-1241	IT Technical Support	3
INFO-1400	Networking Essentials	3
INFO-2426	Linux	3
INFO-2450	Windows Server	3
INFO-2600	Cybersecurity Essentials	3

Core Requirements for IT or Cybersecurity Option 6 credits

Total AA Requirements 62-63 credits

Information Technology Option (AA)

AA.1199A (62 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 credits:

Class		Credit
INFO-1242	IT Hardware Support	3
INFO-1255	Python	3
	or	
INFO-1360	Visual C#	
	or	
INFO-1510	Introduction to Robotics	

Recommended Plan of Study

1st Semester (fall)		Credits
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
INFO-1220	Intro to Information Technology	3
INFO-1242	IT Hardware Support	3
MATH-1150	College Algebra (or higher)	3
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester (spring)		Credits
ENGL-1010	English Composition I	3
INFO-1097	Electronic Communications (Outlook)	1

INFO-1241	IT Technical Support	3
INFO-1255	Python	3
	or	
INFO-1360	Visual C#	
INFO-1400	Networking Essentials	3
	Social Science GE elective	3
	Total Semester Credits	**16**

3rd Semester (fall)		**Credits**
ENGL-1020	English Composition II	3
INFO-2450	Windows Server	3
INFO-2600	Cybersecurity Essentials	3
	Humanities GE elective	3
	Oral Communication GE elective	3
	Total Semester Credits	**15**

4th Semester (spring)		**Credit**
INFO-1040	Database (Access)	3
INFO-2426	Linux	3
	Humanities GE requirement	3
	Lab Science GE requirement	4
	Social Science GE requirement	3
	Total Semester Credits	**16**
	Total AA Credits	**62**

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:

Core Requirements		**6 credits**
Class		**Credit**
INFO-1255	Python	3
INFO-2650	Ethical Hacking & Network Defense	3

Recommended Plan of Study

1st Semester (fall)		**Credits**
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Apps	
INFO-1220	Intro to Information Technology	3
INFO-1241	IT Technical Support	3
MATH-1150	College Algebra (or higher)	3
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester (spring)		**Credits**
ENGL-1010	English Composition I	3
INFO-1040	Database (Access)	3
INFO-1097	Electronic Communications (Outlook)	1
INFO-1255	Python	3
INFO-1400	Networking Essentials	3
	Social Science GE elective	3
	Total Semester Credits	**16**

3rd Semester (fall)		**Credits**
ENGL-1020	English Composition II	3
INFO-2450	Windows Server	3
INFO-2600	Cybersecurity Essentials	3
	Humanities GE elective	3
	Oral Communication GE elective	3
	Total Semester Credits	**15**

4th Semester (spring)		**Credit**
INFO-2426	Linux	3
INFO-2650	Ethical Hacking & Network Defense	3
	Humanities GE requirement	3
	Lab Science GE requirement	4
	Social Science GE requirement	3
	Total Semester Credits	**16**
	Total AA Credits	**62**

Life Sciences & Natural Resources

Associate of Science
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

At the conclusion of the program, students will be able to:

- 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 Science 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.
- Dependent upon 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

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 math/science 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 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 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 them 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 of Applied Science (BAS).

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 parentheses 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 Science 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 math/science 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 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 Semester Credits	**16**

2nd Semester		Credits
BIOS-1380	General Zoology (112/112L)	4
BIOS-2460	Microbiology (111)	4
MATH-1210	Trigonometry (102)	3
	Oral Communication GE elective**	3
	Total Semester Credits	**14**

3rd Semester		Credits
BIOS-2120	Genetics (206)	4
CHEM-1090	General Chemistry (109)	4
ENGL-1020	English Composition II (101)	3

PHYS-1410	Elementary General Physics I w/ Algebra/Trigonometry (141)	5
	Total Semester Credits	**16**

4th Semester		**Credits**
BIOS-1300	General Botany (109)	4
CHEM-1100	General Chemistry II (110)	4
STAT-2170	Applied Statistics (218)	3
	Humanities GE elective	3
	Total Semester Credits	**14**
	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)*

Class		**Credits**
BIOS-2000	Introduction to Scientific Research	1
BIOS-1401	Biological Sciences Internship (Through UNL Extension Services)	1

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 Science 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 math/science 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 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		**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 Semester Credits	**17**

2nd Semester		**Credits**
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 Semester Credits	**14**

3rd Semester		**Credits**
BIOS-2120	Genetics (with lab)	4
CHEM-2510	Organic Chemistry I (with lab)	4
MATH-1210	Trigonometry	3
	Social Sciences GE elective	3
	Total Semester Credits	**14**

4th Semester		Credits
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 Semester 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, 26 credits of core courses and 15 credits of electives are required for the forestry/wildlife management emphasis area. A total of 60 credits are required for the Associate of Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 26 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-1100	Environmental Science (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 (selected from below) 15 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		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 Semester 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 Semester Credits	**14**

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 Semester 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 Semester 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 associates 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 associates 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 18 credits

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-1380	General Zoology (with lab)	4
CHEM-1050	Introductory Chemistry (with lab)	4
MATH-1150	College Algebra	3
MATH-1210	Trigonometry	3

Emphasis Area Electives or Courses for Transfer — 22 credits

Chadron State College offers indicated AGRI classes through virtual delivery and are subject to reverse transfer agreements between WNCC and CSC.

Class		Credits
AGRI-132	Introduction to Animal Science	3
AGRI-141	Introduction to Plant Science	3
AGRI-151	Foundations of Nutrition & Metabolism	3
AGRI-235	Introduction to Wildlife Management	3
AGRI-242	Principles of Rangeland and Forage Management (with lab)	4
AGRI-245	Principles of Soil Science (with lab)	4
	Additional humanities course	3

Total AS Requirements — 62 credits

Recommended Plan of Study

1st Semester		Credits
AGRI-132	Intro to Animal Science (CSC course)	3
AGRI-141	Intro to Plant Science (CSC course)	3
BIOS-1010	General Biology (with lab)	4
MATH-1150	College Algebra	3
PRVD-1010	Achieving College Success	3
	Total Semester Credits	**16**

2nd Semester		Credits
AGRI-151	Foundations of Nutrition and Metabolism (CSC course)	3
BIOS-1380	General Zoology (with lab)	4
ENGL-1010	English Composition I	3
	ARTS, MUSC, or THEA elective *(see Notes - CSC Essential Studies)*	3
	Total Semester Credits	**13**

3rd Semester		Credits
AGRI-242	Principles of Rangeland and Forage Management (with lab) (CSC course)	4
CHEM-1050	Introductory Chemistry (with lab)	4
ENGL-1020	English Composition II	3
	Oral Communications GE elective	3
	HIST, POLS elective *(see Notes CSC Essential Studies)*	3
	Total Semester Credits	**17**

4th Semester		Credits
AGRI-235	Introduction to Wildlife Management (CSC course)	3
AGRI-245	Principles of Soil Science (with lab) (CSC course)	4
HUMS-1100	Introduction to Humanities *(see Notes - CSC Essential Studies)*	3
MATH-2170	Applied Statistics	3
	Social science GE elective	3
	Total Semester Credits	**16**

Total AS Credits — 62

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 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 timeframe 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

At the conclusion of the program, students will be able to:

- Perform routine clinical laboratory tests in areas such as clinical chemistry, hematology/hemostasis, immunology, 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 Harms 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 61.5 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

Class	Credits
Written Communication*	3
Oral Communication	3
Quantitative Reasoning*	4
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.*

MLT Core Courses — 61.5 credits

Total AAS Credits — 78.5 credits

Recommended Plan of Study

1st Semester (fall semester)		Credits
HLTH-1060	Medical Terminology	3
INFO-1100	Microcomputer Applications	3
LPNR-1110	Body Structure and Function	4
MEDT-1000	Introduction to Clinical Laboratory	2
MEDT-1010	Fundamentals of Phlebotomy*	4
MEDT-1210	Practicum: Phlebotomy	2.5
	Total Semester Credits	**18.5**

2nd Semester (spring semester)		Credits
MATH-1010	Intermediate Algebra (or higher)	4
MEDT-1005	Clinical Laboratory Operations	3
PRDV-1010	Achieving College Success	3
SPCH-1200	Human Communication	3
	Written Communication GE elective	3
	Total Semester Credits	**16**

3rd Semester (summer - MLT Core Courses)		Credits
MEDT-2100	Clinical Microbiology I	3
MEDT-2110	Urinalysis & Body Fluids	3
MEDT-2120	Clinical Immunology	3
	Total Semester Credits	**9**

4th Semester (fall - MLT Core Courses)		Credits
MEDT-2130	Clinical Chemistry	4
MEDT-2140	Clinical Hematology & Hemostasis	4
MEDT-2150	Clinical Immunohematology	4
MEDT-2160	Clinical Microbiology II	4
	Total Semester Credits	**16**

5th Semester (spring- MLT Core Courses)		Credits
MEDT-2200	Practicum: Microbiology	3
MEDT-2230	Practicum: Chemistry	3
MEDT-2240	Practicum: Hematology	3
MEDT-2250	Practicum: Immunohematology	3
	Total Semester Credits	**12**

6th Semester (summer - MLT Core Courses)		Credits
MEDT-2210	Practicum: Urinalysis	2
MEDT-2220	Practicum: Immunology	2
MEDT-2300	MLT Certification Examination Preparation Review	3
	Total Semester Credits	**7**
	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 timeframe 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 admission requirements into the Phlebotomy program are the same as for the MLT program and are listed above.

Program Outcomes

At the conclusion of the program, students will be able to:

- 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 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.

Program Requirements

The Phlebotomy program consists of 18.5 hours, all of which apply toward the AAS degree program for medical laboratory technician and constitute the first semester of study for the program.

Recommended Plan of Study

Semester		Credits
HLTH-1060	Medical Terminology	3
INFO-1100	Microcomputer Applications	3
LPNR-1110	Body Structure and Function	4
MEDT-1000	Introduction to Clinical Laboratory	2
MEDT-1010	Fundamentals of Phlebotomy	4
MEDT-1210	Practicum: Phlebotomy	2.5
	Total Certificate Credits	**18.5**

Nursing (AD-N)

ADN.5116 (72 credits)
Associate Degree
Alliance • Scottsbluff • Sidney

The Associate Degree of Nursing (AD-N) program requires successful completion of a minimum of 72 credit hours of prerequisites and nursing coursework and prepares students to become a registered nurse. The AD-N program has two options, traditional and advanced placement (for the student with an unencumbered LPN license).

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.

Program Outcomes

At the conclusion of the program, students will be able to:

- Analyze care practices and processes to minimize risk of harm to patients, self, and the health care team.
- Coordinate holistic patient-centered care for groups of patients.
- Compare professional communication skills that facilitate shared decision-making in provision of patient-centered care and in promoting effective team functioning.
- Analyze findings from current evidence-based practice for use in provision of patient-centered care and in the improvement of clinical processes and systems.
- Analyze 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.
- Applicants may start applying in the fall semester prior to admission year. All applications are due May 15.

- Students must attain a minimum cumulative prerequisite GPA of 3.0 and earn a minimum grade of "C" on all required prerequisites.
- Prior to provisions acceptance into the AD-N program, prerequisites and entrance exams must be completed.
- Required entrance exams for the **traditional option**:
  - ATI Critical Thinking Exam with a score of 60 or higher.
  - ATI TEAS Exam with a score of proficiency level or higher.
- Required entrance exams for the **advanced placement option**:
  - 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.
- All students who receive a provisional acceptance letter into the program are required to undergo a criminal background check, drug screening, and immunization/titers screening as part of the admission process.
- Full acceptance into the program is contingent upon program approved background check, drug screening, and immunization/titer screening.
- Current LPNs with full acceptance advance place into the second year of the AD-N program.
- 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

The AD-N program requires a minimum of 72 credit hours – 22 hours of required prerequisite study and 50 hours of core nursing courses.

Notes

- Students must have a current BNA on the Nebraska registry or registry in the students' state of residence.
- Students must demonstrate math competency either by ACCUPLACER® score or having completed MATH-1010 (Intermediate Algebra) and be MATH-1150 (College Algebra) ready.

Recommended Plan of Study

Required Prerequisites

1st Year (fall)		**Credits**
BIOS-2250	Human Anatomy & Physiology I (with lab)*	4
CHEM-1050	Introductory Chemistry (with lab)	4
ENGL-1010	English Composition I	3
	Total Semester Credits	**11**

1st Year (spring)		**Credits**
BIOS-2260	Human Anatomy & Physiology II (with lab)*	4
BIOS-2460	Microbiology (with lab)*	4
PSYC-1810	Introduction to Psychology	3
	Total Semester Credits	**11**
	Total Prerequisites	**22**

**Must be taken within 10 years before admission into the nursing program.*

Full Acceptance (required to start 2nd year)

2nd Year (fall)		**Credits**
ADNR-1112	Fundamentals of Nursing Practice	5
ADNR-1132	Pathophysiology I	2
ADNR-1160	Health Assessment	2
PSYC-2150	Life Span: Human Growth & Dev**	3
	Total Semester Credits	**12**

***Can be taken as a prerequisite. Please see advisor.*

2nd Year (spring)		**Credits**
ADNR-1122	Principles of Pharmacology I	1
ADNR-1134	Pathophysiology II	2
ADNR-1141	Adult Health & Illness I	4
ADNR-1151	Adult Health & Illness II	4
BIOS-2050	Nutrition & Diet Therapy**	3
	Total Semester Credits	**14**

***Can be taken as a prerequisite. Please see advisor.*

3rd Year (fall)		**Credits**
ADNR-2112	Care of the Older Adult	2.5
ADNR-2122	Principles of Pharmacology II	2.5
ADNR-2126	Psychiatric/Mental Health Nursing	3
ADNR-2141	Adult Health & Illness III	4
	Total Semester Credits	**12**

3rd Year (spring)		**Credits**
ADNR-2124	Principles of Pharmacology III	1.5
ADNR-2134	Maternal Child Nursing	3.5
ADNR-2151	Adult Health & Illness IV	3.5

ADNR-2175	Transition to Practice	3.5
	Total Semester Credits	**12**
	Total AD-N Credits	**72**

Full-Time (Advanced Placement Option)

Program Requirements

Students pursuing the advanced placement (AP) option for an AD-N will complete a minimum of 72 credit hours, achieved through:

1. **Transfer credits** from an accredited LPN program.
2. **Required prerequisites**
3. **ADNR courses**

Notes

- 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 MATH-1150 (College Algebra) ready.

Recommended Plan of Study

Required Prerequisites

1st Year (fall)		**Credits**
ADNR-1132	Pathophysiology I**	2
BIOS-2250	Human Anatomy & Physiology I (with lab)*	4
CHEM-1050	Introductory Chemistry (with lab)**	4
ENGL-1010	English Composition I	3
PSYC-1810	Introduction to Psychology**	
	Total Semester Credits	**16**

1st Year (spring)		**Credits**
ADNR-1134	Pathophysiology II	2
BIOS-2050	Nutrition & Diet Therapy**	3
BIOS-2260	Human Anatomy & Physiology II (with lab)*	4
BIOS-2460	Microbiology (with lab)**	4
PSYC-2150	Life Span: Human Growth & Dev**	3
	Total Semester Credits	**16**

**Must be taken within 10 years before admission into the nursing program.*

***Evaluation of credit is made at time of transfer.*

Full Acceptance (required to start 2nd year)

2nd Year (fall)		**Credits**
ADNR-1160	Health Assessment***	2
ADNR-2112	Care of the Older Adult	2.5
ADNR-2122	Principles of Pharmacology II	2.5
ADNR-2126	Psychiatric/Mental Health Nursing	3
ADNR-2141	Adult Health & Illness III	4
	Total Semester Credits	**14**

****Can be taken as a prerequisite course. Please see advisor.*

2nd Year (spring)		**Credits**
ADNR-2124	Principles of Pharmacology III	1.5
ADNR-2134	Maternal Child Nursing	3.5
ADNR-2151	Adult Health & Illness IV	3.5
ADNR-2175	Transition to Practice	3.5
	Total Semester Credits	**12**
	Total AP AD-N Credits	**72**

Nursing (Practical)

DI.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 (NCLEX-PN).

The practical nursing program is located in Scottsbluff, NE is accredited by the:

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

The most recent accreditation decision made by the ACEN Board of Commissioners for the practical nursing program is continuing accreditation.

The PN program is also approved by the:

Nebraska Board of Nursing
P.O. Box 95007
Lincoln, NE 68509
402.471.4917

Program Outcomes

At the conclusion of the program, students will be able to:

- Demonstrates safe care practices to minimize the potential harm to patients, self, and the health care 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 15 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.
- All students who receive a provisional acceptance letter into the program are required to undergo a criminal background check, drug screening, and immunization/titers screening as part of the admission process. Acceptance into the program is contingent upon the background check, drug screening, and immunization/titers screening.
- 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 Semester Credits	**16-17**

2nd Semester		Credits
BIOS-2460	Microbiology*	4
LPNR-1250	Concepts of Nursing	7
LPNR-1270	Medical/Surgical Nursing I	5.5
LPNR-1410	Pharmacology I	2
	Total Semester 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
LPNR-1480	Pharmacology II	2
	Total Semester Credits	**15**
	Total Diploma Credits	**49.5-50.5**

Physical Sciences & Math

Associate of Science

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

At the conclusion of the program, students will be able to:

- 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 to an 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 related 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 Science 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.
- Dependent upon the choice of electives, it is possible that the total credits earned for the AS degree will exceed the required 60 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)

Scottsbluff

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

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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 41 credits

Class		Credits
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
MATH-1600	Analytic Geometry and Calculus	5
MATH-2150	Calculus II	5
MATH-2200	Calculus III	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

Elective Requirements 1 credit

Total AS Requirements 62 credits

Recommended Plan of Study

1st Semester		Credits
CHEM-1090	General Chemistry I (with lab)	4
ENGL-1010	English Composition I	3
MATH-1600	Analytic Geometry and Calculus I	5
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester		Credits
CHEM-1100	General Chemistry II (with lab)	4
ENGL-1020	English Composition II	3
	Humanities GE elective	3
	Oral Communication GE elective	3
	Social Science GE elective	3
	Total Semester Credits	**16**

3rd Semester		Credits
CHEM-2510	Organic Chemistry I (with lab)	4
MATH-2150	Calculus II	5
PHYS-1410	Elementary General Physics I w/	5

	Algebra/Trigonometry (with lab and recitation)	
	Elective	3
	Total Semester Credits	**17**

4th Semester		**Credits**
CHEM-2520	Organic Chemistry II (with lab)	4
MATH-2200	Calculus III	5
PHYS-1420	Elementary General Physics II w/ Algebra/Trigonometry (with lab and recitation)	5
	Total Semester Credits	**14**
	Total AS Credits	**62**

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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 28 credits

Class		**Credits**
ENGR-1020	Programming & Problem Solving	3
MATH-1600	Analytic Geometry & Calculus I	5
MATH-2150	Calculus II	5
MATH-2200	Calculus III	5
PHYS-2110	General Physics I w/ Calculus (with lab and recitation)	5
PHYS-2120	General Physics II w/ Calculus (with lab and recitation)	5

Technical Electives or Courses Required for Transfer: 14 credits

Class		**Credits**
CHEM-1090	General Chemistry I (with lab)	4
ENGR-1010	Introduction to Engineering Design	3
ENGR-1070	Graphics for Engineers	3
ENGR-2020	Statics	3
ENGR-2110	Introduction to Circuits & Electronics	3
MATH-2210	Applied Differential Equations	3

Total AS Requirements 60-69 credits

Recommended Plan of Study

1st Semester		**Credits**
ENGL-1010	English Composition I	3
ENGR-1010	Introduction to Engineering Design	3
MATH-1600	Analytic Geometry & Calculus I (or selected math class)	3-5
PRDV-1010	Achieving College Success	3
	Technical elective (#1)	3-4
	Total Semester Credits	**15-18**

2nd Semester		**Credits**
ENGL-1020	English Composition II	3
ENGR-1020	Programming and Problem Solving	3
MATH-2150	Calculus II (or selected math class)	3-5

	Technical elective (#2)	3-4
	Humanities GE Requirement	3
	Total Semester Credits	**15-18**
3rd Semester		**Credits**
MATH-2200	Calculus III (or selected math class)	3-5
PHYS-2110	General Physics I w/ Calculus (with lab and recitation)	5
	Technical elective (#3)	3-4
	Oral Communication GE Require	3
	Total Semester Credits	**14-17**
4th Semester		**Credits**
PHYS-2120	General Physics II w/ Calculus (with lab and recitation)	5
	Technical elective (#4)	3-4
	Technical elective (#5)	3-4
	Social Science GE Requirement	3
	Total Semester Credits	**14-16**
	Total AS Credits	**(min) 60-69**

Mathematics Emphasis Area

AS.2701A (63 credits)

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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

At the conclusion of the program, students will be able to:

- 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 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 25 credits

Class		Credits
ENGR-1020	Programming & Problem Solving	3
MATH-1600	Analytic Geometry & Calculus I	5
MATH-2150	Calculus II	5
MATH-2170	Applied Statistics	3
MATH-2200	Calculus III	5
	Science elective	4

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.

Class		Credits
BIOS-1010	General Biology (with lab)	4
BIOS-2120	Genetics (with lab)	4
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-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
ENGR-2020	Statics	3
ENGR-2110	Introduction to Circuits & Electronics	3
MATH-2210*	Applied Differential Equations	3
PHYS-1070	Astronomy	4
PHYS-2110	General Physics I w/ Calculus (with lab and recitation)	5
PHYS-2120	General Physics II w/ Calculus (with lab and recitation)	5

**recommended*

Total AS Credits 63 credits

Recommended Plan of Study

1st Semester		**Credits**
ENGL-1010	English Composition I	3
MATH-1600	Analytic Geometry and Calculus I	5
PRDV-1010	Achieving College Success	3
	Lab Science GE elective	4
	Social Science GE elective	3
	Total Semester Credits	**18**
2nd Semester		**Credits**
ENGL-1020	English Composition II	3
ENGR-1020	Program and Problem Solving	3
MATH-2150	Calculus II	5
MATH-2170	Applied Statistics	3
	Total Semester Credits	**14**
3rd Semester		**Credits**
MATH-2200	Calculus III	5
	Technical elective	4
	Humanities GE elective	3
	Oral Communication GE elective	3
	Total Semester Credits	**15**
4th Semester		**Credits**
	Technical electives	13
	Elective	3
	Total Semester 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 Science 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 math/science 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 program requirements. Please consult with an advisor for details.*

Core Program Requirements 28 credits

Class		**Credits**
ENGR-1020	Programming and Problem Solving	3
MATH-1600	Analytic Geometry and Calculus I	5
MATH-2150	Calculus II	5
MATH-2200	Calculus III	5
PHYS-1410	Elementary General Physics I w/ Algebra/Trigonometry (with lab and recitation)	5
	or	
PHYS-2110	General Physics I w/ Calculus (with lab and recitation)	5

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 Courses Required for Transfer **14 credits**

Class		Credits
ENGR-2020	Statics	3
PHYS-1070	Astronomy	4
It is recommended that the remainder of the seven (7) credits be selected from any of the technical electives below:		
BIOS-1010	General Biology (with lab)	4
BIOS-2250	Human Anatomy & Physiology I (with lab)	4
BIOS-2260	Human Anatomy & Physiology II (with lab)	4
BIOS-2120	Genetics (with lab)	4
BIOS-2460	Microbiology (with lab)	4
CHEM-1090	General Chemistry I (with lab)	4
CHEM-1100	General Chemistry II (with lab)	4
ENGR-1070	Graphics for Engineers	3
ENGR-2110	Introduction to Circuits & Electronics	3
INFO-2350	Introduction to Computer Science	3
MATH-2170	Applied Statistics	3
MATH-2210	Applied Differential Equations	3

Total AS Requirements **62-64 credits**

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
MATH-1600	Analytic Geometry and Calculus I	5
PHYS-1070	Astronomy	4
PRDV-1010	Achieving College Success	3
	Total Semester Credits	**15**

2nd Semester		Credits
ENGL-1020	English Composition II	3
ENGR-1020	Programming and Problem Solving	3
MATH-2150	Calculus II	5
	Humanities GE elective	3
	Technical elective	3-4
	Total Semester Credits	**17-18**

3rd Semester		Credits
MATH-2200	Calculus III	5
PHYS-2110	General Physics I w/ Calculus (with lab and recitation)	5
	Oral Communications GE elective	3
	Elective	3
	Total Semester Credits	**16**

4th Semester		Credits
ENGR-2020	Statics	3
PHYS-2120	General Physics II w/ Calculus (with lab and recitation)	5
	Social Sciences GE elective	3
	Technical elective	3-4
	Total Semester Credits	**14-15**

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.

Program Outcomes

At the conclusion of the program, students will be able to:

- 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 OHSA.
- 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.

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 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.

- 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.

Program Requirements

AAS General Education Core 15 credits

Class	Credits
Written Communication*	3
ENGL-1000 (Workplace Writing) recommended	
Oral Communication	3
SPCH-1200 (Human Communication) recommended	
Quantitative Reasoning*	3
MATH-1020 (Technical Math) recommended	
Social or Lab Science	3
ECON-1230 (General Economics) 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 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

1st Semester (summer)		Credits
AMDT-1000	OSHA 10 for General Industry	1
TRAN-1000	Commercial Learner's Permit	2
UTIL-1100	Introduction to Power Line Basics and Safety	3.5
UTIL-1200	Basic Climbing	2.5
UTIL-1500	Applied Electric Science for Powerline I	2
UTIL-1600	Applied Math for Powerline I	1
	Total Semester Credits	**12**

2nd Semester (fall)		Credits
UTIL-1015	Staking/Mapping I	1
UTIL-1025	Rigging I	1
UTIL-1030	Power Use I	1
UTIL-1040	Street Lighting I	1
UTIL-1150	Safety I	1
UTIL-1415	Overhead Power Line Construction I	3
UTIL-1425	Electrical Equipment Structure & Design I	3
UTIL-1435	Electrical Equipment Structure & Design Lab	3
UTIL-1550	Applied Electric Science for Powerline II	3

UTIL-1650	Applied Math for Powerline II	1
	Total Semester Credits	**18**
3rd Semester (spring)		**Credits**
UTIL-2010	Staking/Mapping II	1
UTIL-2020	Safety II	1
UTIL-2030	Power Use II	1
UTIL-2040	Street Lighting II	1
UTIL-2350	Transformer Connections	4
UTIL-2415	Overhead Power Line Construction II	3
UTIL-2425	Electrical Equipment Structure & Design II	4
UTIL-2500	Powerline Internship	3
UTIL-2550	Applied Electric Science for Powerline III	3
	Total Semester 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

At the conclusion of the program, students will be able to:

- 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 a transferring institution does not require foreign language credits, students may take other social science or elective courses.
- Students should discuss with their advisor specific course recommendations to fulfill the social science and humanities elective requirements.

Program Requirements

AA General Education Core 31-32 credits

Class	Credits
Written Communication	6
Humanities *(from two different alphas)*	6
Lab Sciences	4
Math	3-4
Oral Communication	3
Personal Development	3
Social Sciences *(from two different alphas)*	6

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

Core Program Requirements 18 credits

Class		Credits
PSYC-1810	Introduction to Psychology	3
PSYC-2020	Drugs and Behavior	3
PSYC-2090	Abnormal Psychology	3
PSYC-2140	Social Psychology	3
PSYC-2150	Lifespan Growth & Development	3
PSYC-2650	Research Methods in Psychology	3

Recommended Electives 10-11 credits

Class		Credits
ANTH-2130	Mexican American/Native American Cultures	3
PHIL-1060	Introduction to Ethics	3
PHIL-2610	Comparative Religions	3
SOCI-2150	Issues of Unity and Diversity	3
SOCI-2250	Marriage and Family	3

Total AA Requirements 60 credits

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
MATH-2170	Applied Statistics	3
PRDV-1010	Achieving College Success	3
PSYC-1810	Introduction to Psychology	3
	General Education / Elective	3
	Total Semester Credits	**15**

2nd Semester		Credits
ENGL-1020	English Composition II	3
PSYC-2090	Abnormal Psychology	3
PSYC-2150	Lifespan Growth and Development	3
	General Education / Electives	6
	Total Semester Credits	**15**

3rd Semester		Credits
PSYC-2140	Social Psychology	3
PSYC-2650	Research Methods in Psychology	3
	General Education / Electives	9
	Total Semester Credits	**15**

4th Semester		Credits
PSYC-2020	Drugs and Behavior	3
	General Education / Electives	12
	Total Semester Credits	**15**

Total AA Credits 60

Social Work

AA.4407 (60-61 credits)
Associate of Arts
Alliance • Scottsbluff • Sidney

The social work emphasis area is designed to help individuals, social groups, and society function more effectively. The practice of social work requires knowledge of human behavior, social institutions, and ethnic groups. A social work major may choose to work in such fields as child welfare, aging, alcoholism, family counseling, and corrections. Students are expected to take courses in support areas such as science, mathematics, social science, and languages. Please note: a social work major does not necessarily fit into the human services work program or a general psychology program.

Program Outcomes

At the conclusion of the program, students will be able to:

- Facilitate the student's entry into a baccalaureate program in social work at a four-year college or university.

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 planning to transfer to Chadron State College, or the University of Nebraska-Kearney should work closely with their faculty advisor regarding elective credits.
  - Students planning to transfer to the University of Wyoming should take POLS-1000 American Government at the University of Wyoming.

Program Requirements

AA General Education Core 31-32 credits

Class	Credits
Written Communication	6
Oral Communication	3
Humanities *(from two different alphas)*	6
Math	3-4
Lab Sciences	4
Personal Development	3
Social Sciences *(from two different alphas)*	6

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

Note: *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 credits

Total AA Requirements 60-61 credits

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
HUSR-1620	Introduction to Human Services Work (or SW231 Professional Social Work from CSC)	3
PRDV-1010	Achieving College Success	3
	Lab Science GE elective *(see advisor)*	4
	Elective *(see advisor)*	3
	Total Semester Credits	**16**

2nd Semester		Credits
ENGL-1020	English Composition II	3
MATH-2170	Applied Statistics	3
PSYC-1810	Introduction to Psychology	3
	Oral Communication GE elective	3
	Elective (or SW251 HBSE 1 at CSC) *(see advisor)*	3
	Total Semester Credits	**15**

3rd Semester		Credits
ECON-1230	General Economics	3
HIST-2010	American History I or	3
HIST-2020	American History II	
PSYC-2650	Research Methods in Psychology	3
	Elective (or SW252 HBSE 2 at CSC) *(see advisor)*	3
	Elective *(see advisor)*	3
	Total Semester Credits	**15**

4th Semester		Credits
POLS-1000	American Government	3
	Humanities GE electives (2) *(see advisor)*	6
	Elective (or SW331 Child & Family at CSC) *(see advisor)*	3
	Elective *(see advisor)*	3
	Total Semester Credits	**15**
	TOTAL AA Credits	**60**

Surgical Technology

AAS.5109A (63 credits)
Associate of Applied Science
Scottsbluff

The Surgical Technology program offers an Associate of Applied Science degree. 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

At the conclusion of the program, students will be able to:

- 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 15-17credits

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 44 credits

Class		Credits
HLTH-1060	Comprehensive Medical Terminology	3
SURT-1030	Surgical Procedures I	4
SURT-1070	Clinical Practice I	5
SURT-1100	Introduction to Surgical Technology	4
SURT-1100L	Principles & Practices of Surgical Technology Lab I	3
SURT-1125	Pharmacology for the Surgical Technologist	2
SURT-2050	Surgical Procedures II	4
SURT-2050L	Principles & Practices of Surgical Technology Lab II	3
SURT-2080	Clinical Practice II	6
SURT-2090	Clinical Practice III	6
SURT-2210	Professional Development for the Surgical Technologist	2
SURT-2250	Surgical Procedures III	2

Total AAS Requirements 60-61 credits

Recommended Plan of Study

1st Semester (fall – Prerequisites)		Credits
ENGL-1010	English Composition I	3
HLTH-1060	Comprehensive Medical Terminology	3
BIOS-1160	Intro to Human Anatomy & Physiology (with lab)	4
MATH-1010	Intermediate Algebra	3-4
	or	
MATH-1020	Technical Mathematics	3
	or	
BSAD-1500	Business Mathematics	3
	Total Semester Credits	**13-14**

2nd Semester (spring)		Credits
PRDV-1010	Achieving College Success	3
SURT-1030	Surgical Procedures I	4
SURT-1100	Introduction to Surgical Technology	4
SURT-1100L	Principles & Practices of Surgical Technology Lab I	3
	Total Semester Credits	**14**

3rd Semester (summer)		Credits
SPCH-1110	Public Speaking	3
	or	
SPCH-1200	Human Communication	
	Total Semester Credits	**3**

4th Semester (fall)		Credits
SURT-1070	Clinical Practice I	5
SURT-1125	Pharmacology for the Surgical Technologist	2
SURT-2050	Surgical Procedures II	4
SURT-2050L	Principles & Practices of Surgical Technology Lab II	3
	Total Semester Credits	**14**

5th Semester (spring)		Credits
SURT-2080	Clinical Practice II	6
SURT-2090	Clinical Practice III	6
SURT-2210	Professional Development for the Surgical Technologist	2
SURT-2250	Surgical Procedures III	2
	Total Semester Credits	**16**
	TOTAL AAS Credits	**60-61**

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.

Program Outcomes

At the conclusion of the program, students will be able to:

- 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.
- Successfully perform 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

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 to best meet their academic goals.*

Welding Requirements 34 credits

Class		Credits
AMDT-1000	OSHA-10**	1
WELD-1015	Introduction to Welding**	3
WELD-1050	Basic Gas Tungsten Arc Welding***	3

WELD-1120	Gas Metal Arc Welding**	3
WELD-1125	Flux Cored Arc Welding**	3
WELD-1200	Basic Shielded Metal Arc Welding**	3
WELD-1250	Adv Shielded Metal Arc Welding**	3
WELD-1300	Blueprint 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	Adv Gas Tungsten Arc Welding***	3

Elective Credits 8-14 credits

Class		Credit
WELD-1170	Arc Welding & Shop Fabrication	2-3
WELD-2500	Welding Technology Internship	1-3
	Applied Technology electives****	5-8

TOTAL AAS Requirements 60 credits

Diploma

D2.4805 (43 credits)

Students must complete nine (9) credits of general education requirements and 34 credits of core welding requirements for a total of 43 credits. Completion of the 34 core welding credits can be accomplished by earning 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	3

Core Program Requirements 34 credits

Class		Credits
AMDT-1000	OSHA-10**	1
WELD-1015	Introduction to Welding**	3
WELD-1050	Basic Gas Tungsten Arc Welding***	3
WELD-1120	Gas Metal Arc Welding**	3
WELD-1125	Flux Cored Arc Welding**	3
WELD-1200	Basic Shielded Metal Arc Welding**	3
WELD-1250	Adv Shielded Metal Arc Welding**	3
WELD-1300	Blueprint 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	Adv Gas Tungsten Arc Welding***	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 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	Basic Shielded Metal Arc Welding	3
WELD-1250	Adv Shielded Metal Arc Welding	3
	Total Certificate Credits	**16**

Advanced Welding Certificate 18 credits

Class		Credits
WELD-1050	Basic Gas Tungsten Arc Welding	3
WELD-1300	Blueprint 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	Adv Gas Tungsten Arc Welding	3
	Total Certificate Credits	**18**

Course Descriptions by Program

Academic ESL

ESLX-0035
Intermediate English for Academic Purposes

Prerequisite: ACCUPLACER®, TOEFL, or ACT scores

This course is for students with some background in English. Students receive instruction and guided study in preparation for success at the college level. The course emphasizes communication on a broad range of topics as well as the development of strategies for effective communication. Upon successful completion of the course, the student qualifies for placement in ENGL-0050 and ENGL-0070 or ENGL-1010.

(6/90/0/0/0/0/0/0/0/0/0)

Accounting

ACCT-1200
Principles of Accounting I

This course is designed to provide introductory knowledge of financial accounting principles, concepts, and practices. Topics include the balance sheet, income statement, statement of equity, statement of cash flows, journals, ledgers, accruals, adjusting and closing entries, internal controls, inventories, fixed and intangible assets, liabilities, equity, and financial statement analysis.

(3/45/0/0/0/0/0/0/0/0/0)

ACCT-1210
Principles of Accounting II

Prerequisite: ACCT-1200

This course is a continuation of ACCT-1200 and covers cost relationship, statement analysis, and other accounting techniques used for management purposes and decision making.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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 federal and state taxes.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

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. 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 associates 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)

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)

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 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)

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)

ARTS-1050
Introduction to Art History & Criticism I

Satisfies a humanities requirement for associates 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)

ARTS-1060
Introduction to Art History & Criticism II

Satisfies a humanities requirement for associates 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)

ARTS-1200
Clay Animation

Claymation is a project-based course that covers 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.

(3/30/0/0/0/0/30/0/0/0/0)

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.

(3/30/0/0/0/0/30/0/0/0/0)

ARTS-1580
Drawing II

Prerequisite: ARTS-1550

This course is a continuation of ARTS-1550 with emphasis on implementing the knowledge and experience acquired previously to create works that demonstrate expertise in drawing. It will further develop and refine drawing techniques and concepts, as well as 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.

(3/30/0/0/0/0/30/0/0/0/0)

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.

(3/30/0/0/0/0/30/0/0/0/0)

ARTS-1680
Beginning Watercolor Painting

Prerequisite: ARTS-1550 or instructor consent

This course is a study of the watercolor medium of 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 will be required to complete assignments.

(3/30/0/0/0/0/30/0/0/0/0)

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.

(3/30/0/0/0/0/30/0/0/0/0)

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.

(3/30/0/0/0/0/30/0/0/0/0)

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.

(3/30/0/0/0/0/30/0/0/0/0)

ARTS-2460

Sculpture I

Prerequisite: ARTS-1580 or instructor consent

This course introduces 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.

(3/30/0/0/0/0/30/0/0/0/0)

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.

(3/30/0/0/0/0/30/0/0/0/0)

Automotive Technology

AUTO-1000

Introduction 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.

(3/15/0/90/0/0/0/0/0/0/0)

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.

(3/20/0/75/0/0/0/0/0/0/0)

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.

(3/20/0/75/0/0/0/0/0/0/0)

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.

(2/15/0/45/0/0/0/0/0/0/0)

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.

(2/30/0/0/0/0/0/0/0/0/0)

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.

(2/30/0/0/0/0/0/0/0/0/0)

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.

(2/30/0/0/0/0/0/0/0/0/0)

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.

(4/30/0/90/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 using 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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(4/45/0/50/0/0/0/0/0/0/0)

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.

(1/15/0/0/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 the use in troubleshooting modern fuel systems related problems.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 receive one (1) credit for each 60 credits worked up to three (3) credits.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

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 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.

(3/15/0/90/0/0/0/0/0/0/0)

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.

(3/15/0/90/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3.5/37.5/0/45/0/0/0/0/0/0/0)

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.

(3.5/45/0/22.5/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 preventions. Provides an overview of cleaning agents and their use with various materials and how to apply protective coatings.

(3.5/37.5/0/45/0/0/0/0/0/0/0)

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.

(4.5/52.5/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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)

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)

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)

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)

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)

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)

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)

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)

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)

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)

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)

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)

AVIA-1302

Airframe Systems II

This course introduces 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)

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)

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)

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)

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.

(4/48.75/0/33.75/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 re-assemble the engine for block testing.

(4/37.5/0/67.5/0/0/0/0/0/0/0)

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.

(4/45/0/45/0/0/0/0/0/0/0)

AVIA-2500

Aviation Internship

The internship is a cooperative agreement with WNCC 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.

(3/0/0/0/0/0/0/0/0/0/180)

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.

(4/45/0/45/0/0/0/0/0/0/0)

AVIA-2502

Powerplant Systems II

This course covers how to use appropriate data to determine airworthiness of 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.

(4.5/45/0/67.5/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(1.5/15/0/22.5/0/0/0/0/0/0/0)

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.

(3.5/37.5/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

Biological Sciences

BIOS-1000
Basic Nutrition

This course is intended for students who need to learn basic nutritional information. Included are the basic nutrients and their functions, food sources, and the effect of deficiencies.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

BIOS-1380L
General Zoology Lab

Co-requisite: BIOS-1380

BIOS-2000
Introduction to Scientific Research

Prerequisite: BIOS-1010, CHEM-1090, 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)

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)

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)

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)

BIOS-2120L

Genetics Lab

Co-requisite: BIOS-2120

BIOS-2250

Human Anatomy & Physiology I

Prerequisite: BIOS-1010

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)

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)

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)

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.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

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)

BSAD-1100
Personal Finance

In this course, students are introduced to the basics of financial applications in the areas of financial planning (personal finance, financial statements, tools, budgets; and smart money decisions); money management (managing income taxes, checking, and savings accounts); building and maintaining good credit; FICO and credit reports; credit cards and loans; vehicle and other major purchases; affordable housing; income and asset protection (managing risk with insurance, health care expenses, and life insurance planning); and investment fundamentals (stocks and bonds, ETFs, real estate, retirement, and estate planning).

(3/45/0/0/0/0/0/0/0/0/0)

BSAD-1210
Business Communications

Prerequisite: PRDV-1010 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, and the employment process is covered. Keyboarding skills are recommended.

(3/45/0/0/0/0/0/0/0/0/0)

BSAD-1500
Business Mathematics

Prerequisite: MATH-0070 or ACCUPLACER® (or other appropriate placement test)

This course focuses on a review of fundamental operations (decimals, fractions, and percentages) with business applications. Students will perform calculations related to accounting (banking, payroll, taxes, and insurance); interest (installment purchases, promissory notes and discounting, and simple and compound interest); business (inventory and turnover, depreciation, and financial statements); and corporate and special applications (stocks, bonds, and statistics).

(3/45/0/0/0/0/0/0/0/0/0)

BSAD-2100
Managerial Finance

Co-requisite: ACCT-1210

Designed to provide the student with the basic knowledge of finance, this course 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)

BSAD-2220
Supervisory Management

This course provides students with an understanding of the management functions supervisors must perform. Students will receive solid theory and practical

application that reinforces the theme that the essence of supervisory management is working with and through people. Through comprehensive case study and illustration, students will examine the interrelationship of key management concepts.

(3/45/0/0/0/0/0/0/0/0/0)

BSAD-2340
Office Management

In this course the student will demonstrate the characteristics and personal qualities important in administrative office management. Students will learn about employer-employee expectations, projecting professional images, ethics, workplace teams, and communication skills. Workplace skills with document preparation will also be covered.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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 also introduces the concepts of business ethics, provides an overview of major ethical issues that businesses face today, and discusses moral philosophy through an understanding of classical and contemporary ethical theories.

(3/45/0/0/0/0/0/0/0/0/0)

BSAD-2500
Business Law I

This course is 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 area of contracts—offer, acceptance, consideration, illegality, interpretation, transfer of rights, discharge, and breach of contract—is discussed.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

BSAD-2540
Principles of Management

This course introduces management theory and practice with an emphasis on the primary functions of planning, organizing, leading, and controlling. Topics will include the ever-changing challenges and opportunities within the management field.

(3/45/0/0/0/0/0/0/0/0/0)

BSAD-2600
International Business

This course provides a broad overview of the field of international business and associated activity and theory. Students are introduced to the essential factors that influence global commerce including the global economic and financial environment, international institutions, trade policy issues, major international environmental forces (e.g., financial, economic, socioeconomic, physical, socioeconomic, political, legal, etc.), and strategic management issues related to doing business in the international environment.

(3/45/0/0/0/0/0/0/0/0/0)

Business Technology

BSTC-2500
Office Internship

Work experience is an important part of any educational program. The 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 and receive one (1) credit for each 60 credits worked up to three (3) credits.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

CHEM-1090L
General Chemistry I Lab

Co-requisite: CHEM-1090

CHEM-1100
General Chemistry II

Prerequisite: CHEM-1090

Co-requisite: CHEM-1100L

This course is a study of rates of reaction, chemical equilibria, environmental chemistry, thermodynamics, electrochemistry, and nuclear chemistry.

(4/45/30/0/0/0/0/0/0/0/0)

CHEM-1100L
General Chemistry II Lab

Co-requisite: CHEM-1100

CHEM-2510
Organic Chemistry I

Prerequisite: CHEM-1100

Co-requisite: CHEM-2510L

This course is a study of the fundamentals of organic chemistry with emphasis on nomenclature, structure, stereochemistry, physical properties, and reactions and reaction mechanisms for the various series of aliphatic and aromatic compounds.

(4/45/30/0/0/0/0/0/0/0/0)

CHEM-2510L
Organic Chemistry I Lab

Co-requisite: CHEM-2510

CHEM-2520
Organic Chemistry II

Prerequisite: CHEM-2510

Co-requisite: CHEM-2520L

This course is a continuation of CHEM-2510.

(4/45/30/0/0/0/0/0/0/0/0)

CHEM-2520L
Organic Chemistry II Lab

Co-requisite: CHEM-2520

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)

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)

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)

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)

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)

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 topcoats 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)

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)

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)

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)

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)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 some basic air brush techniques. This course will also cover TRI-STAGE paint systems.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 hours worked and receive one (1) credit for each 60 credits worked up to three (3) credits.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

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 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.

(3/15/0/90/0/0/0/0/0/0/0)

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 AUTB-2700 and AUTO-2700.

(3/15/0/90/0/0/0/0/0/0/0)

Criminal Justice

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1/15/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2030

Police & Society

This course examines 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-community relations.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1/0/0/0/0/0/0/0/0/0/60)

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.

(2/0/0/0/0/0/0/0/0/0/120)

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.

(3/0/0/0/0/0/0/0/0/0/180)

CRIM-2080
Criminal Procedure

This course is a study of the legal limitations within the criminal justice system as contained in the Fourth, Fifth, and Sixth Amendments to the Constitution.

(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2110
Juvenile Justice

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.

(3/45/0/0/0/0/0/0/0/0/0)

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, or other issues of current interest.

(3/45/0/0/0/0/0/0/0/0/0)

CRIM-2200
Criminology

This course examines crime and criminology from a broad social perspective. Emphasis is on 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-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 if 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)

Diesel, Truck, and Heavy Equipment Technology

DSLT-1010
Basic Shop Skills

This course introduces the student to shop and crane safety, basic shop operations, tool identification and maintenance, and industry terminology. Industry specific hardware and fasteners will also be covered.

(2/22.5/0/22.5/0/0/0/0/0/0/0)

DSLT-1050
Brake Systems

This course covers braking systems used in diesel, truck, and heavy equipment. Emphasis is placed on hydraulic, air, disc, and drum braking system principles, operation, diagnosis, and service.

(3/15/0/90/0/0/0/0/0/0/0)

DSLT-1110
Diesel Engines I

This course provides foundational knowledge for types of diesel engines, fuel systems, and electronic controls. Principles of engine operation and component identification are emphasized. Non-diesel engines used in industry applications are also introduced.

(3/37.5/0/22.5/0/0/0/0/0/0/0)

DSLT-1150
Electrical I

This course provides the fundamentals of electricity, electrical systems, and testing as they apply to diesel trucks and diesel construction and agriculture equipment.

(2/22.5/0/22.5/0/0/0/0/0/0/0)

DSLT-1210
Essential Professional Skills

This course covers professional skills needed in today's industry. Customer service and interpersonal skills are covered as are essential skills in communication, time management, and overall industry professionalism.

(2/30/0/0/0/0/0/0/0/0/0)

DSLT-1250
Powertrain

This course covers transmissions, transmission types, electronic controls, clutches, differentials and axels, and related drive-train components including maintenance and service. Non-drive train power distribution is also discussed.

(4/30/0/90/0/0/0/0/0/0/0)

DSLT-1350
Safety and Emergency Response

This course provides classroom learning experiences to develop the basic knowledge required to maintain a safe workplace. The course will also include training to prepare the student to test for first aid, AED, and CPR certification.

(1/15/0/0/0/0/0/0/0/0/0)

DSLT-2010
Suspension, Steering, and Alignment

This course focuses on suspension, steering, and wheel alignment used in medium/heavy truck, commercial, and agricultural vehicles. Emphasis is placed on front and rear suspension, wheel balancing, spring and shock absorbers, steering systems (manual and power assist), and wheel alignment.

(3/30/0/45/0/0/0/0/0/0/0)

DSLT-2110
Diesel Engines II

Prerequisite: DSLT-1110

This course provides in-depth coverage of diesel engine disassembly, inspection, repair, and reassembly. Testing, adjusting, and a test run of the rebuilt engine are performed.

(3/15/0/90/0/0/0/0/0/0/0)

DSLT-2150
Electrical II

Prerequisite: DSLT-1150

This course builds upon DSLT-1150 to further develop basic and advanced knowledge, skills, and steps needed to effectively diagnose and repair multiplexed wiring systems.

(3/30/0/45/0/0/0/0/0/0/0)

DSLT 2200
Electronics
Prerequisite: DSLT-2150

This course builds upon DSLT-2150 to provide an in-depth knowledge of diagnosis and repair of the electrical systems and sub-systems used in today's diesel trucks and heavy equipment.

(2/15/0/45/0/0/0/0/0/0/0)

DSLT-2250
Emissions
Prerequisite: DSLT-2150

Co-requisite: DSLT-2200

This course is designed to focus on electrical, fuel, and mechanical systems and sub-systems related to maintaining emission standards and attaining regulatory compliance.

(2/22.5/0/22.5/0/0/0/0/0/0/0)

DSLT-2350
Hydraulics
Prerequisite: DSLT-1250

This class introduces the hydraulic fundamentals used in heavy equipment and information regarding hydraulic valves and circuits. Hydraulic automatic and hydrostatic transmission fundamentals are also covered, as well as basic information about hydraulic sub-systems.

(2/22.5/0/22.5/0/0/0/0/0/0/0)

DSLT-2500
Diesel Technology Internship
Prerequisite: Successful completion of 14 credits of diesel 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.

(3/0/0/0/0/0/0/0/0/0/180)

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.

(3/30/45/0/0/0/0/0/0/0/0)

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 to solid modeling, assembly design, and drawing production.

(3/30/45/0/0/0/0/0/0/0/0)

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.

(3/30/45/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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 childcare education and 120 credits of experience working with children, which could be used towards CDA certification.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

ECED-1110

Infant/Toddler Development

This course focuses on 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.

(2/30/0/0/0/0/0/0/0/0/0)

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 workplace.

(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.

(2/0/0/0/0/0/0/0/0/90/0)

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.

(2/0/0/0/0/0/0/0/0/90/0)

ECED-1260

Early Childhood Health, Safety, and Nutrition

This course focuses on the interrelationship of health, safety, and nutrition in early childhood from birth to age eight. It will examine how environmental factors affect children's growth and development throughout early childhood. Promoting a safe and healthy learning environment and ways to teach these concepts to young children will be explored. This course will also explore the effective control and management of communicable diseases and acute illness that can be found in early childhood environments. Nutritional guidelines as well as child abuse and neglect will also be examined.

(3/45/0/0/0/0/0/0/0/0/0)

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)

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 childcare 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.

(1/15/0/0/0/0/0/0/0/45/0)

ECED-1630

Preschool Practicum

Pre- 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.

(1/15/0/0/0/0/0/0/0/45/0)

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.

(1/15/0/0/0/0/0/0/0/45/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

Economics

ECON-1230
General Economics

Satisfies a social science requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

ECON-2110
Principles of Macroeconomics

Satisfies a social science requirement for associates 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)

ECON-2120
Principles of Microeconomics

Satisfies a social science requirement for associates 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)

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 in terms of history, philosophy, finance, and governance. It encourages critical thought regarding 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. Ten hours of observation in classrooms are required.

(3/45/0/0/0/0/0/0/0/0/0)

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)

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)

EDUC-2110

Children's Literature

Prerequisite: ENGL-1010

Cross-listed as ENGL-2110

Satisfies a humanities requirement for associates 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 they learn to select and evaluate appropriate materials for individual and group needs and interests.

(3/45/0/0/0/0/0/0/0/0/0)

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)

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)

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

Co-requisites: EMSP-2050, EMSP-2100, and EMSP-2400

This course provides the classroom experiences 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.

(3/37.5/15/0/0/0/0/0/0/0/0)

EMSP-2050

Pathophysiology, Pharmacology, and Airway Management

Co-requisites: EMSP-2000, EMSP-2100, and EMSP-2400

This is the second of eight lecture courses designed for students with an EMT license who wish to progress to the paramedic level of practice. The course provides learning experiences to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. Course content will focus on pathophysiology, emergency pharmacology, intravenous access and medication administration, and airway management and ventilation.

(4/52.5/15/0/0/0/0/0/0/0/0)

EMSP-2100

Patient Assessments

Pre- or Co-requisite: EMSP-2000

Co-requisites: 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. Course content focuses on the various components of patient assessment including therapeutic communication, history taking, scene evaluation, primary and secondary assessment, reassessment, and clinical decision making.

(3/37.5/15/0/0/0/0/0/0/0/0)

EMSP-2150

Pulmonology and Cardiology

Prerequisites: EMSP-2000, EMSP-2100. and EMSP-2050

Co-requisites: EMSP-2200, EMSP-2250, and EMSP-2500

This course provides classroom experiences to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. The 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.

(4/52.5/15/0/0/0/0/0/0/0/0)

EMSP-2200

Medical Emergencies

Prerequisites: EMSP-2000, EMSP-2050, and EMSP-2100

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. This course will focus on medical emergencies paramedics will encounter.

(4/52.5/0/22.5/0/0/0/0/0/0/0)

EMSP-2250

Trauma Emergencies

Prerequisites: EMSP-2000, EMSP-2050, and EMSP-2100

Co-requisites: EMSP-2150, EMSP-2200, and EMSP-2500

This course provides classroom experiences necessary to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. This course focuses on trauma emergencies. It 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

Prerequisites: EMSP-2150, EMSP-2200, and EMSP-2250

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. This course will conclude the focus on trauma emergencies and will shift to special considerations in paramedicine: 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

Prerequisites: EMSP-2150, EMSP-2200, and EMSP-2250

Co-requisites: EMSP-2300 and EMSP-2600

This course provides learning experiences to develop the knowledge, critical thinking skills, and professionalism expected of the entry-level paramedic. Course content 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.

(3/37.5/15/0/0/0/0/0/0/0/0)

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.

(5/0/0/0/0/0/0/0/0/225/0)

EMSP-2500
Paramedic Clinical II

Prerequisites: EMSP-2000, EMSP-2050, and EMSP-2100

Co-requisites: EMSP-2150, EMSP-2200, and EMSP-2250

This is the second course in 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.

(5/0/0/0/0/0/0/0/0/225/0)

EMSP-2600
Paramedic Clinical III

Prerequisites: EMSP-2150, EMSP-2200, and EMSP-2250

Co-requisites: 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. The student must function as the team-lead on a minimum of 20 EMS calls.

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.

(5/0/0/0/0/0/0/0/0/225/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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 the computer assignments are written in MATLAB.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/30/30/0/0/0/0/0/0/0/0)

ENGR-1700
STEM Connect Seminar

Cross-listed with INFO-1700

Prerequisite / Co-requisite: PRDV-1010

This seminar course is required for students in the STEM Connect scholarship program. The seminar covers success in college strategies, Individualized Education and Career Plans (IECPs), career options in IT and engineering, time management, goal setting, teamwork, research skills, ethics, problem solving, service learning, mentoring, and oral/written communication specific to the STEM environment. The course is required each semester that a student receives a STEM Connect scholarship. It is offered pass/fail only.

(0/15/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

ENGR-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)

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.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

English

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-0030 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: 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, practice comprehension skills, and increase vocabulary.

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-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, ESLX-0035, or ACCUPLACER® (or other appropriate placement exam)

This course offers instructional practice in the techniques of effective writing. The process of planning, writing, revising, and editing essays for specific 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.

(3/45/0/0/0/0/0/0/0/0/0)

ENGL-2050

American Literature, 1620-1865

Prerequisite: ENGL-1010

Satisfies a humanities requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

ENGL-2110

Children's Literature

Prerequisite: ENGL-1010

Cross-listed as EDUC-2110

Satisfies a humanities requirement for associates 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 they learn to select and evaluate appropriate materials for individual and group needs and interests.

(3/45/0/0/0/0/0/0/0/0/0)

ENGL-2130

Survey of English Literature I

Prerequisite: ENGL-1010

Satisfies a humanities requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

ENGL-2160

Survey of English Literature II

Prerequisite: ENGL-1010

Satisfies a humanities requirement for associates degree

This course is a continuation of ENGL-2130, beginning with the 18th century and extending to the present time. The course is a study of literary works and the times in which they occurred, with emphasis on the philosophical background of each period so that the individual literary work can be better understood and placed in perspective.

(3/45/0/0/0/0/0/0/0/0/0)

ENGL-2170
American Literature, 1865-Present
Prerequisite: ENGL-1010

Satisfies a humanities requirement for associates degree

This survey of American literature introduces students to some of the important voices as well as literary, artistic, and cultural movements in the United States. Students will develop skills to critically read, understand, and assess a variety of literary works from different historical periods, ethnic communities, and genres.

(3/45/0/0/0/0/0/0/0/0/0)

ENGL-2190
The Novel
Prerequisite: ENGL-1010

Satisfies a humanities requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

Finance

FINA-2500
Finance Internship
Pre- 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 may be compensated for their work and receive college credit.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

French

FREN-1010
Elementary French I
Satisfies a humanities requirement for associates degree

This course introduces the fundamentals of the French language. Comprehension, pronunciation, speaking, listening, reading, writing, and vocabulary are emphasized. The course reviews nouns, adjectives, and present tense, as well as a study of the cultural diversity of French-speaking countries. Technology is incorporated into the class to enhance skills, and the course emphasizes an interactive, proficiency-oriented approach to learning language and culture.

(5/75/0/0/0/0/0/0/0/0/0)

Geology

GEOL-1010
Physical Geology
Co-requisite: GEOL-1010L

This course is an exploration of the origin of Earth materials, structures, and landforms. An emphasis is placed on the scientific methods important to understanding the Earth and its processes.

(4/45/30/0/0/0/0/0/0/0/0)

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. 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)

Health Information Technology

HIMS-1250

Introduction to Health Information Management

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

Healthcare Delivery Systems

Prerequisite: HIMS-1250

This course serves as an orientation to the organization of the healthcare industry and current trends in healthcare delivery systems. Issues related to accreditation standards, licensing, and government regulations are included.

(2/30/0/0/0/0/0/0/0/0/0)

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 and ethical principles related to patient care and health information, legal terminology and procedures, court systems, and liability of healthcare 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.

(3/45/0/0/0/0/0/0/0/0/0)

HIMS-2100

Coding ICD

Prerequisites: BIOS-1160 or LPNR-1110, HIMS-1250, and HLTH-1060

Co-requisites: HIMS-1410 and 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, HIMS-1250, and HLTH-1060

Co-requisites: HIMS-1410 and HIMS-2100, or instructor consent

HIMS-2150
Coding CPT

Prerequisites: BIOS 1160 or LPNR 1110, and 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 or LPNR 1110, and 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 and language of healthcare reimbursement. 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

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 higher) 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 instructor consent

Co-requisites: HIMS-2330L and HIMS-2730

This course examines, through literature review and hands-on lab experiences, the foundations of 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)

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)

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)

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)

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 health care 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)

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. Faculty and healthcare facility staff guide students in accomplishing the objectives set forth in the *Professional Practice Experience Handbook*.

(2/0/0/0/0/0/0/0/0/90/0)

HIMS-2760

Professional Practice Experience II

Prerequisite: HIMS-2730

Co-requisites: HIMS-2340 and HIMS-2340L

The course is designed to help the student gain the entry-level competencies set forth by the American Health Information Management Association (AHIMA) and is a continuation of HIMS-2730. The student is given more advanced health information management experience both in an acute-care facility and alternate healthcare settings, such as nursing homes, ambulatory clinics, physician offices, and hospice agencies. Faculty and healthcare facility staff will guide students in accomplishing the objectives set forth in the *Professional Practice Experience Handbook.*

(2/0/0/0/0/0/0/0/0/90/0)

Health Occupations

HLTH-1060

Comprehensive Medical Terminology

This course establishes a solid foundation of prefixes, suffixes, word roots, abbreviations, medical terms, and symbols. It emphasizes understanding the medical vocabulary as it applies to the anatomy, physiology, pathology, and diagnostic and therapeutic procedures of all the human body systems.

(3/45/0/0/0/0/0/0/0/0/0)

HLTH-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 hours 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.

(4.5/45/45/0/0/0/0/0/0/0/0)

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.

(3/37.5/15/0/0/0/0/0/0/0/0)

HLTH-2500

Pre-Medicine Internship

Prerequisite: BIOS-1010 or permission of instructor

Work experience is an important part of any educational program. This internship is intended to give pre-medicine students experience in solving real world problems while working under the supervision of an employer and instructor. Students earn one (1) college credit for every 60 hours worked up to three (3) credits.

(1-3/0/0/0/0/0/0/0/0/0/0/60-180)

History

HIST-2010

American History I

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)

Satisfies a social science requirement for associates 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 arise in the development of the American nation.

(3/45/0/0/0/0/0/0/0/0/0)

HIST-2020

American History II

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)

Satisfies a social science requirement for associates 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)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

HIST-2060

History of Nebraska

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

Satisfies a social science requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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 associates degree

The social, economic, political, philosophical, and aesthetic advancement of humankind from ancient times through the medieval period is examined in this course.

(3/45/0/0/0/0/0/0/0/0/0)

HIST-2110

World Civilization (1500 AD - Present)

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

Satisfies a humanities requirement for associates degree

The social, economic, political, philosophical, and aesthetic advancement of humankind from the medieval period to the present is examined in this course.

(3/45/0/0/0/0/0/0/0/0/0)

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 can explore career opportunities and gain practical work experience that will 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 can explore career opportunities and gain practical work experience that will 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-2580

History of the American West

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement exam)

Satisfies a social science requirement for associates 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 European 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)

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)

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)

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)

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)

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)

HUSR-2500

Human Service Work Internship

Prerequisite: HUSR-2800; cumulative GPA of 2.0

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 and will receive one (1) credit for each 60 hours worked to earn three (3) credits.

(3/0/0/0/0/0/0/0/0/0/180)

HUSR-2530

Clinical Treatment Issues

Students in this course will receive an education in the treatment issues specific to substance use disorders including the role of denial, resistance, minimization, family dynamics, relapse, cross-addiction, co-occurring disorders, spirituality, and the influence of self-help groups. There is a review of the drugs of misuse and their effects. The unique treatment needs of individuals based

on gender, culture, lifestyle, and past experiences, including trauma, will also be discussed.

(3/45/0/0/0/0/0/0/0/0/0)

HUSR-2800

Human Service Worker Practicum

Prerequisite: HUSR-1620 and HUSR-2000; cumulative GPA of 2.0

Work experience is an important part of any educational program. This practicum is intended to give students extended experience in solving real world problems while working under the supervision of an employer and 2500instructor. Students will not be compensated for the credits worked and will receive one (1) credit for 15 credits of in class time and one (1) credit for each 45 credits of out of class work completed for a total of four (4) credits.

(4/15/0/0/0/0/0/0/0/135/0)

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-0065, ENGL-1000, or ACCUPLACER® (or other appropriate placement test)

Satisfies a humanities requirement for associates degree

This survey course focuses on art, music, theatre, film, dance, literature, architecture, history, philosophy, and other cultural expressions. It examines the unfolding of global humanistic traditions 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.

(3/45/0/0/0/0/0/0/0/0/0)

HUMS-2980

Global Study Experience

Prerequisite: Completion of orientation prior to departure

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 relevant topics. The course involves a short-term global study experience with additional fees for travel.

(1-3/7.5-22.5/22.5-67.5/0/0/0/0/0/0/45-135/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1/15/0/0/0/0/0/0/0/0/0)

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.

(1/15/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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, which can also be accepted as equivalent for this class. The CompTIA A+ software and hardware exams are both required for A+ certification.

(3/45/0/0/0/0/0/0/0/0/0)

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, which can also be accepted as equivalent for this class.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-1250
HTML

This course provides a foundation for creating, designing, and publishing content on the web. Topics include current web technologies such as HTML, CSS, and JavaScript; web development; debugging; version control; and website administration. Contemporary frameworks, dynamically generated websites, and database-drive websites are introduced.

(3/45/0/0/0/0/0/0/0/0/0)

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. This course prepares students for further study in computer science, cybersecurity, GIS, science, and engineering.

(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, Unity games, and database applications. 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 CompTIA Network+ certification exam, which can also be accepted as equivalent for this class.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-1510

Introduction to Robotics

Students utilize off-the-shelf robotic kits to design, build, and program robots to interact with the real world. The study of robotics allows students to see their code in motion. The course teaches the student how mechanical, electronic, and software components interact within a mechatronic system. Previous programming experience is not required.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-1700

STEM Connect Seminar

Cross-listed with ENGR-1700

Pre- or Co-requisite: PRDV-1010

This seminar course is required for students in the STEM CONNECT scholarship program. The seminar covers success in college strategies, individualized education and career plans (IECPs), career options in IT and engineering, time management, goal setting, teamwork, research skills, ethics, problem solving, service learning, mentoring, and oral/written communication specific to the STEM environment. The course is required each semester that a student receives a STEM CONNECT scholarship. It is offered pass/fail only.

(0/15/0/0/0/0/0/0/0/0/0)

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 (RDMS) design, implementation, and management. Included topics are E-R diagrams, Structured Query Language (SQL), queries, tables, schema, and normalization. Students will create a real-world application using a RDMS. 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

Prerequisite: MATH-1010 or ACCUPLACER® (or other appropriate placement test) and INFO-1360, INFO-1255, or INFO-1510

This course is a study of computer programming, problem solving methods, and accepted software engineering practices using high-level programming language such as Python, Java, or C++. Topics include the fundamentals of procedural and object-oriented programming, shared code development, version control systems, and current software engineering practices. 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 using a high-level programming language such as Python, Java, or C++. Topics include class and object development, object-oriented design, GUI, data abstraction, and current software engineering practices. This class prepares the student for further study in computer science.

(3/45/0/0/0/0/0/0/0/0/0)

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 Security+ certification exam, which can also be accepted as equivalent for this class.

(3/45/0/0/0/0/0/0/0/0/0)

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 server-based network.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

INFO-2600

Cybersecurity Essentials

Pre- or co-requisites: INFO-1241 and INFO-1400

This course introduces 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.

(3/45/0/0/0/0/0/0/0/0/0)

INFO-2650

Ethical Hacking and Network Defense

Prerequisites: INFO-1241 and INFO-1400

This course provides an in-depth understanding of how to effectively protect computer networks. Students will learn the tools, penetration testing, and network defense methodologies used by ethical hackers. In addition, the course provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyberattacks. The course will demonstrate how to locate, and research updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. There is an overview of federal and state computer crime laws, as well as penalties for illegal computer hacking.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/0/0/0/0/0/0/0/0/0/180)

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 may be compensated for their work and receive college credit.

(3/0/0/0/0/0/0/0/0/0/180)

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 may be compensated for their work and receive college credit.

(3/0/0/0/0/0/0/0/0/0/180)

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)

MATH-0070L

Basic Mathematics Lab

Co-requisite: MATH-0070

MATH-M0070

Modular Basic Mathematics

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. MATH-M0070 learning outcomes are equivalent to those of MATH-0070. Students progress through the modules at their own pace.

(3/45/0/0/0/0/0/0/0/0/0)

MATH-0160

Introductory Algebra

Prerequisite: MATH-0070, MATH-M0070, 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)

MATH-M0160

Modular Introductory Algebra

Prerequisite: MATH-0070 or successful completion of MATH-M0070

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. MATH-M0160 learning outcomes are equivalent to those of MATH-0160. Students progress through the modules at their own pace.

(3/45/0/0/0/0/0/0/0/0/0)

MATH-1010

Intermediate Algebra

Prerequisite: MATH-0160, MATH-M0160, 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-M1010

Modular Intermediate Algebra

Prerequisite: MATH-0160 or successful completion of MATH-M0160

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. MATH-M1010 learning outcomes are equivalent to those of MATH-1010. Students progress through the modules at their own pace.

(3/45/0/0/0/0/0/0/0/0/0)

MATH-1020

Technical Mathematics

Prerequisite: MATH-0070, MATH-M0070, 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, MATH-M1010, 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, MATH-M1010, 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 understand the conceptual aspects of mathematics rather than a need 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)

MATH-1180

Math for Elementary Teachers

Prerequisite: MATH-1010, MATH-M1010, 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)

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)

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)

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)

MATH-2170

Applied Statistics

Prerequisite: MATH-1010, MATH-M1010, 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)

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)

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)

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)

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 introduces the student to the profession and 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.

(2.5/0/0/0/0/0/0/0/0/112.50/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(3/0/0/0/0/0/0/0/0/135/0)

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.

(2/0/0/0/0/0/0/0/0/90/0)

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.

(2/0/0/0/0/0/0/0/0/90/0)

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.

(3/0/0/0/0/0/0/0/0/135/0)

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.

(3/0/0/0/0/0/0/0/0/135/0)

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.

(3/0/0/0/0/0/0/0/0/135/0)

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 weekly attendance and performance, 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.

(0/0/0/0/0/0/0/15/0/0/0)

MUSC-1010

Music Appreciation (Introduction to Music)

Satisfies a humanities requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

MUSC-1015I

Introduction to Woodwind Instruments

This course is designed for students who are beginning to play a woodwind instrument or a non-degree seeking student with beginning, intermediate, or advanced skills 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.

(1/0/0/0/0/0/0/15/0/0/0)

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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

MUSC-1040I

Introduction to Brass Instruments

This course is designed for students who are beginning to play a brass instrument or for the beginning, intermediate, or advanced non-degree seeking student 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.

(1/0/0/0/0/0/0/15/0/0/0)

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 or 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 program or the AA music education program or for non-music majors that meet proficiency standards in a brass instrument after successfully completion MUSC-1040. 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1050P
Applied Music: Brass Instruments Performance II

Prerequisite: MUSC-1040P

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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

MUSC-1060I
Introduction to String Instruments

This course is designed for students who are beginning to play a string instrument or for the beginning, intermediate, or advanced non-degree seeking student interested in learning string fundamentals before moving on to MUSC-1060. 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-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 or for non-music majors that meet proficiency standards in a string 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1070P

Applied Music: String Instruments Performance II

Prerequisite: MUSC-1060P 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 leaned 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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

MUSC-1090I

Introduction to Percussion Instruments

This course is designed for students who are beginning to play a percussion instrument or for the beginning, intermediate, or advanced non-degree seeking student interested in learning percussion instrument fundamentals before moving on to MUSC-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 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-1090

Applied Music: Percussion 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 or 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 MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1090P

Applied Music: Percussion 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. 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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

MUSC-1100

Applied Music: Percussion II

Prerequisite: MUSC-1090

Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music program or the AA music education program or 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 MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1100P

Applied Music: Percussion Instruments Performance II

Prerequisite: MUSC-1090P

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

MUSC-1110

Keyboarding Skills I

Prerequisite: Instructor consent

This is the first semester of a four-semester sequence for the beginning piano student and introduces the student 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.

(1/0/0/0/0/0/0/15/0/0/0)

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 introduces the student 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.

(1/0/0/0/0/0/0/15/0/0/0)

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.

(1/0/0/0/0/0/0/15/0/0/0)

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.

(1/0/0/0/0/0/0/15/0/0/0)

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 transcripted 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 non-degree seeking student with beginning, intermediate, or advanced piano skills who are 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 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-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 or 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 schedules. 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 clefs. Meeting times are arranged to fit the student's and instructor's schedules. Students must pass co-requisite MUSC-1000 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 or 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 schedules. 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 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 clefs. Meeting times are arranged to fit the student's and instructor's schedules. Students must pass co-requisite MUSC-1000 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 use 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 or 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 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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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.

(1/0/0/0/0/45/0/0/0/0/0)

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 four (4) semesters for credit.

(1/0/0/0/045/0/0/0/0/0)

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.

(1/0/0/0/0/45/0/0/0/0/0)

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.

(1/0/0/0/0/45/0/0/0/0/0)

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.

(1/0/0/0/045/0/0/0/0/0)

MUSC-1370I
Introduction to Guitar

This course is designed for students who are beginning to play guitar or a non-degree seeking student with beginning, intermediate, or advanced skills 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.

(1/0/0/0/0/0/0/15/0/0/0)

MUSC-1370
Applied Music: Guitar I

Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music program or the AA music education program or 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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

MUSC-1420

American Popular Music

Prerequisite: ENGL-0050 or ACCUPLACER® (or other appropriate placement exam)

Satisfies a humanities requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1/0/30/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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 MSUC-1475. It will emphasize keyboard application, sight singing, and rhythmic performance.

(1/0/30/0/0/0/0/0/0/0/0)

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 or 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules.

Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. The focus is on snare drum, two and four mallet keyboards, multiple percussion, timpani,

and drum set. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. The focus is on snare drum, two and four mallet keyboards, multiple percussion, timpani, and drum set. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

MUSC-2130

Applied Music: Piano IV

Prerequisite: MUSC-2120

Co-requisite: MUSC-1000

This course is designed for students who are in the AFA music program or the AA music education program or 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 schedules. 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 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 clefs. Meeting times are arranged to fit the student's and instructor's schedules. Students must pass co-requisite MUSC-1000 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 or 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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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.

(2/0/0/0/0/0/0/30/0/0/0)

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 or 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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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' schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(1/0/0/0/0/0/0/15/0/0/0)

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 schedules. Students must pass co-requisite MUSC-1000 to receive a passing grade in applied lessons.

(2/0/0/0/0/0/0/30/0/0/0)

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)

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)

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 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 their 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)

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 their 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.

(0.5/0/22.5/0/0/0/0/0/0/0/0)

ADNR-1112

Fundamentals of Nursing Practice

Prerequisites: Admission to the AD-N program and BIOS-2050 (may be taken concurrently)

Co-requisites: ADNR-1112L, ADNR-1132, ADNR-1160, and ADNR-1160L

This theory/lab/clinical course is an introduction to registered nursing education. The concepts focus on utilization of the nursing process, communication and collaboration skills, professional behavior, legal and ethical issues related to nursing practice, inquiry-based practice, and the skills necessary to provide a safe patient-centered environment. Emphasis is placed on the basic needs of the individual through the lifespan, Maslow's hierarchy of needs, and the role of the student as a member of the healthcare team and community. Students will practice basic nursing skills in lab/clinical and/or simulated experiences.

Course content is presented in three (3) theory credits and in two (2) lab/clinical and/or simulated credits.

(5/45/0/0/0/0/0/0/0/90/0)

ADNR-1112L

Fundamentals of Nursing Practice

Prerequisite: Admission to the AD-N program and BIOS-2050 (may be taken concurrently)

Co-requisite: ADNR-1112, ADNR-1132, ADNR-1160, and ADNR-1160L

ADNR-1122

Principles of Pharmacology I

Prerequisites: Successful completion of ADNR-1112, ADNR-1112L ADNR-1132, ADNR-1160, ADNR-1160L and BIOS-2050.

Co-requisites: ADNR-1134, ADNR-1141, ADNR-1141L, ADNR-1151, and ADNR-1151L

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 those affecting the gastrointestinal system, central and

autonomic nervous systems, cardiovascular and renal systems, respiratory system, and endocrine system, as well as those used in the management of pain.

Selected prototype agents for each drug classification will be examined, including indications, mechanism of action, contraindications, adverse effects, interactions, routes of administration, nursing implications, and patient-centered teaching.

(1/15/0/0/0/0/0/0/0/0/0)

ADNR-1132
Pathophysiology I

Prerequisite: Admission to the AD-N program, BIOS-2250, and BIOS-2260, or permission of the instructor

This is the first part of a two-part theory course in pathophysiology. It focuses on the pathophysiologic basis for alterations in adult health. Content includes selected alterations in cellular and tissue biology, protection, sensory, homeostasis, and regulation (i.e., the cell in health and illness, immunity, inflammation, biology of cancer and tumor spread, hematological, stress and disease, pain, sensory, fluid and electrolytes, renal, and integumentary). Emphasis is placed on basic physiology needs.

(2/30/0/0/0/0/0/0/0/0/0)

ADNR-1134
Pathophysiology II

Prerequisite/Co-requisite: 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, protective, and homeostatic mechanisms and selected body systems (i.e., endocrine, diabetes and metabolic syndrome, neurologic function, musculoskeletal, digestive, pulmonary, cardiovascular, and reproductive systems). Emphasis is placed on basic physiological needs.

(2/30/0/0/0/0/0/0/0/0/0)

ADNR-1141
Adult Health & Illness I

Prerequisite: Successful completion of the first semester of the traditional option of the AD-N program.

Co-requisites: ADNR-1122, ADNR-1134, and ADNR-1141L

This theory/lab/clinical course is the first 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 member of an interdisciplinary healthcare team, in the provision of culturally sensitive, safe patient-centered care. The nursing process, inquiry-based practice, and Maslow's hierarchy of needs are utilized as the conceptual bases for presentation of this material. Topics include the introduction to nursing care of the adult client patient; fluid, electrolyte, and acid/base balance; perioperative care; skin integrity; and the musculoskeletal and upper gastrointestinal systems.

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 patient care.

(4/30/0/0/0/0/0/0/0/90/0)

ADNR-1141L
Adult Health & Illness I Lab/Clinical

Prerequisite: Successful completion of the first semester of the traditional option of the AD-N program.

Co-requisites: ADNR-1122, ADNR-1134, and ADNR-1141

ADNR-1151
Adult Health & Illness II

Prerequisite: Successful completion of the first semester of the traditional option of the AD-N program and ADNR-1141 and ADNR-1141L

Co-requisites: ADNR-1122, ADNR-1134, and ADNR-1151L

This theory/lab/clinical course is the second 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 member of an interdisciplinary healthcare team, in the provision of culturally sensitive, safe patient-centered care. The nursing process, inquiry-based practice, and Maslow's hierarchy of needs are utilized as the conceptual bases for presentation of this material. Topics include lower gastrointestinal, respiratory, and cardiovascular systems, as well as care of the patient 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.

(4/30/0/0/0/0/0/0/0/90/0)

ADNR-1151L

Adult Health & Illness II Lab/Clinical

Prerequisite: Successful completion of the first semester of the traditional option of the AD-N program and ADNR-1141 and ADNR-1141L

Co-requisites: ADNR-1122, ADNR-1134, and ADNR-1151

ADNR-1160

Health Assessment

Prerequisite: Admission to the AD-N program or permission of the instructor

Co-requisite: ADNR-1160L

This theory/lab course facilitates the development of competencies in adult health assessment techniques commonly used by the generalist registered nurse. Health assessment includes analysis and interpretation of data from multiple sources including, but not limited to, laboratory and radiological reports, growth and development, and health appraisal of physical, mental, nutritional, psychosocial, and cultural information. Domestic violence assessment will also be addressed.

The concepts include use of the nursing process, communication skills, professional behaviors, and assessment skills necessary to provide a safe, patient-centered care. Emphasis is placed on the basic needs of the unique individual, Maslow's hierarchy of needs, and the role of the registered nurse as a member of the healthcare team and community. Students will practice basic nursing skills in a laboratory and simulated experiences.

Content in the course is presented in theory credit hours (1.5) and in lab credit hour (0.5).

(2/22.5/15/0/0/0/0/0/0/0/0)

ADNR-1160L

Health Assessment Lab/Clinical

Prerequisite: Admission to the AD-N program or instructor consent

Co-requisite: 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 of needs 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

ADNR-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-2112, ADNR-2112L, ADNR-2122L, ADNR-2126, ADNR-2126L, ADNR-2141, and ADNR-2141L*
- *ADNR-1160 and ADNR-1160L if not completed before admission*

This theory/lab course examines the pharmaco-therapeutics, pharmacokinetics, and pharmacodynamics of selected drug classifications, and safe intravenous (IV) therapy. Selected drug classes and therapeutic products explored in this course include those affecting the gastrointestinal system and nutrition, and endocrine, reproductive, cardiovascular, renal, and central nervous systems, as well as anti-infective drugs.

Selected prototype agents for each drug classification are examined, including indications, mechanism of action, contraindications, adverse effects, interactions, routes

of administration, nursing implications, and patient-centered teaching.

Pharmacologic principles, standards and evidence-based practice for intravenous therapy will be applied in a laboratory setting.

(2.5/30/15/0/0/0/0/0/0/0/0)

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-2134, ADNR-2134L, ADNR-2151, ADNR-2151L, ADNR-2175, and ADNR-2175L

This theory course expands on the concepts of pharmacotherapeutics, pharmacokinetics, and pharmacodynamics explored in ADNR-1122 and ADNR-2122. Drug classifications and prototypes examined in this course include those commonly used in patients with complex health problems. The selected drug classifications include those affecting the cardiovascular, renal, endocrine, and central and autonomic nervous systems, as well as chemotherapeutic drugs and immune modifiers. Selected drugs from ADNR-1122 and ADNR-2122 are reviewed.

(1.5/22.5/0/0/0/0/0/0/0/0/0)

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.

(3/37.5/0/0/0/0/0/0/0/22.5/0)

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 successful completion of the first semester of the Advanced Placement (AP) option of the AD-N 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. Using the nursing process; inquiry-based practice; and culturally sensitive, safe patient-centered care to meet the needs of the childbearing and childrearing family will be 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.

Content in the course is presented in two and a half (2.5) theory credit hours and one (1) lab/clinical credit hour. Clinical and simulated activities provide students with experience in client care.

(3.5/37.5/0/0/0/0/0/0/0/45/0)

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 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 culturally sensitive, safe patient-centered care. The nursing process, inquiry-based practice, and Maslow's hierarchy of needs are utilized as the conceptual bases for presentation of this material. Topics include 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 successful completion of the first semester of the Advanced Placement (AP) option of the AD-N program.

Co-requisites: ADNR-2124, ADNR-2134, ADNR-2134L, ADNR-2151L, ADNR-2175, and ANDR-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 culturally sensitive, safe patient-centered care. The nursing process, inquiry-based practice, and Maslow's hierarchy of needs are utilized as the conceptual bases for presentation of this material. Topics include the examination of emergency and critical 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)

Content in the course is presented in two (2) theory credit hours and one and a half (1.5) lab/clinical credit hours. Clinical and simulated activities provide students with experience in client 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/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 to 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 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)

LPNR-1250

Concepts of Nursing

Prerequisite: Admission to the Practical Nursing program

Co-requisite: BIOS-2460, LPNR-1250L, LPNR-1410, and LPNR-1410L

This theory/lab course is an introduction to practical nursing education focusing on utilization of the nursing process, communication skills, professionalism, legal and ethical issues related to nursing practice, and inquiry-based practice and skills necessary to provide a safe patient-centered environment. Emphasis is placed on the basic needs of the individual through the lifespan, Maslow's hierarchy of needs, and the role of the student as a member of the healthcare team and community. Students will practice basic nursing skills in a laboratory and/or simulated experiences.

Content in the course is presented in 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 and LPNR-1250L

Co-requisite: BIOS-2460, LPNR-1270C, LPNR-1410, and LPNR-1410L

This course begins the process of development of nursing education in relation to health/illness and disease process in adult patients through the life span. Topics covered include health-illness issues related to fluid and electrolytes; care of the surgical patient; oncology; and the endocrine, immune, renal, integumentary, and gastrointestinal systems. The nursing process, including health data collection, nursing interventions, and therapeutic communication skills, is utilized as a framework for presentation and development of the entry-level body of knowledge for the practical nurse. Concepts related to the disease process, Maslow's hierarchy of needs, pharmacodynamics, and nutrition are employed to foster the holistic approach to nursing care. The holistic concept of humans as unique, ever changing, physio-psycho-social, and spiritual beings is integrated as a foundation of nursing care. Emphasis is placed on professionalism and providing a safe patient-centered care environment using a systematic approach and inquiry-based practice. Clinical experiences are provided to allow the student to develop competence and experience in patient-centered care. Clinical experiences are supervised by an instructor and taught within the scope of the practical nurse.

Content in the course is presented in three (3) credits of 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-1270C

Medical/Surgical Nursing I: Clinical

Prerequisite: Admission to the Practical Nursing program

Co-requisite: LPNR-1270

LPNR-1410

Pharmacology I

Prerequisite: Admission to the Practical Nursing program

Co-requisites: LPNR-1250, LPNR-1250L, LPNR-1270, LPNR-1270C, and LPNR-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. Informatics, nursing process, dosage calculations, client and family education, and age-appropriate techniques are incorporated as they apply to 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)

LPNR-1410L

Pharmacology I

Prerequisite: Admission to the Practical Nursing program

Co-requisite: LPNR-1410

LPNR-1480

Pharmacology II

Prerequisite: Successful completion of first semester of the Practical Nursing program

Co-requisites: LPNR-2280, LPNR-2280C, LPNR-2290, LPNR-2290C, and LPNR-2720

This theory course is a continuation of LPNR-1410. It explains drug effects on body systems not previously covered. It focuses on classification, indication of use, mechanism of action, adverse effects, contraindications, drug interactions, and nursing responsibilities for safe medication administration. Students will continue to use math computation skills for drug calculations. The course reinforces informatics, nursing process, and cultural- and age-appropriate techniques of the safe administration of medications. Selected content and drug classes examined in this course include drugs affecting the cardiovascular, peripheral nervous, respiratory, neuromuscular, central nervous systems, as well as drugs used to manage pain.

(2/30/0/0/0/0/0/0/0/0/0)

LPNR-2280

Medical/Surgical Nursing II

Prerequisite: Successful completion of the first semester of the Practical Nursing program

Co-requisites: LPNR-1480, LPNR-2280C, and LPNR-2720

This course continues the process of development of nursing education in relation to health/illness process in adult patients through the life span. Topics covered include health-illness issues related to respiratory, hematology, cardiovascular, musculoskeletal, neurological/sensory, and integumentary (part II) systems, as well as behavioral health.

The nursing process, including health data collection, nursing interventions, and therapeutic communication skills, is utilized as a framework for presentation and

development of the progression of knowledge for the practical nurse. Concepts related to the disease process, Maslow's hierarchy of needs, pharmacodynamics, cultural competence, and nutrition are integrated to foster the holistic approach to nursing care. Emphasis is placed on the practical nurse's ability to provide a safe patient-centered care environment using a systematic approach and inquiry-based practice. Clinical experiences are provided to allow the student to develop competence and experience in patient care. Clinical experiences are supervised by an instructor and taught 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 first 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 and LPNR-2280

Co-requisites: LPNR-1480, LPNR-2290C, and LPNR-2720

This course applies fundamental concepts of the childbearing and childrearing family and learned concepts from LPNR-1250, LPNR-1270, and LPNR-2280. Emphasis is placed on basic human needs, communication, professionalism, inquiry-based practice, and safe patient-centered care. Growth and development are explored utilizing the nursing process and applying Maslow's hierarchy of needs and Erikson's and Piaget's stages of development. The principles of nursing process, cultural sensitivity, nutrition, and pharmacology are also integrated. Patient skills are supervised by the instructor and taught within the scope of the practical nurse. Patient experiences are coordinated with theory to provide a better understanding of how the child and family relate as a unit. Some patient experiences are practiced in a laboratory-simulated and/or role-playing setting.

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-2290C
Care of The Family Clinical

Prerequisite: Successful completion of the second semester of the Practical Nursing program and LPNR-2280

Co-requisite: LPNR-2290

LPNR-2720
Strategies for the LPN in Practice

Prerequisite: Successful completion of the first semester of the Practical Nursing program

Co-requisites: LPNR-1480, LPNR-2260, and LPNR-2630

This theory course is designed to assist the student practical nurse in preparing for the NCLEX-PN examination and transitioning into the new role as an integral member of the healthcare team. Topics to be addressed include licensure, workplace communication, current legal/ethical issues, management/leadership roles, healthcare environment, informatics in nursing, perspectives on the profession of nursing, and NCLEX-PN preparation.

(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 in life. It will teach proven strategies for producing greater academic, professional, and personal success.

(3/45/0/0/0/0/0/0/0/0/0)

Philosophy

PHIL-1010

Introduction to Philosophy

Satisfies a humanities requirement for associates 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, ethics, epistemology, aesthetics, philosophy of religion, social and political philosophy, using the tools of logic and critical thinking.

(3/45/0/0/0/0/0/0/0/0/0)

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 associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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 associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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 associates 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?

(3/45/0/0/0/0/0/0/0/0/0)

PHIL-2610

Comparative Religions

Cross-listed as RELS-2610

Prerequisite: ENGL-0070 or ACCUPLACER® (or other appropriate placement test)

Satisfies a humanities or social science requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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 course fee will be assessed for film, paper, and chemicals. Additional darkroom/print room hours may be necessary to complete assignments.

(3/45/0/0/0/0/0/0/0/0/0)

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 course fee will be assessed for film, paper, and chemicals. Additional darkroom/print room hours may be necessary to complete assignments.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1/0/0/0/30/0/0/0/0/0/0)

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.

(1/0/0/0/30/0/0/0/0/0/0)

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 (meringue, salsa, cumbia, reggae ton) along with dance elements from hip hop/pot and Bollywood music to create a dynamic fitness program.

(1/0/0/0/30/0/0/0/0/0/0)

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-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.

(3/45/0/0/0/0/0/0/0/0/0)

PHED-1300

Varsity Sports Participation

Prerequisite/Co-requisite: Status as a member of a WNCC Intercollegiate Athletics' varsity team sport

This course is designed for the varsity sports athlete to receive credit for participation in their respective sport. Rules of the game, officiating, offensive and defensive strategies, teamwork, and skills are assessed.

(1/0/0/0/30/0/0/0/0/0/0)

PHED-1551

Weight Training

This course consists of instruction in weightlifting programs. Proper fundamental skill techniques for various types of exercises are taught and practiced.

(1/0/0/0/30/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

PHED-1700

First Aid

This course will enable the student to recognize and avoid hazards within their 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.

(2/30/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(4/45/30/0/0/0/0/0/0/0/0)

PHYS-1200L

Earth & Space Science Lab

Co-requisite: PHYS-1200L

PHYS-1225

Science of Sports

Prerequisite: MATH-0160 or ACCUPLACER® (or other appropriate placement exam)

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.

(4/45/30/0/0/0/0/0/0/0/0)

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.

(5/45/30/0/0/0/0/0/0/15/0)

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.

(5/45/30/0/0/0/0/0/0/15/0)

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-1420 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.

(5/45/30/0/0/0/0/0/0/15/0)

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.

(5/45/30/0/0/0/0/0/0/15/0)

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

POLS-1000
American Government

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)

Satisfies a social science requirement for associates 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)

POLS-1600
International Relations

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)

Satisfies a social science requirement for associates 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 introduces students to mapping and the use of blueprints, architectural drawings, "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 streetlights and how they are classified. It covers the methods and procedures used related to the mechanics of the installation of streetlights.

(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 the electrical system. A schematic of a typical electric systems generation and distribution flow 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, care, and uses of ropes, as well as knots and splicing, are included in this class.

(2.5/7.5/0/90/0/0/0/0/0/0/0)

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.

(3/15/0/90/0/0/0/0/0/0/0)

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.

(3/0/0/135/0/0/0/0/0/0/0)

UTIL-1500
Applied Electrical Science for Powerline I

This course begins with a basic introduction to electricity. It covers the nature of matter, different sources of electricity, circuits, electromotive force (voltage), current and resistance, Ohm's Law, and basic transformer design and maintenance.

(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.

(3/15/0/90/0/0/0/0/0/0/0)

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 the different wave lengths, 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.

(4/30/0/90/0/0/0/0/0/0/0)

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 the maintenance of these meters as well. Also covered are the different types of hydraulic systems.

(4/30/0/90/0/0/0/0/0/0/0)

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.

(3/0/0/0/0/0/0/0/0/0/180)

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.

(3/15/0/90/0/0/0/0/0/0/0)

Psychology

PSYC-1810

Introduction to Psychology

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)

Satisfies a social science requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

Sociology

SOCI-1010
Introduction to Sociology

Prerequisite: ENGL-0065, ENGL-0070, or ACCUPLACER® (or other appropriate placement test)

Satisfies a social science requirement for associates 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 associates 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 participate in an increasingly diverse and global society more critically, actively, and effectively.

(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 associates 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 themself 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 associates degree

In this introductory course, students begin to learn the fundamentals of Spanish. Comprehension, pronunciation, speaking, listening, reading, writing, and vocabulary are emphasized, and nouns, adjectives, and present tense as well as a study of Spanish-speaking cultures are covered. 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 associates 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 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 placement exam

Satisfies a humanities requirement for associates 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 emphasizes 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.

(3/45/0/0/0/0/0/0/0/0/0)

SPAN-2020

Intermediate Spanish II

Prerequisite: SPAN-2010 or placement exam

Satisfies a humanities requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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 sk9ills 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.

(3/45/0/0/0/0/0/0/0/0/0)

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 will gain practical experience in public speaking.

(3/45/0/0/0/0/0/0/0/0/0)

SPCH-1210

Speech and Debate

Students participate in intercollegiate speech and debate.

(1/15/0/0/0/0/0/0/0/0/0)

Surgical Technology

SURT-1030

Surgical Procedures I

Prerequisite: Acceptance into the Surgical Technology program

Co-requisites: SURT-1100 and SURT-1100L

This course provides instruction in specific surgical specialties including minimally invasive, robotic, general, gynecologic and obstetric, genitourinary, and otorhinolaryngology surgeries. Students gain knowledge relative to anatomy, physiology, pathophysiology, microbiology, 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 program accreditation.

(4/60/0/0/0/0/0/0/0/0/0)

SURT-1070

Clinical Practice I

Prerequisites: SURT-1030, SURT-1100, and SURT-1100L

Co-requisites: SURT-1125, SURT-2050, and SURT-2050L

This course introduces the student 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 program accreditation. The student will apply knowledge, skills, and abilities learned in all previous surgical technology core and general pre-requisite 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.

(5/0/0/0/0/0/0/0/225/0)

SURT-1100

Introduction to Surgical Technology

Prerequisite: Acceptance into the Surgical Technology program

Co-requisites: SURT-1030 and SURT-1100L

This course introduces 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 in a simulated setting of the introductory principles and practices of surgical technology learned in SURT-1100. 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 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 otorhinolaryngolic 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: SURT-1030, SURT-1100, and SURT-1100L

Co-requisites: SURT-1070, SURT-2050, and SURT-2050L

This course introduces the student to the concepts and practices of surgical technologist's 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 edition as required for program accreditation.

(2/30/0/0/0/0/0/0/0/0/0)

SURT-2050

Surgical Procedures II

Prerequisites: 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: 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-2050 in a lab setting. Students will 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 program accreditation. Emphasis is placed on the principles of aseptic technique and the application of safe patient care practices. Surgical specialties include neck procedures and oral/maxillofacial, plastic/reconstructive, ophthalmic, orthopedic, and neurosurgeries.

(3/0/90/0/0/0/0/0/0/0/0)

SURT-2080

Clinical Practice II

Prerequisites: SURT-1030, SURT-1070, SURT-1100, SURT-1100L, SURT-1125, SURT-2050, and SURT-2050L

Co-requisites: SURT-2210, and SURT-2250

SURT-2080 is a continuation of SURT-1070 and the 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 program 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.

(6/0/0/0/0/0/0/0/0/270/0)

SURT-2090

Clinical Practice III

Prerequisite: SURT-1030, SURT-1070, SURT-1100, SURT-1100L, SURT-1125, SURT-2050, SURT-2050L, and SURT-2080

Co-requisite: SURT-2050 and SURT-2210

SURT-2090 is a continuation of SURT-2080 and the culmination of all previous surgical technology course work. The student will continue to improve upon their knowledge, skills, competencies, and clinical confidence gained in previous semesters in accordance with the Core Curriculum for Surgical Technology 6th edition, as required for program accreditation. Students continue their 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.

(6/0/0/0/0/0/0/0/0/270/0)

SURT-2210

Professional Development for the Surgical Technologist

Prerequisite: SURT-1030, SURT-1070, SURT-1100, SURT-1100L, SURT-1125, SURT-2050, and SURT-2050L

Co-requisite: SURT-2080, SURT-2090, and SURT-2250

This course prepares the student 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.

(2/30/0/0/0/0/0/0/0/0/0)

SURT-2250

Surgical Procedures III

Prerequisites: SURT-1030, SURT-1070, SURT-1100, SURT-1100L, SURT-1125, SURT-2050, and SURT-2050L

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 program accreditation.

(2/30/0/0/0/0/0/0/0/0/0)

Theatre Arts

THEA-1010

Introduction to Theatre

Satisfies a humanities requirement for associates 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.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

THEA-1300

Voice and Articulation

This course is 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.

(3/45/0/0/0/0/0/0/0/0/0)

THEA-1400

Ballet I

This course introduces the basic principles, terminology, and techniques of classical ballet.

(1/0/0/0/0/0/0/0/30/0/0)

THEA-1410

Jazz I

This course introduces the basic principles, terminology, and techniques of jazz dance.

(1/0/0/0/0/0/0/0/30/0/0)

THEA-1420

Tap Dance I

This course introduces the basic principles, terminology, and techniques of tap dance.

(1/0/0/0/0/0/0/0/30/0/0)

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.

(1/0/0/0/0/0/0/0/30/0/0)

THEA-1500

History of Film

Satisfies a humanities requirement for associates degree

Technological and aesthetic evolution of film art is reviewed from its origins to the present in this course. American and international film theories and their cultural and artistic implications are surveyed during the screening sessions, followed by in-class analysis.

(3/45/0/0/0/0/0/0/0/0/0)

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.

(1/0/0/0/0/0/0/0/30/0)

THEA-1830

Stage Makeup

This course presents theory and application of two- and three-dimensional makeup for the stage. It is structured as lecture/demonstration and lab and is designed to help the student (as both actor and makeup artist) build a working knowledge of broad-based application procedures, materials, and techniques, and understand 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)

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)

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)

THEA-2200
Scripts 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)

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.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

THEA-2600
Technical Production II

This course is a continuing study of the technical aspects of theatre production introduced in THEA-1860. Emphasis is on advanced set construction and lighting and sound design. 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)

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)

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)

Transportation

TRAN-1000
Commercial Learner's Permit

This course introduces the student to areas of study that are needed to obtain a Commercial Learner's Permit (CLP) from the State of Nebraska. Topics include an introduction to the Department of Motor Vehicles (DMV) manual, driving safety, vehicle inspections, and transporting cargo safety.

(2/30/0/0/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

WELD-1070

Basic Welding – Auto Body

This class is a basic welding course in oxyacetylene 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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

WELD-1130

Advanced Gas Metal Arc Welding

Prerequisite: WELD-1120 or instructor consent

This course teaches the spray arc method of wire feed welding as well as the use of various diameters of flux core wire, both shielded and non-shielded

(3/30/0/45/0/0/0/0/0/0/0)

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 class. This course will illustrate problems associated with welding situations and provide corrective information.

(2-3/15/0/45-90/0/0/0/0/0/0/0)

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 ½-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.

(3/30/0/45/0/0/0/0/0/0/0)

WELD-1250

Advanced 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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/45/0/0/0/0/0/0/0/0/0)

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

(3/30/0/45/0/0/0/0/0/0/0)

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.

(3/30/0/45/0/0/0/0/0/0/0)

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 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.

(3/30/0/45/0/0/0/0/0/0/0)

WELD-2150

Advanced Gas Tungsten Arc Welding

Prerequisite: WELD-1050

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.

(3/30/0/45/0/0/0/0/0/0/0)

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.

(1-3/0/0/0/0/0/0/0/0/0/60-180)

Faculty

Royce J. Ammon, Scottsbluff
Social Science Instructor
Ph.D., University of Nebraska - Lincoln
M.A., University of Nebraska - Lincoln
B.A., University of Nebraska - Lincoln

Carl Baird, Scottsbluff
Anatomy & Physiology Instructor
D.PT., University of Nebraska Medical Center
B.A., Brigham Young University

Corey E. Batt, Scottsbluff
Collision Repair & Refinish Technology Instructor
B.S., Bellevue University
A.A.S., Southeast Community College
Certifications: Chevrolet Certified Technician Program, PPG Certified, ICAR Certified

Ken Boston, Scottsbluff
Emergency Medical Services Instructor
M.A., Reformed Theological Seminary
B.A., Toccoa Falls College
Certificate, Western Nebraska Community College

Jessica Brumbaugh, Scottsbluff
Nursing Instructor
B.S.N., University of Nebraska Medical Center
B.S., Black Hills State
A.S., Western Nebraska Community College

Jacklyn K. Cawiezel, Scottsbluff
Psychology Instructor
M.S., Walden University
B.A., University of Northern Colorado
A.A., Morgan Community College

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M.S., Walden University
B.S., University of Nebraska Medical Center
B.S., Chadron State College

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English Instructor
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B.S., University of Nebraska - Lincoln

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Social Sciences & Humanities Instructor
J.D., New York University School of Law
B.A., University of Nebraska - Lincoln

Nicole Danielzuk, Scottsbluff
Health Information Management Systems Instructor
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B.S., Chadron State College

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B.S.N., University of Nebraska Medical Center

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B.A., University of Wyoming

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R.N., University of Nebraska Medical Center
CST, Concorde Career College

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M.S., University of Nebraska – Kearney
B.S., University of Wyoming

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Health Information Management Systems Instructor
B.S., Eastern Oregon University
A.S., Central Oregon Community College

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Automotive Technology Instructor
B.S., Bellevue University
A.A.S., Casper College

Erandi Gunapala, Scottsbluff
Mathematics Instructor
Ph.D., University of North Dakota
B.S., University of Colombo (Sri Lanka)
Certification: CIMA Certificate in Business Accounting (United Kingdom)

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Science Instructor
Ph.D., University of California - Berkley
M.S., Mayo Clinic/Foundation
B.S., University of Minnesota
B.S., Weber State University
B.A., Saint Olaf College

Robin Hayhurst, Scottsbluff
Foundations and Education
M.A., University of Nebraska - Omaha
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Diploma, Northwest Iowa Community College

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Ph.D., Fielding Graduate University
M.A., Fielding Graduate University
M.S.Ed., University of Nebraska – Kearney
B.A., Chadron State College

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M.S.Ed., University of Illinois – Urbana-Champaign
B.S., Western Governors University
B.S., Capella University
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M.S., Fort Hays State College
B.S., Creighton University

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Physical Education Instructor/Head Baseball Coach
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