

baccalaureate four-year institution. The coursework in secondary education meets all the academic description and content necessary to fulfill program requirements of four-year institutions and teacher certification requirements of the State of Nebraska.

Objectives

- Provide students with a sequential course structure that fulfills general graduation requirements for the Associate of Arts degree.
- Provide students, upon completion of the field of study, easy entry into secondary education programs leading to the baccalaureate degree in their chosen field and Nebraska teacher certification.

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.

Recommended Elective Courses

Class		Credit
EDUC-1110	Intro to Professional Education	3
POLS-1000	American Government	3
	American or English Literature course	3
	Sociology course	3

Recommended Plan of Study

1st Semester		Credits
EDUC-1110	Introduction to Professional Education	3
ENGL-1010	English Composition I	3
PRDV-1010	Achieving College Success	3
	Math GE elective	3-4
	Lab Science GE elective	4
	Total Credits	16-17
2nd Semester		Credits
ENGL-1020	English Composition II	3
PSYC-1810	Introduction to Psychology	3
	Oral Communication GE elective	3
	Social sciences GE elective	3
	Elective/s	4
	Total Credits	16

3rd Semester		Credits
ATHC-1790	Personal Health 3 or Elective in area of interest	
SOCI-2150	Issues of Unity & Diversity or Sociology course of choice	3
	American or English Literature or Elective	3
	Humanities GE elective	3
	Elective in area of interest	3
	Total Credits	15
4th Semester		Credits
EDUC-2000	Educational Psychology or Elective	3
POLS-1000	American Government or Elective	3
	Social sciences GE elective	3
	Elective in area of emphasis	3-4
	Total Credits	12-13
	Total AA Credits	60-61

Emergency Medical Services

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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), advanced emergency medical technician (AEMT), 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.

Upon the successful completion of coursework, industry credentials will be awarded. Please contact the EMS Director at 308.635.6181 for more information about courses and programming available.

Technical Standards

- **Critical Thinking**
 - Apply knowledge and experience in the determination of appropriate emergency patient care.

- Evaluate and monitor patient's objective and subjective responses to emergency care.
- Interpret, prioritize, problem solve, and demonstrate critical thinking in emergency protocols.
- **Direct care**
 - Apply knowledge and experience in the assessment of patients and emergency scene to provide appropriate and safe patient care.
 - Utilize equipment according to squad protocols.
 - Perform direct patient care based on evaluation of specific emergency situation utilizing established squad protocols.
 - Perform CPR and other basic life support functions.
 - Transport and transfer patients/clients.
- **Collection of Patient Information**
 - Apply knowledge and experience in the assessment of patients in order to perform emergency care.
 - Maintain accurate medical records.
- **Communication**
 - Effectively communicate in English both verbally and in written form with patients, patient families, and other health care professionals.
- **Professional Attitude and Behavior**
 - Demonstrate a commitment to an environment of mutual respect, trust, integrity, and reliability in interactions with patients, their families and other healthcare professionals.
- **Safety**
 - Apply knowledge and experience in the assessment of safety in patient care treatment and environment.
 - Demonstrate proficiency in and strict adherence to squad protocols for the provision of care.
 - Perform Quality Control Procedures
 - Ensure infection control.

Paramedic Program

Gainful Employment (GE) – For more information about WNCC's graduation rates, the median debt of students who have completed this program, and other important information, please visit wncc.edu/equity.

The curriculums for a new certificate in paramedicine is in development. Please contact the Program Director for Emergency Medical Services at 308.635.6060 for specific information about the program.

(Pre) Engineering

AS.1401 (64 Credits)

Associate of Science

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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.

Objectives

- Permit the student to explore various courses of mathematics and sciences that may lead to a major in a specialized emphasis.

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.
- Substitutions in the science/math courses listed can be made depending on the area of interest. Please see a faculty advisor and/or the chair of the Division of Math and Science for possible substitutions.
- 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 degree in pre-dentistry.
- Depending on the choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.
- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor's or professional degree.

Core Requirements (28 credits)

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

Class		Credits
ENGR-1020	Programming & Problem Solving	3
MATH-1600	Analytic Geometry & Calculus I	5
MATH-2150	Calculus II	5