



**Western Nebraska
Community College**

CollegeNOW!

WNCC Program Guide

For Dual-Credit Students, Counselors, and Parents

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Automotive Technology AAS.4706D

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.

Top eight Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I **OR** ENGL-1000: Workplace Writing **OR** BSAD-1210:

Business Communications

MATH-1020 Technical Math **OR** MATH-1150: College Algebra

AUTO-1100: Engine Repair I

AUTO-1110: Engine Repair II

AUTO-1235: Automotive Brake Systems

AUTO-1240: Suspension, Steering, and Alignment

AUTO-1330: Chassis Electrical Systems

AUTO-1275: Automatic Transmission Fundamentals and Servicing

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required Core				
AUTO-1275	Automatic Transmission Fundamentals and Servicing	3			
AUTO-1290	Manual Transmissions and Differential Axels	3			
AUTO-1300	Advanced Automatic Transmissions	3			
AUTO-1340	Automotive Body and Electrical Systems	3			
AUTO-1350	Automotive Heating and Air Conditioning	4			
	Total Certificate Credits	16			Drivetrain & Under hood Repair Certificate
AUTO-1100	Engine Repair I	3			
AUTO-1110	Engine Repair II	3			
AUTO-1235	Automotive Brake Systems	4			
AUTO-1240	Suspension, Steering, and Alignment	3			
AUTO-1330	Chassis Electrical Systems	3			
	Total Certificate Credits	16			Powertrain and Chassis Repair Certificate
	Required Core				
ENGL-1010 OR ENGL-1000 OR BSAD-1210	English Composition I OR Workplace Writing OR Business Communications				
#		3			
SPCH-1110 OR SPCH-1200	Public Speaking OR Human Communications				
#		3			
BSAD-1500 OR MATH-1010 OR MATH- 1020 OR MATH-1150	Business Mathematics OR Intermediate Algebra OR Technical Mathematics OR College Algebra				
#		3-4			
BIOS, CHEM, PHYS OR LPNR-1110	ANY BIOS, CHEM, PHYS with Lab Body structure and Function				
#		3-4			
PRDV-1010 OR BSAD-2150	Achieving College Success OR Career Readiness				
#		3			
AUTO-1370	Ignition Systems	3			
AUTO-1390	Computerized Engine Management System	3			
AUTO-2500	Automotive Technology Internship	1-3			
AUTO-1120	Engine Removal & Reinstallation	2			
AUTO-1375	Fuel Systems	3			
AUTO-1410	Emission Control System & Drivability	3			
#	Technical Elective	1-3			
	Total Degree Credits	63-69			

Aviation Maintenance AAS.4901

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 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.

Top five Recommended Dual-Credit Courses in this program:

ENGL-1000: Workplace writing

SPCH-1200: Human Communications

MATH-1020: Tech Math

ECON-1230: General Economics

PRDV-1010: Achieving College Success

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required Core				
AVIA-1101	Ground Operations & Regulations	3.5			
AVIA-1102	Applied Mathematics, Physics, and Weight & Balance for Aviation	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			
AVIA-1202	Airframe Structures I	2.5			
AVIA-1203	Airframe Structures II	2			
AVIA-1204	Airframe Structures III	3			
AVIA-1205	Airframe Structures IV	2.5			
AVIA-1302	Airframe Systems II	3.5			
AVIA-1303	Airframe Systems III	3.5			
AVIA-2302	Airframe Systems IV	3			
AVIA-2305	Airframe Systems V	3			
AVIA-2307	Airframe Systems VI	4			
AVIA-2401	Engine Cooling & Reciprocating Theory	3			
AVIA-2501	Powerplant Systems I	4			
AVIA-2505	Engine Ignition	3.5			
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	Power Plant Propellers	3			
	Total Certificate Credits	77			Aviation Maintenance Certification
	General Education Core				
ENGL-1000	Workplace Writing	3			
SPCH-1200	Human Communications	3			
MATH-1020	Technical Mathematics	3			
ECON-1230	General Economics	3			
PRDV-1010	Achieving College Success	3			
	Total Core Credits	15			
	Total Degree Credits	92			Aviation Maintenance Degree

Biology/Ecology (Pre) AS.2601A

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.

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 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.

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.

Top eight Recommended Dual-Credit Courses in this program:

SPCH-1110: Public Speaking

ENGL-1010: English Composition I

BIOS-1210: Biology I with Lab

BIOS-1220: Biology II with Lab

MATH-1150: College Algebra

CHEM-1090: General Chemistry 1 with Lab

CHEM-1100: General Chemistry 2 with Lab

MATH-1210: Trigonometry

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
MATH-1210	Trigonometry	3			
CHEM-1090/1090L	General Chemistry 1 with lab	4			
CHEM-1100/1100L	General Chemistry 2 with lab	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Core Program Requirements				
BIOS-1210/1210L	Biology I with lab	4			
BIOS-1220/1220L	Biology II with lab	4			
	Minimum Core Program Requirements Credits	8			
	Recommended Program Electives (need 20 additional credits)				
BIOS-2120	Genetics with lab (4 credits)	4			
BIOS-2460	Microbiology with lab (4 credits)	4			
CHEM-2510	Organic Chemistry I with lab (4 credits)	4			
CHEM-2520	Organic Chemistry I with lab (4 credits)	4			
BIOS-1380/1380L	General Zoology with lab (4 credits)	4			
	Minimum Program Elective Credits	20			
	Total Credits	60			

Business Administration, Accounting Option

AA.A 5202E

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.

Top eight Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

PSYCH-1810: Intro to Psychology

MATH-1150: College Algebra

ACCT-1210: Principles of Accounting II

ACCT-1200: Principles of Accounting I

BSAD-2540: Principles of Management

INFO-110:0 Microcomputer Applications

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
MATH-1150 or MATH-2170	College Algebra Applied Statistics				
#		3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas (Econ is highly recommended)
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
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			
	Minimum Required Core Credits	18			
	Recommended Electives				
ECON-2110	Principles of Macroeconomics	3			
ACCT-2200	Cost/Managerial Accounting	3			
ACCT-2310	Accounting Applications (Quick Books)	3			
BSAD-2100	Managerial Finance	3			
	Minimum Required Electives	12			
	Total Credits	61			

Business Administration, Accounting Option

AS.A 5202F

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.

Top eight Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

PSYCH-1810: Intro to Psychology

MATH-1150: College Algebra

ECON-2110: Principles of Macroeconomics

ACCT-1200: Principles of Accounting I

BSAD-2540: Principles of Management

INFO-1100: Microcomputer Applications

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any course from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				
#		3			
Social Science	Any course from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Econ is highly recommended
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	25			
	Required Core				
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			
	Minimum Required AA Core Credits	18			
	Recommended Electives (Need an additional 12 credits)				
ECON-2110	Principles of Macroeconomics	3			
ACCT-2120	Principles of Microeconomics	3			
MATH-2170	Applied Statistics	3			
MATH-1210	Trigonometry	3			
	+ 6 additional credits in math/science	6			
	Total Elective Credits	18			
	Total Degree Credits	61			

Construction Technology AAS.4600

WNCC's Construction Technology program offers 2 stackable certificates that lead to an Associate of Applied Sciences degree (AAS) when combined with at least 15 General Education credits.

The Basic Construction Technology Certificate can be earned in year 1 (the first and second semesters). This certificate introduces the student to basic construction principles and skills. The Advanced Construction Technology Certificate can be earned in year 2 (the third and fourth semesters). This certificate builds on skills learned in the Basic certificate.

Top Seven Recommended Dual-Credit Courses in this program:

AMDT-1000: OSHA-10 Hour for General Industry

MATH-1020: Technical Mathematics

BSAD-2150: Career Readiness

ENGL-1000: Workplace Writing

BIOS-1100: Environmental Science with Lab

SPCH-1200: Human Communications

CNST-1600: Introduction to Construction Technology

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
MATH-1020	Technical Mathematics	3			
BSAD-2150	Career Readiness	3			
ENGL-1000	Workplace Writing	3			
BIOS-1100 W/ Lab	Environmental Science with Lab	4			
SPCH-1200	Human Communications	3			
	Minimum Required Gen Ed Credits	16			
	Required Core				
AMDT-1000	OSHA 10 For General Industry	1			
CNST-1600	Introduction to Construction Technology	3			
CNST-1610	Materials, Plans, Site, & Floors	3			
CNST-1611	Wall, Roof, & Stair Construction	3			
CNST-2610	Exterior Finishing & Roofing Application	3			
CNST-1620	Introduction to Plumbing, Tools, and Residential Drawings	4			
CNST-1630	Electrical Theory, Safety, Distribution	3			
CNST-1631	Basic Electrical Installation	3			
	Total Certificate Credits	23			Basic Construction Trades Certificate
CNST-2611	Interior Finishing	5			
CNST-1621	Plumbing Distribution & Disposal	3			
CNST-1640	Introduction to Heating & Cooling	4			
CNST-2650	Advanced Construction Techniques	4			
CNST-2651	Trenching, Excavation & Rigging	4			
CNST-2641	HVACR Distribution Systems & Maintenance	3			
	Total Certificate Credits	23			Advanced Construction Trades Certificate
	Total Program Credits	62			

Criminal Justice AA.4301

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.

Top eight Recommended Dual-Credit Courses in this program:

CRIM-1010: Introduction to Criminal Justice

CRIM-1020: Introduction to Corrections

CRIM-2000: Criminal Law

CRIM-2030: Police and Society

CRIM-2100: Juvenile Justice

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
MATH-1150	College Algebra	3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any course from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				
#		3			
#		3			
Social Science	Any course from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
CRIM-1010	Introduction to Criminal Justice	3			
CRIM-1020	Introduction to Corrections	3			
CRIM-2000	Criminal Law	3			
CRIM-2030	Police and Society	3			
CRIM-2080	Criminal Procedure	3			
CRIM-2100	Juvenile Justice	3			
CRIM-2150	Contemporary Issues in Criminal Justice	3			
CRIM-2250	Community Based Corrections	3			
HUSR-1620	Introduction To Service Work	3			
INFO-1220	Introduction to Information Technology	3			
	Total Core Credits	30			
	Total Degree Credits	61			AAS Degree Completion

Dental Hygiene (Pre) AS.5106

The health sciences emphasis areas focus on the mechanics of the human body and the application of this knowledge in a clinical setting. The courses provide the first two years of background necessary to successfully transfer to a four-year college or university or pre-professional program.

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.

This emphasis is focused for transfer to the University of Nebraska Medical Center (UNMC). Students will need to contact an advisor at UNMC for specific requirements about admission to the university and the program. **You will need to inquire about whether dual credit courses are accepted for transfer into the program at UNMC.**

Top eight Recommended Dual-Credit Courses in this program:

PSYC-1810: Introduction to Psychology

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

BIOS-1010: General Biology with lab

BIOS-2250: A&P I with lab

BIOS-2260: A&P II with lab

CHEM-1090: General Chemistry 1 with lab

CHEM-1100: General Chemistry 2 with lab

****Please contact the WNCC CollegeNow! Department if you are interested in pursuing a pre-dental hygiene track as you will want to be intentional about the dual-credit classes you take. Many dental hygiene programs will not accept dual-credit classes towards the credit count in their degrees.**

Dentistry (Pre) AS.5111

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.

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 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.

Top eight Recommended Dual-Credit Courses in this program:

SPCH-1110: Public Speaking

PSYC-1810: Introduction to Psychology

ENGL-1010: English Composition I

PHIL-1060: Intro to Ethics

MATH-1150: College Algebra

CHEM-1090: General Chemistry 1 with Lab

CHEM-1100: General Chemistry 2 with Lab

MATH-1210 Trigonometry

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
MATH-1210	Trigonometry	3			
CHEM-1090/1090L	General Chemistry 1 with lab	4			
CHEM-1100/1100L	General Chemistry 2 with lab	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Core Program Requirements				
BIOS-1380	General Zoology	4			
BIOS-1210/1210L	Biology I with lab	4			
BIOS-1220/1220L	Biology II with lab	4			
PHYS-1300/1300L/1300R	Physics I with lab and recitation	5			
PHYS-1350/1350L/1350R	Physics II with lab and recitation	5			
	Minimum Core Program Requirements Credits	22			
	Recommended Program Electives (need 6 additional credits)				
BIOS-1160/1160L	Intro to Human Anatomy and Physiology with lab (4 credits)				
BIOS-2120	Genetics with lab (4 credits)				
BIOS-2460	Microbiology with lab (4 credits)				
CHEM-2510	Organic Chemistry I with lab (4 credits)				
CHEM-2520	Organic Chemistry I with lab (4 credits)				
	Minimum Program Elective Credits	6			
	Total Credits	60 min			

Diesel, Truck and Heavy Equipment Technology

AAS.4703

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.

Top eight Recommended Dual-Credit Courses in this program:

AMDT-1000: OSHA 10 for General Industry

AUTO-1210: Auto Parts Specialist

DSLT-1010: Basic Shop Skills

DSLT-1110: Diesel Engines I

DSLT-1350: Safety and Emergency Response

WELD-1015: Introduction to Welding

ENGL-1010: English Composition I

MATH-1020: Technical Mathematics

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition I	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
Math-1020	Technical Mathematics	3			
Social Or Lab Science	Any BIOS, CHEM, PHYS Lab Science OR Any course from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				
#		3/4			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	15-16			
	Required Core				
AMDT-1000	OSHA 10 for General Industry	1			
AUTO-1210	Auto Parts Specialist	2			
DSLT-1010	Basic Shop Skills	2			
DSLT-1110	Diesel Engines I	3			
DSLT-1350	Safety and Emergency Response	1			
WELD-1015	Introduction to Welding	3			
DSLT-1150	Electrical I	2			
DSLT-1250	Powertrain	4			
DSLT-2110	Diesel Engines II	3			
DSLT-1050	Brake Systems	3			
DSLT-2010	Essential Professional Skills	2			
DSLT-2010	Suspension, Steering, and Alignment	3			
DSLT-2150	Electrical II	3			
DSLT-2350	Hydraulics	2			
AUTO-1350	Automotive Heating & Air Conditioning	4			
AUTO-1360	Automotive Air Conditioning R134A	1			
DSLT-2200	Electronics	2			
DSLT-2250	Emissions	2			
INFO-1100	Microcomputer Applications	3			
	Total Core Credits	46			
	Electives (optional)				
DSLT-2500	Diesel Technology Internship	3			
	Total Degree Credits	61-65			AAS Degree Completion

Education, Early Childhood AA.1312C

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.

Top eight Recommended Dual-Credit Courses in this program:

ECED-1150: Introduction to Early Childhood Education

ECED-1110: Infant/Toddler Development

ECED-1120: Preschool Child Development

ECED-1230: School Age Child Development

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

BIOS-1010: General Biology with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
MATH-1150	College Algebra	3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any one class from the following areas: World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				
#		3			
EDUC- 2110/ENGL- 2110	Children's Literature	3			
PSYC-1810	Introduction to Psychology	3			
SOCI-2150	Exploring Unity and Diversity	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
ECED-1060	Observation, Assessment, & Guidance	3			
ECED-1110	Infant/Toddler Development	3			
ECED-1120	Preschool Child Development	2			
ECED-1150	Introduction to Early Childhood Education	3			
ECED-2050	Children with Exceptionalities	3			
ECED-2060	Early Childhood Education Curriculum Planning	3			
EDEC-1050	Expressive Arts	3			
EDEC-1160	Early Language & Literacy	3			
	Total Core Credits	22			
	Electives (need 8 credits)				
ECED-1220	Pre-practicum	1			
ECED-1230	School Age Child Development	2			
ECED-1260	Early Childhood Health, Safety, and Nutrition	3			
ECED-1610	Infant Practicum	1			
ECED-1640	School Age Practicum	1			
ECED-2070	Family and Community Relationships	3			
	Total Elective Credits	8			
	Total Degree Credits	61			

Education, Elementary AA.1312A

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.

Top eight Recommended Dual-Credit Courses in this program:

EDUC-1110: Introduction to Professional Education

EDUC-2000: Educational Psychology

PSYC-1810: Introduction to Psychology

PSYC-2150: Life Span Human Growth Development

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1180: Math for Elementary Teachers

BIOS-1010: General Biology with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
MATH-1180	Math for Elementary teachers	3			
BIOS-1010 W/ Lab	General Biology	4			
EDUC-2110/ ENGL-2110	Children's Literature	3			
#	Humanities Elective	3			
PSYC-1810	Introduction to Psychology	3			
#	History Elective	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
EDUC-1110	Introduction to Professional Education	3			
EDUC-2000	Educational Psychology	3			
EDUC-2300	Introduction to the Exceptional Learner	3			
EDUC-2590	Instructional Technology	3			
EDUC-2860	Music Education for Elementary Teachers	3			
EDUC-2890	Art Education for Elementary Teachers	3			
PSYC-2150	Human Growth and Development	3			
	+ 8 Elective credits	8			
	Total Core Credits	30			
	Total Degree Credits	61			

Education, Secondary

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

Top eight Recommended Dual-Credit Courses in this program:

EDUC-1110: Introduction to Professional Education

EDUC-2000: Educational Psychology

PSYC-1810: Introduction to Psychology

PSYC-2150: Life Span Human Growth Development

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

BIOS-1010: General Biology with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education Courses				
ENGL-1010	English Composition I	3			
ENGL-1020	English Composition II	3			
Lab Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			With Lab
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
MATH-1150	College Algebra	3			Or higher
Social Science	Any course from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				
#		3			
PRDV-1010	Achieving College Success	3			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
	Total Core Credits	28			
	Required Core				
EDUC-1110	Introduction to Professional Education	3			
EDUC-2000	Educational Phycology	3			
EDUC-2590	Instructional Technology	3			Spring Only Course
EDUC-2300	The Exceptional Learner	3			Fall Only Course
PSYC-2150	Life span Human Growth Development	3			
PSYC-1810	Introduction To Psychology	3			
	Total Core Credits	18			
	Choose an endorsement from the following and complete the required credit courses listed in the course catalog (14 credit hours): Art, Business Marketing and Information Technology, English Language Arts, Math, Biology, Chemistry or Social Science.	14			
	Total Degree Credits	60			

Emergency Medical Services AAS.5109B

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.

Top eight Recommended Dual-Credit Courses in this program:

EMSP-1500: Emergency Medical Technician with Lab

EMSP-2000: Introduction to Paramedics

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

BIOS-1010: General Biology with Lab

BIOS-1160: Human Anatomy & Physiology with Lab

PRDV-1010: Achieving College Success

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	EMS Prerequisites				
EMSP-1500	Emergency Medical Technician	6			
EMSP-1500L	Emergency Medical Technician Lab	1.5			
	Required General Education Core				
BSAD-1210 OR ENGL-1000 OR ENGL-1010	Business Communications OR Workplace Writing OR English Composition I				
#		3			
SPCH-1110 OR SPCH-1200	Public Speaking OR Human Communications				
#		3			
MATH-1010	Intermediate Algebra OR Higher	3			
PRDV-1010	Achieving College Success	3			
Social Or Lab Science	Any BIOS, CHEM, PHYS Lab Science OR Any course from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				
#		3/4			
BIOS-1160	Human Anatomy and Physiology	4			With Lab
	Total Credits	26.5-27.5			
	Core Courses				
EMSP-2000	Introduction to Paramedics	2.5			
EMSP-2050	Pathophysiology, Pharmacology, & Airway Management	3.5			
EMSP-2050L	Pathophysiology, Pharmacology, & Airway Management	.5			
EMSP-2100	Patient Assessments	2.5			
EMSP-2100L	Patient Assessments Lab	.5			
EMSP-2150	Pulmonology and Cardiology	3.5			
EMSP-2150L	Pulmonology and Cardiology Lab	.5			
EMSP-2200	Medical Emergencies	3.5			
EMSP-2200L	Medical Emergencies Lab	.5			
EMSP-2250	Trauma Emergencies	2.5			
EMSP-2250L	Trauma Emergencies Lab	.5			
EMSP-2300	Trauma and Special Considerations	2.5			
EMSP-2300	Trauma and Special Considerations	.5			
EMSP-2350	EMS Operations	2.5			
EMSP-2350L	EMS Operations Lab	.5			
EMSP-2400	Paramedic Clinical I	5			
EMSP-2500	Paramedic Clinical II	5			
EMSP-2600	Paramedic Clinical III	5			
EMSP-2600	Paramedic Clinical III Capstone	5			
	Total Core Credits	46.5			
	Total Degree Credits	73-74			

Exercise Science, Health and Fitness Studies Option

AS.1313F

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.

Top seven Recommended Dual-Credit Courses in this program:

BIOS-1000: Basic Nutrition

BIOS-1010: General Biology with Lab

PSYC-1810: Intro to Psychology

PHED-1710: Introduction to Physical Education

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
#		3			
MATH-1150	College Algebra				Or higher
#		3			
BIOS-2250	Human Anatomy and Physiology I	4			With Lab
BIOS-2260	Human Anatomy and Physiology II	4			With Lab
Literature/ Humanities	Any course from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				
#		3			
PYSC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Required Core				
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 Personalized Fitness Program	3			
PHED-2010	Prevention & Care of Athletic Injuries	3			
PHYS-1225 OR BIOS-1010 W/ LAB	Science of Sports OR General Biology W/ Lab	4			With Lab
PSYC-2150	Life Span Human Growth and Development	3			
	Total AS Credits	63			

Exercise Science, Physical Education Option AS.1313E

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.

Top seven Recommended Dual-Credit Courses in this program:

BIOS-1000: Basic Nutrition

BIOS-1010: General Biology with Lab

EDUC-2000: Educational Psychology

PHED-1710: Introduction to Physical Education

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
#		3			
MATH-1150	College Algebra	3			Or higher
BIOS-2250	Human Anatomy and Physiology I	4			With Lab
BIOS-2260	Human Anatomy and Physiology II	4			
Literature/ Humanities	Any course from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				
#		3			
PYSC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Required Core				
BIOS-1000	Basic Nutrition	3			
PHED-1710	Introduction to Physical Education	3			
PHED-1551	Weight Training	1			
EDUC-2000	Educational Psychology	3			
PHED-1700	First Aid	2			
PHED-1710	Introduction to Physical Education	3			
PHED-XXXX	Activity Elective	1			
EDUC-2300	Exceptional Learner	3			
EDUC-2590	Instructional Technology	3			
BIOS-1010 W/ Lab	General Biology	4			With Lab
PSYC-2100 OR PSYC-2150	Child & Adolescent Development OR Life Span: Human Growth and Development	3			
	Total Core Credits	29			
	Electives				
PHED-1730 OR PHED-2010	Introduction to Coaching OR Prevention and Care	3			Choose 1
	Total Credits	64			

Fine Arts, Music AFA Option AFA.5009A

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

Top Seven Recommended Dual-Credit Courses in this program:

MUSC-1410: Music Fundamentals

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

BIOS-1010: General Biology with Lab

PRDV-1010: Achieving College Success

PSYC-1810: Introduction to Psychology

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
MATH-1150 or MATH-1170	College Algebra Math Applications (or higher)				
#		3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas (Econ is highly recommended)
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
MUSC-1000	Music Convocation	0			
MUSC-1115	Piano Proficiency Exam	0			
MUSC-1410	Music Fundamentals	3			
MUSC-1455	Music Theory I	4			With lab
MUSC-1475	Music Theory II	4			With Lab
MUSC-2455	Music Theory III	4			With Lab
	Primary Applied Music Lessons	4			4 semesters
	Instrumental or Vocal Ensemble	4			4 semesters
	Secondary Applied Music Lessons	4			4 semesters
	Music Elective	2			Refer to course catalog for elective offerings
	Total Core Credits	29			
	Total Degree Credits	60			

Fine Arts, Visual Arts Option AFA.5007

Upon graduating with an AFA in Visual Arts program, students will be able to:

- understand elements and principles of art and design by using related problem-solving skills to organize, analyze and interpret visual information.
- explain the significance of major periods and works in the history of art.
- effectively use techniques and materials of various disciplines with knowledge of the traditional and contemporary practices of the area.
- effectively choose materials, techniques, form and content to engage in substantive self-directed artistic activity.
- evaluate their own work and the work of others.

Top Five Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

SPCH-1200: Human Communications

MATH-1150: College Algebra

BIOS-1010: General Biology with Lab

PRDV-1010: Achieving College Success

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
MATH-1150 or MATH-1170	College Algebra Math Applications (or higher)				
#		3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas (Econ is highly recommended)
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
ARTS-1010	Introduction To Visual Arts	3			
ARTS-1060	Introduction to Art History & Criticism II	3			
ART-1550	Drawing I	3			
ARTS-1580	Drawing II	3			
ARTS-1650	Design Fundamentals I	3			
ARTS-2400	Painting I	3			
ARTS-2600	Portfolio	3			
	Total Required Core	21			
	Electives (choose 9 credits)				
ARTS-1200	Clay Animation (3 credits)				
ARTS-1680	Beginning Watercolor Painting (3 credits)				
ARTS-2450	Figure Drawing (3 credits)				
ARTS-2460	Sculpture I(3 credits)				
	Total Elective Credits	9			
	Total Degree Credits	61			

Forestry/Wildlife Management (Pre) AS.0305

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.

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 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.

Top eight Recommended Dual-Credit Courses in this program:

SPCH-1110: Public Speaking

ENGL-1010: English Composition I

BIOS-1210: Biology I with Lab

BIOS-1220: Biology II with Lab

MATH-1150: College Algebra

CHEM-1090: General Chemistry 1 with Lab

CHEM-1100: General Chemistry 2 with Lab

MATH-1210: Trigonometry

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
MATH-1210	Trigonometry	3			
CHEM-1090/1090L	General Chemistry 1 with lab	4			
CHEM-1100/1100L	General Chemistry 2 with lab	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Core Program Requirements				
BIOS-1210/1210L	Biology I with lab	4			
BIOS-1220/1220L	Biology II with lab	4			
BIOS-1380/1380L	General Zoology with lab	4			
	Minimum Core Program Requirements Credits	12			
	Recommended Program Electives (need 16 additional credits)				
BIOS-2120	Genetics with lab (4 credits)	4			
BIOS-2460	Microbiology with lab (4 credits)	4			
CHEM-2510	Organic Chemistry I with lab (4 credits)	4			
CHEM-2520	Organic Chemistry I with lab (4 credits)	4			
	Minimum Program Elective Credits	16			
	Total Credits	60			

General Studies (Language and Fine Arts) – AA.2401

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.

Top eight Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

ENGL-1010: English Composition II

SPCH-1110: Public Speaking

PSYCH-1810: Intro to Psychology

BIOS-1010: General Biology with Lab

MATH-1150: College Algebra

ENGL-2170: American Literature

HIST-2010: American History I

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
MATH-1150 or MATH-1170 or MATH-1180 or STAT-2170	College Algebra Math Applications (or higher) Math for Elementary teachers Applied Statistics				
#		3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required AA Core				
#	One Additional Humanities Course:	3			
#	One Additional Humanities Course:	3			
#	One of the classes: (Intro to Ethics, Critical and Creative Thinking, Issues of Unity and Diversity)	3			
#SPAN-1300	Elementary Spanish I	5			
	Minimum Required AA Core Credits	14			
	Electives (Need 15 Credit Hours)				
#					
#					
#					
#					
#					
	Minimum Required Electives	15			
	Total Credits	60			

General Studies (Math and Science) AS.2401

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.

This program is designed for students who enjoy problem-solving and analytical thinking, and who plan to pursue a career in Science, Technology, Engineering, or Mathematics (STEM). It provides a strong foundation in mathematics and science, preparing students to transfer to a four-year college or university.

Students will complete coursework in areas such as Algebra, Calculus, Biology, Chemistry, and Physics. They will develop critical thinking, quantitative reasoning, and laboratory skills.

Students are strongly encouraged to work closely with a WNCC academic advisor early in their studies to select appropriate courses and ensure alignment with transfer requirements for their intended major.

With careful planning and advising, this program can provide a smooth and cost-effective pathway into a wide range of STEM careers.

Top eight Recommended Dual-Credit Courses in this program:

SPCH-1110: Public Speaking

PSYC-1810: Introduction to Psychology

ENGL-1010: English Composition I

PHIL-1060: Intro to Ethics

MATH-1150: College Algebra

CHEM-1090: General Chemistry 1 with Lab

CHEM-1100: General Chemistry 2 with Lab

MATH-1210: Trigonometry

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
CHEM-1090/1090L	General Chemistry 1	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
MATH-1150	Trigonometry	3			
CHEM-1100	General Chemistry 2	4			
	Minimum Required Gen Ed Credits	32			
	Recommended Program Electives from these areas: BIOS, ENGR, INFO, CHEM, PHYS, MATH				
#					
#					
#					
#					
#					
#					
#					
#					
#					
	Minimum Required Electives	28			
	Total Credits	60			

Human Services AAS.5115A

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.

There are numerous elective options with this degree. Students interested in working with families may benefit from SOCI courses, those interested in the justice system may want to consider CRIM courses, and students pursuing social work could explore the SW courses offered through Chadron State College. Students interested in this degree program may consider contacting the WNCC Program Director for some specific information on the program.

Top eight Recommended Dual-Credit Courses in this program:

HUSR-1620: Introduction to Human Service Work

PSYC-1810: Introduction to Psychology

PSYC-2150: Life Span: Human Growth & Development

ENGL-1010: English Composition I

HUSR-1800: Case Assessment, Planning, and Management

HUSR-2380: Professional Ethics and Issues

HUSR-2450: Multicultural Counseling

ENGL-1020: English Composition II

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education Core				
ENGL-1010	English Composition I	3			
ENGL-1020	English Composition II	3			
SPCH-1110 OR SPCH-1200	Public Speaking OR Human Communications				
MATH-2170	Applied Statistics	3			
PRDV-1010	Achieving College Success	3			
BIOS-1600 with Lab	Introduction to Anatomy and Physiology with Lab	4			
	Total Credits	16			
	Core Courses				
PSYC-1810	Introduction To Psychology	3			
HUSR-1620	Introduction to Human Service Work	3			
HUSR-1800	Case Assessment, Planning, & Management	3			
HUSR-2000	Introduction to Counseling Skills: Theories & Techniques	3			
HUSR-2300	Group Counseling	3			
HUSR-2380	Professional Ethics and Issues	3			
HUSR-2450	Multicultural Counseling	3			
PSYC-2150	Life Span and Human Growth Development	3			
PHIL-2610	Comparative Religion (or other HUMS elective)	3			
HUSR-2530	Clinical Treatment Issues (or other HUMS elective)	3			
ANTH-2130	Mexican-Amer Native-Amer Cultures (Or other Social Science elective)	3			
HUSR-2010	Drugs & Behavior (or other HUMS elective)	3			
PSYC-2090	Abnormal Psychology (or other HUSR elective)	3			
HUMS-1100	Introduction to Humanities (or other HUMS elective)	3			
PSYC-2140	Sports Psychology (or other HUSR elective)	3			
	Total Core Credits	45			
	Total Credits	61			

Information Technology, Cybersecurity Option

AA.1199C

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.

Top eight Recommended Dual-Credit Courses in this program:

INFO-1220: Introduction to Information Technology

INFO-1255: Python

INFO-1100: Microcomputer Applications

INFO-1400: Networking Essentials

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1150: College Algebra

BIOS-1010: General Biology with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
MATH-1150	College Algebra	3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas (Econ is highly recommended)
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
INFO-1030 OR INFO-2500 OR BSAD-2150	Spreadsheets (Excel) OR Information Technology Internship OR Career Readiness				
#		1/3			
INFO-1040	Database (Access)	3			
INFO-1097	Electronic Communications (outlook)	1			
INFO-1100	Microcomputer Applications	3			
INFO-1220	Introduction to Information Technology	3			
INFO-1241 OR INFO-1242	Technical Support OR Hardware Support				
#		3			
INFO-1255	Python	3			
INFO-1400	Networking Essentials	3			
INFO-2451	System Administration	3			
INFO-2600	Cybersecurity Essentials	3			
INFO-2650	Ethical Hacking and Network Defense	3			
	Total Core Credits	29-31			
	Total Degree Credits	60-62			

Information Technology AA.1199A

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.

Top eight Recommended Dual-Credit Courses in this program:

INFO-1220: Introduction to Informational Technology

INFO-1100: Microcomputer Applications

INFO-1400: Networking Essentials

INFO-2451: System Administration

ENGL-1010: English Composition I

MATH-1150: College Algebra

SPCH-1110: Public Speaking

BIOS-1010: General Biology with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
MATH-1150	College Algebra	3			Or higher
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas (Econ is highly recommended)
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
INFO-1030 OR INFO-2500 OR BSAD-2150	Spreadsheets (Excel) OR Information Technology Internship OR Career Readiness				
#		3			
INFO-1040	Database (Access)	3			
INFO-1097	Electronic Communications (outlook)	1			
INFO-1100	Microcomputer Applications	3			
INFO-1220	Introduction to Information Technology	3			
INFO-1241 OR INFO-1242	Technical Support OR Hardware Support				
#		3			
INFO-1255 OR INFO-1510	Python OR Introduction to Robotics				
#		3			
INFO-1400	Networking Essentials	3			
INFO-2451	System Administration	3			
INFO-2600	Cybersecurity Essentials	3			
	+1 Elective Credit	1			
	Total Core Credits	29			
	Total Degree Credits	60			

Medical Laboratory Technician AAS.5110

The Medical Laboratory Technician (MLT) program prepares students to function as medical laboratory technicians who perform a wide range of routine and complex clinical laboratory procedures associated with blood and body-fluid analysis. These procedures play an important role in the detection, diagnosis, and treatment of many diseases and in the promotion of health. A medical laboratory technician assesses the reliability/accuracy of the testing, maintains and operates diagnostic equipment, evaluates patient results, prepares analytical reagents and controls, troubleshoots problems with specimens/analyzers, and performs other duties.

The medical laboratory technician curriculum encompasses a combination of general education courses, online lectures, in-person laboratory sessions, and clinical experiences in a hospital or clinic. The courses must be completed within the time frame shown in the recommended plan of study, and students in this program are required to be enrolled full-time. Upon successful completion of the prescribed program, the student is eligible to take the examination for national professional certification and will be prepared to work in a variety of clinical settings that include hospital laboratories, physicians' offices, and clinics and blood donor centers.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd. Suite 720, Rosemont, IL 60018-5119; 773.714.8880.

Top six Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

MATH-1010: Intermediate Algebra

BIOS-1160: Human Anatomy and Physiology I with Lab

HLTH-1060: Medical Terminology

LPNR-1110: Body Structure & Function

SPCH-1200: Human Communications

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education Core				
BIOS-1160 OR BIOS-2460 OR CHEM-1090 all with Labs	Intro to Anatomy and Physiology I OR Microbiology OR General Chemistry I all with Labs	4			
MATH-1010	Intermediate Algebra	4			Or Higher
ENGL-1010	English Composition I	3			
PRDV-1010	Achieving College Success	3			
SPCH-1200	Human Communications	3			
	Total Core Credits	17			
	Core Courses				
HLTH-1060	Medical Terminology	3			
LPNR-1110	Body Structure and Function	4			
MEDT-1005	Clinical Laboratory Operations	3			
MEDT-1010	Fundamentals Of Phlebotomy	4			
MEDT-1210	Practicum: Phlebotomy	2.5			
MEDT-1140	Clinical Hematology/Hemostasis	4			
MEDT-1150	Clinical Immunohematology	4			
MEDT-2100	Clinical Microbiology I	3			
MEDT-2110	Urinalysis & Body Fluids	3			
MEDT-2120	Clinical Immunology	3			
MEDT-2130	Clinical Chemistry	4			
MEDT-1150	Clinical Microbiology II	4			
MEDT-2200	Practicum: Microbiology	2			
MEDT-2225	Practicum: Chem & Immunology	3			
MEDT-2235	Practicum: Hem & Urinalysis	3			
MEDT-2250	Practicum: Immunohematology	1			
	Total Core Credits	50.5			
	Total Degree Credits	67.5			

Medicine (Pre) AS.5111A

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.

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 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.

Physics with Algebra/trig is usually sufficient and more common for pre-med. You should still verify requirements for the specific medical schools you may apply to later, because policies may vary.

Top eight Recommended Dual-Credit Courses in this program:

SPCH-1110: Public Speaking

PSYC-1810: Introduction to Psychology

ENGL-1010: English Composition I

PHIL-1060: Intro to Ethics

MATH-1150: College Algebra

CHEM-1090: General Chemistry 1 with Lab

CHEM-1100: General Chemistry 2 with Lab

MATH-1210: Trigonometry

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
MATH-1210	Trigonometry	3			
CHEM-1090/1090L	General Chemistry 1 with lab	4			
CHEM-1100/1100L	General Chemistry 2 with lab	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Core Program Requirements				
MATH-1600	Analytic Geometry & Calculus I	5			
BIOS-1210/1210L	Biology I with lab	4			
BIOS-1220/1220L	Biology II with lab	4			
PHYS-1300/1300L/1300R	Physics I with lab and recitation	5			
PHYS-1350/1350L/1350R	Physics II with lab and recitation	5			
	Minimum Core Program Requirements Credits	23			
	Recommended Program Electives (need 5 additional credits)				
BIOS-1160/1160L	Intro to Human Anatomy and Physiology with lab (4 credits)				
BIOS-2120	Genetics with lab (4 credits)				
BIOS-2460	Microbiology with lab (4 credits)				
CHEM-2510	Organic Chemistry I with lab (4 credits)				
CHEM-2520	Organic Chemistry I with lab (4 credits)				
	Minimum Program Elective Credits	5			
	Total Credits	60 min			

Nursing, AD-N ADN.5116

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.

Top eight Recommended Dual-Credit Courses in this program:

MATH-1010: Intermediate Algebra

HLTH-1195: Basic Nursing Assistant

BIOS-1010: General Biology with Lab

BIOS-2250: Human Anatomy and Physiology I with Lab

ENGL-1010: English Composition I

PSYC-1810: Introduction to Psychology

BIOS-2460: Microbiology with Lab

BIOS-2260: Human Anatomy and Physiology II with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	ADN Prerequisites				
HLTH-1195	Basic Nursing Assistant	3.5			
MATH-1010	Intermediate Algebra	4			
BIOS-2250	Human Anatomy & Physiology I	4			With Lab
CHEM-1050	Introductory Chemistry	4			With Lab
ENGL-1010	English Composition I	3			
BIOS-2260	Human Anatomy and Physiology II	4			With Lab
BIOS-2460	Microbiology	4			With lab
PSYC-1810	Introduction to Psychology	3			
	Total Pre-req Credits	29.5			
	Required Core				
ADNR-1112	Fundamentals of Nursing Practice	5			
ADNR-1132	Pathophysiology I	2			
ADNR-1160	Health Assessment	2			
PSYC-2150	Life Span: Human Growth and Development	3			
ADNR-1122	Principles of Pharmacology I	1			
ADNR-1134	Pathophysiology II	2			
ADNR-1141	Adult Health & Illness I	4			
ADNR-1151	Adult Health and Illness II	4			
BIOS-2050	Nutrition and Diet Therapy	3			
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 and Illness III	4			
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 Nursing Practice	3.5			
	Total Core Credits	50			
	Total Credits	79.5			

Nursing (Pre-Professional) AS.5116B

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.

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.

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 Math/Science Division at WNCC.

Top eight Recommended Dual-Credit Courses in this program:

CHEM-1050: Introductory Chemistry with lab

PSYC-1810: Introduction to Psychology

ENGL-1010: English Composition I

PHIL-1060: Intro to Ethics

MATH-2170: Applied Statistics

BIOS-1010: General Biology with lab

BIOS-2250: A&P I with lab

BIOS-2260: A&P II with lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
MATH-2170	Statistics	3			
CHEM-1050/1050L	Introductory Chemistry with lab	4			
BIOS-1010/1010L	General Biology with lab	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Core Program Requirements				
BIOS-1000	Basic Nutrition	3			
HLTH-1195	Basic Nursing Assistant	3.5			
HIST-2020	American History II	3			
PSYC-2150	Lifespan: Human Growth & Development	3			
SOCI-1010	Introduction to Sociology	3			
BIOS-2250/2250L	A&P I with lab	4			
BIOS-2260/2260L	A&P II with lab	4			
BIOS-2460/2460L	Microbiology with lab	4			
SOCI-2150	Issues of Unity and Diversity	3			
	Core Program Requirements Credits	30.5			
	Total Credits	62.5			

Phlebotomy Technician Certificate C2.5110A

The Phlebotomy program's curriculum encompasses a combination of general education courses, online lectures, in-person laboratory sessions, and clinical experience in a hospital or clinic. The courses must be completed within the time frame shown in the recommended plan of study, and students in this program are required to be enrolled full-time. Upon successful completion of the prescribed curriculum, the student will be eligible to take an 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 admission requirements into the Phlebotomy program are:

- Be at least 17 years of age
- Have completed and met the requirements for admission to WNCC
- Have taken the ACCUPLACER® if required
- Upon admission to the program students must provide the following:
 - records of flu and COVID-19 vaccination of COVID-19 Waiver
 - titer test for Hepatitis B, varicella, MMR, meningococcal, and others as required by clinical facility
 - tuberculosis (TB) testing
 - compliance with the MLT program criminal background screening policy and the MLT program drug and alcohol screening policy

Course Number	Course Title	Cr. Hrs	Offe	Com p	Notes or Certifications
	Required Certification Courses				
HLTH-1060	Comprehensive Medical Terminology	3			
LPNR-1110	Body Structure & Function	4			
MEDT-1005	Clinical Laboratory Operations	3			
MEDT-1010	Fundamentals Of Phlebotomy	4			
MEDT-1210	Practicum: Phlebotomy	2.5			
	Total Certification Credits	16.5			

Physical Sciences & Math, Engineering (Pre) AS.1401

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).

Top eight Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

MATH-1150: College Algebra

CHEM-1090: General Chemistry I

MATH-1210: Trigonometry

MATH-1600: Analytical Geometry and Calculus I

ENGR-1020: Programming and Problem Solving

PHYS-2110: General Physics I with Calculus combined with Lab and Rec

ENGR-1010: Introduction to Engineering Design

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
#		3			
MATH-1150	College Algebra				
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any course from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				
#		3			
Social Science	Any course from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	25			
	Required Core				
ENGR-1020	Programming & Problem Solving	3			
MATH-1600	Analytical Geometry & Calculus I	5			
MATH-2150	Calculus II	5			
MATH-2200	Calculus III	5			
PHYS-2110	General Physics I with Calculus	5			With Lab and Recitation
PHYS-2120	General Physics II with Calculus	5			With Lab and Recitation
	Total Core Credits	28			
	Technical Electives or Courses required for Transfer (Choose 7 credits)				
CHEM-1090	General Chemistry I (4 Credits)				With Lab
ENGR-1010	Introduction to Engineering Design (3 Credits)				
ENGR-1070	Graphics for Engineers (3 Credits)				
ENGR-2020	Statics (3 Credits)				
ENGR-2110	Introduction to Circuits and Electronics (3 Credits)				
MATH-2110	Applied Differential Equations (3 Credits)				
	Total Electives	7			
	Total Degree Requirements	60			

Physical Therapy (Pre) AS.5108A

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.

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.

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 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.

Top eight Recommended Dual-Credit Courses in this program:

SPCH-1110: Public Speaking

ENGL-1010: English Composition I

BIOS-2250: Human Anatomy & Physiology I with Lab

BIOS-2260: Human Anatomy & Physiology II with Lab

MATH-1150: College Algebra

CHEM-1090: General Chemistry 1 with Lab

CHEM-1100: General Chemistry 2 with Lab

MATH-1210: Trigonometry

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
MATH-1210	Trigonometry	3			
CHEM-1090/1090L	General Chemistry 1 with lab	4			
CHEM-1100/1100L	General Chemistry 2 with lab	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Core Program Requirements				
BIOS-2250/2250L	A&P I with lab	4			
BIOS-2260/2260L	A&P II with lab	4			
	Minimum Core Program Requirements Credits	8			
	Recommended Program Electives (need 20 additional credits)				
BIOS-1210/1210L	Biology I with lab	4			
BIOS-1220/1220L	Biology II with lab	4			
BIOS-2120	Genetics with lab (4 credits)	4			
BIOS-2460	Microbiology with lab (4 credits)	4			
CHEM-2510	Organic Chemistry I with lab (4 credits)	4			
CHEM-2520	Organic Chemistry I with lab (4 credits)	4			
	Minimum Program Elective Credits	20			
	Total Credits	60 min			

Powerline Construction & Maintenance Technology

AAS.4603

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.

Top Five Recommended Dual-Credit Courses in this program:

ENGL-1000: Workplace Writing

SPCH-1200: Human Communications

MATH-1020: Technical Mathematics

ECON-1230: General Economics

BIOS-1010: General Biology with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1000 ENGL-1010 OR BSAD-1210	Workplace writing OR English Composition 1 OR Business Communications				
#		3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
MATH-1020 OR BSAD-1500	Technical Mathematics OR Business Mathematics				
#		3			
Social Or Lab Science	Any BIOS, CHEM, PHYS Lab Science OR Any course from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				
#		3/4			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	15-16			
	Required Core				
AMDT-1000	OSHA 10 For General Industry	1			
TRAN-1000	Commercial Learners Permit	2			
UTIL-1100	Introduction to Powerline Basics and Safety	3.5			
UTIL-1200	Basic Climbing	2.5			
UTIL-1500	Applied Electrical Science for Powerline I	2			
UTIL-1600	Applied Mathematics for Powerline I	1			
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	1			
UTIL-1415	Overhead Line Construction I	3			
UTIL-1425	Electrical Equipment Structure & Design I	3			
UTIL-1435	Electrical Equipment Structure for Design Lab	3			
UTIL-1550	Applied Electrical Science For Powerline II	3			
Util-1650	Applied Mathematics for Powerline II	1			
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 Line Construction II	3			
UTIL-2425	Electrical Equipment Structure and Design II	4			
UTIL-2500	Powerline Internship	3			
UTIL-2550	Applied Electrical Science for Powerline III	3			
	Total Core Credits	51			
	Total Degree Credits	66-67			AAS Degree Completion

Psychology AA.4201

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.

Top six Recommended Dual-Credit Courses in this program:

PSYC-1810: Introduction to Psychology

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

BIOS-1010: General Biology with Lab

ENGL-1020: English Composition II

MATH-2170: Applied Statistics

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications	3			
STAT-2170	Applied Statistics	3			
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
PSYC-1810	Introduction to Psychology	3			
PSYC-2020	Drugs & Behavior	3			
PSYC-2090	Abnormal Psychology	3			
PSYC-2140	Social Psychology	3			
PSYC-2150	Life Span: Human Growth & Development	3			
PSYC-2650	Research Methods in Psychology	3			
	Total Core Credits	18			
	Possible Electives (Choose 12 Credits – Other options available; speak with a WNCC advisor)				
ANTH-2130	Mexican American and Native American Cultures (3 Credits)				
PHIL-1060	Introduction to Ethics & Current Issues in Philosophy (3 Credits)				
PHIL-2610	Comparative Religions (3 Credits)				
SOCI-2150	Exploring Unity and Diversity (3 Credits)				
SOCI-2250	Marriage & Family (3 Credits)				
	Total Elective Credits	12			
	Total Degree Credits	61			

Radiologic Technology (Pre) AS.5122A

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.

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. Some programs may require Physics.

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 to total a minimum of 60 credits.

Top eight Recommended Dual-Credit Courses in this program:

CHEM-1050: Introductory Chemistry with lab

MATH-1150: College Algebra

ENGL-1010: English Composition I

PHIL-1060: Intro to Ethics

MATH-2170: Applied Statistics

BIOS-2250: A&P I with lab

BIOS-2260: A&P II with lab

SPCH-1110: Public Speaking

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110	Public Speaking	3			
MATH-1150	College Algebra	3			
MATH-2170	Statistics	3			
CHEM-1050/1050L	Introductory Chemistry with lab	4			
BIOS-2250/2250L	A&P I with lab	4			
PHIL-1060	Intro to Ethics	3			
PSYC-1810	Introduction to Psychology	3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	32			
	Core Program Requirements				
BIOS-2260/2260L	A&P II with lab	4			
HLTH-1060	Medical Terminology	3			
PHYS-1225/1225L	Science of Sports with lab	4			
	Minimum Required Gen Ed Credits	11			
	Program Electives (need 17 credits)				
#					
#					
#					
#					
#					
	Minimum Program Elective Credits	17			
	Total Credits	60			

Surgical Technology AAS.5109A

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.

Top six Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

SPCH-1110: Public Speaking (or Human Communications)

MATH-1010: Intermediate Algebra (or Business Math or Tech Math)

LPNR-1110: Body Structure and Function

HLTH-1060: Medical Terminology

PRDV-1010: Achieving College Success

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
MATH-1010 OR MATH- 1020 OR BSAD-1500	Intermediate Algebra OR Technical Math OR Business Math	3			
BIOS-1160 OR LPNR-1110	Introduction to Human A & P W/Lab OR Body Structure and Function				
#		4			
PRDV-1010	Achieving College Success	3			
HLTH-1060	Medical Terminology	3			
	Minimum Required Gen Ed Credits	19			
	Required Core				
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 I	3			
SURT-1125	Pharmacology for the Surgical Technologist	2			
SURT-2050	Surgical Procedures II	4			
SURT-2050L	Principles & Practices of Surgical Technology 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 Core Credits	41			
	Total Degree Credits	60			AAS Degree Completion

Theater AFA Option AFA.1399

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

Top Four Recommended Dual-Credit Courses in this program:

ENGL-1010: English Composition I

SPCH-1110: Public Speaking

MATH-1170: Math Applications

BIOS-1010: General Biology with Lab

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
ENGL-1010	English Composition 1	3			
ENGL-1020	English Composition 2	3			
SPCH-1110 or SPCH-1200	Public Speaking Human Communications				
#		3			
MATH-1170	Math Applications	3			Or higher
Science	Any BIOS, CHEM, PHYS Lab Science				
#		4			
Literature/ Humanities	Any two classes from the following areas: English, Aesthetics, World History, Philosophy, Foreign Language. (See catalog or student planner for specific qualifying courses.)				Select two different alphas
#		3			
#		3			
Social Science	Any two classes from the following areas: (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.)				Select two different alphas (Econ is highly recommended)
#		3			
#		3			
PRDV-1010	Achieving College Success	3			
	Minimum Required Gen Ed Credits	31			
	Required Core				
THEA-1200	Movement	3			
THEA-1300	Voice and Articulation	3			
THEA-1760	All College Play	2			Repeat for 2 semesters
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 Core Credits	29			
	Total Degree Credits	60			

Welding Technology AAS.4805C

Western Nebraska Community College Welding Technology provides opportunities for pursuing and maintaining a Welding Career. We also serve our community with evening / weekend classes for credit or hobby. WNCC Welding Technology Instructors bring real world experience to the welding lab and classroom involving: structural steel buildings, piping systems, fabrication, maintenance-repair, railcar-repair, and more.

WNCC offers training at our Scottsbluff Campus in the following welding processes:

- **Shielded Metal Arc Welding** - Provides training in all positions on mild steel with single and multi-pass welds. WNCC has classes in structural steel and pipe welding meeting code standards for AWS (structural), ASME (pressure piping), and API (cross country piping).
- **Gas Metal Arc Welding** - Provides training in all positions on mild steel, with single and multi-pass welds using short circuit transfer and spray transfer modes.
- **Flux Cored Arc Welding** - Provides training in all positions on mild steel, with and without shielding gas.
- **Gas Tungsten Arc Welding** - Training is provided on mild steel, stainless steel, aluminum plate, and carbon steel pipe and tubing in all positions.
- **Oxyacetylene Welding, Cutting and Braze Welding** - The oxyacetylene welding curriculum teaches the student to flame cut plate, weld, and braze weld mild steel in the flat and horizontal positions.

Top eight Recommended Dual-Credit Courses in this program:

AMDT-1000: OSHA-10 Hour for General Industry

WELD-1015: Introduction to Welding

WELD-1120: Basic Gas Metal Arc Welding

WELD-1125: Flux Cored Arc Welding

WELD-1200: Basic Shielded Metal Arc Welding

WELD-1250: Advanced Shielded Metal Arc Welding

ENGL-1010: English Composition I OR Workplace Writing

MATH-1020: Technical Math

Course Number	Course Title	Cr. Hrs.	Offer	Comp	Notes or Certifications
	Required General Education				
AMDT-1000	OSHA 10 for General Industry	1			
WELD-1015	Introduction to Welding	3			
WELD-1120	Gas Metal Arc Welding	3			
WELD-1125	Flux Cord Arc Welding	3			
WELD-1200	Basic Shielded Metal Arc Welding	3			
WELD-1250	Advanced Shielded Metal Arc Welding	3			
	Total Certification Credits	16			Basic Welding Cert.
WELD-1050	Basic Gas Tungsten Arc Welding	3			
WELD-1300	Blueprint Reading for Welders and Fitters	3			
WELD-2025	Structural Welding	3			
WELD-2110	Downhill Pipe Welding	3			
WELD-1225	Uphill Pipe Welding	3			
WELD-2150	Advanced Gas Tungsten Arc Welding	3			
	Total Certification Credits	18			Advanced Welding Cert
	Courses for Diploma				
ENGL-1000	Workplace Writing	3			
MATH-1020	Technical Math	3			
	One course selected from Communication, Science, Social Science, or Personal Development Credits				
#		3			
WELD-1130 OR WELD-1170 OR WELD-2500	One course selected from these three: Advanced Gas Metal Arc Welding OR Arc Welding and Shop Fabrication OR Welding Technology Internship	3			
	Total Additional Credits for Diploma	12			
	All courses from Basic and Advanced Certifications				
	Total Diploma Credits	46			Welding Diploma
	Courses for AAS Degree				
SPCH-1110 or SPCH-1200	Public Speaking OR Human Communications				
#		3			
Social or Lab Science	Any BIOS, CHEM, PHYS Lab Science OR Any Social Science (Social/Behavioral, Race/Ethnic/Gender, Econ/Political Science/History. (See catalog or student planner for specific qualifying courses.				
#		3/4			
PRDV-1010	Achieving College Success	3			
WELD-2500	Welding Internship	1-3			
	Total Additional Credits for AAS	10-13			
	All courses from Basic and Advanced Certifications, and Diploma				
	Applied Technology electives	4-7			
	Total AAS Welding Credits	60			Welding AAS Degree

