

APPLIED TECHNOLOGY

Scottsbluff/Sidney/Alliance

NOTE: Since not all courses are available at each site, students need to be aware that they should work closely with a faculty advisor when considering this degree and specific skill areas.

Programs and Awards:

AOS. 4799 Applied Technology

The Applied Technology Division in cooperation with CBIT has developed this program for someone needing a wide variety of skills for current job enrichment or employment. Students working with their faculty advisor can design programs of study to meet their individual needs. Students must complete 14-17 credits of the required General Education Core, 14 credits of the required Basic Applied Technology Core, and a combination of skill awards to total at least 60 credit hours. All electives used to fulfill graduation requirements for this AOS must be pre-approved by the assigned faculty advisor and each student's final plan must be approved by the faculty advisor and the Applied Technologies Division Chair.

NOTE: Students may use one skill award from another AOS in this degree program. If the skill award originates from another Division, the use of the skill award must be approved in advance by the Chairs of both Divisions.

Required General Education

MATH-0150 Technical Mathematics or higher	
or	
OFFT-1500 Business Mathematics	3-4
OFFT-1210 Business Communications	
or	
ENGL-0500 Work Place Writing	
or	
ENGL-1500 English Composition I or higher	3
OFFT-2400 Career Development	
or	
Internship	3

Plus 6-7 Credits from the following:

Human Relations/Psychology/Social Science	3
BSAD-2450 Business Ethics	3
SPCH-1200 Speech Communications	
or	
SPCH-1390 Public Speaking	3
OFFT-1100 Personal Finance	3
PHYS-1020 Technical Science	3
Science or General Education Elective	3-4

15-17 Credits

Required Applied Technology Core and Skill Awards

Required Basic Core

Internet/Computer Skills	3
HLTH-1100 First Aid	5
HLTH-1090 CPR	5
ENVR-1300 Safety Awareness (Hazardous Materials) .5	
TRAN-XXXX Forklift Training5
INFO-1100 Microcomputer Applications	3
Applied Technology Courses (AUTB, AUTO, AVIA, CNST, DRAF, ELEC, ELTR, WELD)**	6

Total Credits 14

****If an Applied Technology course is used as a skill award course, it cannot also be used to fulfill a requirement in the Applied Technology Core.**

Skill Area #1: Building Construction

CNST-XXXX Residential Building Construction	3
ELTR-XXXX Residential Electrical Wiring	3
6 Credits	

Skill Area #2: CADD

DRAF-1250 Computer Aided Drafting & Design	3
DRAF-2300 Computer Aided Drafting & Design 2	3
DRAF-2350 Computer Aided Drafting & Design 3	3
DRAF-XXXX Architectural Drafting	3
9-12 Credits	

Skill Area #3: Hazardous Materials

ENVR-1150 Introduction to Hazardous Materials	3
ENVR-1200 Hazardous Materials: Regulations 1: OSHA.....	3
ENVR-2350 H.M.: Emergency Response II	3
9 Credits	

~~Skill Area #4: Railroad General~~ ← This Option is No Longer Available

TRAN 2400 RR Safety, Quality & Environment	3
TRAN 2410 Railroad Operations	3
Railroad Elective	3
6-9 Credits	

~~Skill Area #5: Railroad Train Service~~ ← This Option is No Longer Available

TRAN XXXX Safety Training	5
TRAN XXXX Conductor Training	18
18-18.5 Credits	

Skill Area #6: Technology Craft

WELD-1000 Basic Welding & Shop Fabrication	3
WELD-1090 Oxy-Acetylene Welding ...	3
WELD-1100 Basic Arc Welding	6
ELEC-1400 DC Circuits Analysis	3
ELEC-1410 AC Circuits Analysis	3
15-18 Credits	

Skill Area #7: Fabrication

WELD-1300 Blueprint Reading for Welders & Fitters	3
WELD-1150 Shop Fabrication I	3
WELD-2020 Shop Fabrication II	3
WELD-XXXX WELD Internship I	1
WELD-XXXX WELD Internship II	1
11 Credits	

Skill Area #8: Individual Skill Award

The individualized skill award consists of courses/workshops related to the student's plan of study. These related courses/workshops must be pre-approved by the assigned faculty advisor and the Applied Technology Division Chair. If any of these related courses/workshops originate from another division, the use of that course/workshop in this Skill Award must also be approved in advance by the originating Division.

6-9 Credits

Note: Industry workshops, if approved for experiential credit award (which is based on contact hours and course content, and subject to faculty advisor approval) may qualify for skill area.

Course descriptions and syllabi for these programs can be found on the WNCC website at

http://www.wncc.net/programs/courses_by_subject.html