

Recommended Plan of Study

1st Semester		Credits
AUTB-1150	Non-Structural Analysis & Damage Repair I	6
AUTB-2150	Non-Structural Analysis & Damage Repair II	6
ENGL-0500	Workplace Writing (or higher)*	3
WELD-1070	Auto Body Welding	3
Total Credits		18
2nd Semester		Credits
AUTB-1170	Paint & Refinish I	6
AUTB-1200	Plastics & Adhesives	3
AUTB-2170	Paint & Refinish II	6
MATH-1020	Technical Math (or higher)*	3-4
Total Credits		18-19
3rd Semester		Credits
AUTB-1220	Electrical & Mechanical Components	1-3
AUTB-1400	Structural Analysis & Damage Repair I	6
AUTB-2500	AUTB Internship or Technical elective	6
Total Credits		13-15
Total Diploma Credits		43-46

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

Certificate

C2.4706 (30-37 Credits)

The certificate in auto body technology is designed to fulfill at least 30 credit credits of the auto body technology diploma. Students must complete three (3) credits of English and three (3) credits of math or show competency in writing and mathematics by assessment. An industry certification test will waive the writing and mathematics requirement.

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

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MATH-1020	Technical Math (or higher)*	3-4
Total Credits		18-19
Total Certificate Credits		30-37

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Automotive Technology

Associate of Occupational Studies (AOS) Certificate Scottsbluff

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

Technical Standards

Upon successful completion of a course of study in one of the aspects of the automotive maintenance and repair, students will be able to:

- Demonstrate safe, clean work habits, attitudes, and proficiencies required in the area of automotive maintenance, problem diagnosis, repair, function/appearance restoration, or paint and refinishing.
- Demonstrate a professional work ethic and cooperative attitude necessary for successful employment in a service industry.
- Perform repairs under conditions similar to those found in the automotive industry.
- Work effectively with others in order to accomplish tasks requiring collaboration or teamwork to complete the job.

- Research shop manuals and Internet sites for correct repair procedures or specifications and write a descriptive work order upon completion of repairs.
- Identify, select, and utilize correct tools, workshop techniques, and equipment to accomplish complete projects commonly found in the automotive industry.
- Apply individual and clustered skill sets listed in the competency task lists relating to various aspects of automotive industry maintenance and repair.
- The overall performance standards for the automotive technology program link to an extensive set of subject-area criteria which cover not only knowledge levels but skills demonstrations verified through the required completion of specified tasks established by the National Association of Automotive Technicians Education Foundation (NATEF) in accordance with expectations from the National Institute for Automotive Service Excellence (ASE).

Objectives

- Develop in each student safe, clean work habits, attitudes, and skills.
- Provide information concerning the vocational opportunities offered in this area of technological development.
- Provide the student the opportunity to learn by doing under high quality conditions similar to those found in advanced automotive industry settings.
- Assist the student to learn to work effectively with others.
- Develop in each student, knowledge of correct lab techniques and equipment usage, resulting in an intelligent and effective application of these skills in the performance of assigned duties.
- Develop in each student the technical and academic knowledge necessary to expand on lifelong learning as the automotive industry continually updates.

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

Note:

The curriculums for the certificate and AAS degree in automotive technology, as well as a new diploma program, are under review and revision. Please contact the lead faculty for automotive technology at 308.635.6087 for specific information about the programs.

Aviation Maintenance

Associate of Occupational Studies

Certificate

Sidney

The Aviation Maintenance Technician 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 is broken into three phases—general phase, airframe maintenance phase, and power plant phase—for a minimum total of 1900 clock credits. Upon successful completion, the student is eligible to take the FAA examinations for the airframe and power plant license.

Technical Standards

Technical standards for the aviation maintenance program at Western Nebraska Community College are promulgated upon an extensive set of subject-area criteria which cover not only knowledge levels but skills demonstration established by the FAA in 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/Regulatory_and_Guidance_Library and should be carefully reviewed by prospective students in order to best understand the scope and demands of training. The curriculum for the program is specified in Part 147 – Aviation Maintenance Technician Schools.

Objectives

- Develop in each student safe, clean work habits, attitudes, and skills.
- Develop a thorough knowledge of Federal Aviation Regulations.
- Develop knowledge and skills of all phases of aviation repair.
- Allow students to acquire, develop, and apply both academic knowledge and practical skills.
- Provide students the opportunity to explore aviation technology careers.
- Allow students to individualize their plan of study, (within parameters and with the help of their assigned faculty advisor).
- Allow students to incorporate business and industry courses into their individual plan of study.
- Prepare students for the FAA Exams.

Notes

- Course availability may differ from semester to semester. See advisor prior to registration.