

► **Contact Information**

Terry Marohl,
Terry.Marohl@ndscs.edu
701-671-2308
Bisek Hall 111

► **Delivery Methods**

Face-to-Face: Fargo

The Aviation Maintenance Technician program is designed to prepare students for the many employment opportunities in the aviation industry.

Students are given extensive training and practical experiences in servicing all types of mechanical, electrical and structural systems of airplanes.

Students enrolled in the Aviation Maintenance Technician program study a variety of subjects, including welding, hydraulics, aerodynamics, aircraft drawings, physics, piston and turbine engines, aircraft systems, aircraft structure, electrical and many more. Training facilities are in excellent condition and labs are very well-equipped.

Students graduating from this Federal Aviation Administration (FAA) certified program are eligible to test for the airframe and powerplant certification upon completion. Graduates career opportunities in the aviation sector include employment at airlines, fixed base operators, manufacturers, repair stations or general aviation programs.

Course Code	Course Title	Credits
FYE 101	Science of Success	1
GEN 101	Human Factors	1
GEN 102	Mathematics	1
GEN 103	Physic for Aviation	1
GEN 104	Electronic Fundamentals	2
GEN 105	Aircraft Drawings	1
GEN 106	Materials & Processes	1
GEN 107	Regulations & Mechanic Privileges	1
GEN 108	Inspection Tools & Techniques	1
GEN 109	Cleaning & Corision Control	2
GEN 110	Aircraft Weight & Balance	1
GEN 111	Fluid Lines & Fittings	1
GEN 112	Ground Operation s& Services	1
		<u>15</u>
AIR 101	Flight Controls	2
AIR 102	Metallic Structures	3
AIR 103	Non-Metallic Structures	2
AIR 104	Hydraulic & Pneumatic Systems	2
AIR 105	Aircraft Electrical Systems	2
AIR 106	Landing Gear	2
AIR 107	Aircraft Fuel Systems	2
AIR 108	Environmental Systems	2
AIR 109	Ice, Rain, Water & Waste Systems	2
AIR 110	Airframe Fire Protection	2
AIR 111	Aircraft Instrument Systems	2
AIR 112	Communication & Navigation	2
AIR 113	Airframe Inspection	2
		<u>27</u>
POW 101	Engine Electrical Systems	2
POW 102	Engine Instrument Systems	2
POW 103	Lubrication Systems	2
POW 104	Reciprocating Engines	3
POW 105	Turbine Engines	3
POW 106	Ignition & Starting Systems	2
POW 107	Fuel & Fuel Metering Systems	2
POW 108	Engine Exhaust & Reversers	2
POW 109	Propellers	1
POW 110	Engine Fore Protection Systems	1
POW 111	Engine Inspection	1
		<u>22</u>
Total Required Credits for Certificate		64
Total Required Credits for Associate in Applied Science		79

To earn an Associate in Applied Science (A.A.S) in Aviation Maintenance Technician program, students must also successfully complete in addition to the Aviation Maintenance Technician core courses, 15 credits of general education courses. Below are the general education courses required and recommended for the Aviation Maintenance Technician degree.

AAS General Education Program

- English / Communication (3 credits)
Recommended: ENGL 105 or COMM 110
- Mathematics and/or Science (2 credits)
Recommended: Math 103 or BIOL 109
- Social and Behavioral Sciences, Humanities, History and/or Computer Technology (2 credits)
Required: CIS 101
- Wellness (2 credits)
Recommended: HPER 100 or HPER 101 or HPER 210
- General Education Electives (6 credits)
Recommended: Can be any courses listed on the NDSCS General Education Matrix found in the current Academic Catalog. Please consult with your Academic Advisor on available general education courses.

Admission Requirements*

The applicants must be high school graduates or equivalent. Students considered for acceptance must complete all admission requirements.

**Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

Award

Upon successful completion of the required courses, students will be awarded a certificate or an Associate of Applied Science (A.A.S.) degree in Aviation Maintenance Technician