

Diesel Technology (General Diesel)

Degree Type

Associate in Applied Science or Diploma

Contact Information

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Delivery Methods

Face-to-Face: Wahpeton

The Diesel Technology program is designed to prepare students for the many employment opportunities in the diesel industry.

This unique program allows students to enter the program at the beginning of any eight-week period. This program gives students the option of earning a diploma or applied science degree. Students are given extensive training and practical experiences in servicing all types of engines, drive trains, hydraulic systems and electrical systems found on trucks, agricultural and industrial equipment.

Students enrolled in Diesel Technology learn the theory of operation along with the latest repair and diagnostic procedures available in the diesel industry. Training facilities are in excellent condition and labs are very well-equipped.

Green technology is addressed through changes in emission standards and alternative fuels that will continue to advance changes in this industry.

Students graduating from Diesel Technology are fully employable upon completion of this program. Diesel Technology graduates are employed by agricultural, industrial (truck and heavy equipment), construction equipment companies, mining industries or fleet owners. Some students may wish to continue their education by returning for an additional year and earn a minor in Automotive Technology.

Students seeking an Associate in Applied Science degree are required to complete both English 105 and 110, Math 125 and 324 hours of work experience (DTEC 297).

The Diesel Technology program is accredited by the AED Foundation and the National Automotive Technicians Education Foundation, Inc. (NATEF) at the Automotive Service Excellence (ASE) Master Automobile Service Technology level.

Admission Requirements*

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

Please Note: Students are placed into English, math and reading courses based on ACT, ACCUPLACER or other nationally recognized tests. Please see www.ndscs.edu/current-students/student-success/test-center for the NDSCS Course Placement Policy and testing information. Students may be on an extended plan of study pending their course placement.

**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 diploma or an Associate in Applied Science degree in Diesel Technology – General Diesel.

Required Courses

Course Code	Title	Credits
DTEC 109	Air Conditioning for Diesel Technology	2
DTEC 110	Diesel Equipment Maintenance	3
DTEC 115	Introduction to Light and Medium Duty Engines	4
DTEC 125	Intro to Heavy Duty Drive Systems	3
DTEC 135	Medium/Heavy Duty Brake Systems	2
DTEC 155	Electricity for Diesel Technology	4
DTEC 164	Introduction to Mobile Hydraulics	4
DTEC 215	Heavy Duty Diesel Engines	7
DTEC 225	Heavy Duty Drive Systems	7
DTEC 255	Heavy Duty Chassis Electrical Systems	7
DTEC 265	Mobile Hydraulic Systems Diagnostics and Repair	7
MFGT 110	Industrial Shop Practices	2

Associate in Applied Science

Course Code	Title	Credits
DTEC 109	Air Conditioning for Diesel Technology	2
DTEC 110	Diesel Equipment Maintenance	3
DTEC 115	Introduction to Light and Medium Duty Engines	4
DTEC 125	Intro to Heavy Duty Drive Systems	3
DTEC 135	Medium/Heavy Duty Brake Systems	2
DTEC 155	Electricity for Diesel Technology	4
DTEC 164	Introduction to Mobile Hydraulics	4
DTEC 215	Heavy Duty Diesel Engines	7
DTEC 225	Heavy Duty Drive Systems	7
DTEC 255	Heavy Duty Chassis Electrical Systems	7
DTEC 265	Mobile Hydraulic Systems Diagnostics and Repair	7
DTEC 297	Cooperative Education for Diesel Technology	1
MFGT 110	Industrial Shop Practices	2

Related/General Education Courses Diploma

Course Code	Title	Credits
	ENGL 105 or ENGL 110	3
	Wellness Elective(s) (2 credits)	2
MATH 120	Basic Mathematics I	2
MATH 123	Basic Mathematics II	2
	Social and Behavioral Sciences, Humanities, History and/or Computer Electives (4 credits)	4
FYE 101	Science of Success	1

Associate in Applied Science

Course Code	Title	Credits
ENGL 110	College Composition I	3
	English/Communication Elective (choose one)	3
	Wellness Elective(s) (2 credits)	2
MATH 120	Basic Mathematics I	2
MATH 123	Basic Mathematics II	2
MATH 125	Basic Mathematics III	2
	Social and Behavioral Sciences, Humanities, History and/or Computer Electives (4 credits)	4
FYE 101	Science of Success	1

* Diploma students take [ENGL 105](#) or [ENGL 110](#)

Suggested sequence of study

All 100 course classes must be completed before advancing to the 200 course classes.

NOTE: Students may enter this program at the beginning of any semester. A student may be able to start in the middle of a semester; for information please contact the Diesel Technology Department.

Total Required Credits	66-73
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