

Diesel Technology (Case IH)

Degree Type

Associate in Applied Science

Contact Information

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Delivery Methods

Face-to-Face: Wahpeton

The Case IH program is designed to develop technically competent, professional service technicians for participating Case IH dealerships.

This program combines state-of-the-art, on-campus training with internships at a sponsoring Case IH dealership. Students receive technical training on Case IH equipment and related products through a combination of classroom instruction and hands-on laboratory experiences. Classroom and laboratory instruction at NDSCS covers the basics of each subject plus the latest developments in Case IH agricultural equipment. Work experience at the dealership reinforces on-campus training and exposes the student to real life shop service practices.

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

The Case IH program takes five semesters or approximately 20 months to complete. The five semesters are divided into 9 terms, each approximately eight weeks in length. Students complete the first, second, third, fifth, seventh, eighth and ninth terms on campus and the fourth and sixth terms at a participating Case IH dealership.

Admission Requirements*

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

Required minimum placement scores:

ACT

Reading – 15
English – 15

ACCUPLACER NEXT GENERATION

Reading – 240
Writing – 237

Or transfer equivalencies will apply as appropriate

Applicants not meeting the above requirements are encouraged to visit with the Diesel Technology Department at 701-671-2330 or academic counselor at 701-671-2257 for strategies to meet the 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 an Associate in Applied Science degree in Diesel Technology with an emphasis in Case IH.

Required Courses

Course Code	Title	Credits
DTEC 109	Air Conditioning for Diesel Technology	2
DTEC 115	Introduction to Light and Medium Duty Engines	4
DTEC 125	Intro to Heavy Duty Drive Systems	3
DTEC 155	Electricity for Diesel Technology	4
DTEC 164	Introduction to Mobile Hydraulics	4
MFGT 110	Industrial Shop Practices	2
CIH 106	Case IH Shop Service Management	2
CIS 215	Implementing a Microsoft Windows Server Environment	4
CIS 216	Implementing a Microsoft Windows Network Infrastructure	4
CIH 225	Case IH Power Trains	4
CIH 255	Case IH Electrical/Electronics Diagnostics	5
CIH 260	Case IH Advanced Farming Systems (AFS)	3
CIH 265	Case IH Hydraulic Systems	5
CIH 110	Case IH Internship I	4
CIH 210	Case IH Internship II	4

Related/General Education Courses

Course Code	Title	Credits
ENGL 110	College Composition I	3
	English/Communication Elective (choose one)	3
MATH 120	Basic Mathematics I	2
MATH 123	Basic Mathematics II	2
MATH 125	Basic Mathematics III	2
	Wellness Elective(s) (2 credits)	2
	Social and Behavioral Sciences, Humanities, History and/or Computer Electives (4 credits)	4
FYE 101	Science of Success	1
	Total Required Credits	73