

Diesel Technology (Komatsu)

Degree Type

Associate in Applied Science

Contact Information

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Delivery Methods

Face-to-Face: Wahpeton

The Komatsu program is designed to develop technically competent, professional service technicians for participating Komatsu dealers regionally and throughout the world.

This program combines state-of-the-art, on-campus training with internships at a sponsoring Komatsu dealership. Students receive technical training on Komatsu equipment 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 Komatsu construction 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 Komatsu 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, and ninth terms on campus and the fourth, sixth and eighth terms at a sponsoring Komatsu 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 the 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 Komatsu.

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
KMTS 106	Introduction to Komatsu Service	3
KMTS 215	Komatsu Engine and Fuel Systems	5
KMTS 225	Komatsu Powertrains and Undercarriage	4
KMTS 255	Komatsu Electrical/Electronics	4
KMTS 265	Komatsu Advanced Hydraulic Systems	4
KMTS 110	Komatsu Internship I	4
KMTS 210	Komatsu Internship II	5
KMTS 220	Komatsu Internship III	5
KMTS 116	Komatsu Machine Structure and Work Equipment	3

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	75