

Diesel Technology: Field Maintenance

Our Diesel Technology programs offer a unique, hands-on technology education recognized by industry leaders as on the nation's leading diesel programs. Our curriculum is relevant to students' lives and careers, valuable in terms of content and competencies and connected to the needs of industry. It strives to provide an environment that fosters excellence in learning and one that nurtures discovery of knowledge for advancement, academic excellence in the classroom, and personal growth through collaboration and teamwork.

Bachelor of Science Diesel Technology: Field Maintenance Option

Learning Outcomes: Demonstrate the effectiveness of incorporating computer based testing with the B.S. Diesel Technology - Field Maintenance program. The student will successfully complete selected weld performance certifications. Successful completion and submission of electronic work-orders.

Required Courses

Code	Title	Credits
General Education Core (https://catalognow.msun.edu/general-education-core/general-education-core) ¹		33
Required Courses		
ATDI 134	Electrical/Electronic Sys I	6
ATDI 264	Electrical/Electronic Sys II	6
ATDI 265	Heating and Air Conditioning	4
ATDI 384	AT/DI Elctrc/Elctrn Sys III	4
ATDI 400	Shop Procedures	3
DST 104	Intro to Diesel Engines	3
DST 114	Intro to Diesel Engines Lab	3
DST 115	Intro to Diesel Fuel Systems	5
DST 204	Intro to Hydraulics Pneumatics	2
DST 214	Intro to Hydr Pneumatics Lab	2
DST 216	Heavy Duty Power Trains	4
DST 264	Diesel Engine Diagnosis Repair	3
DST 274	Diag Diesel Engine Repair Lab	3
DST 314	Hydraulics and Pneumatics II	4
DST 434	Current Model Year Technology (Capstone)	3
DST 440	Advanced Fuel Systems	4
DST 450	Diag Pwr Shifts and HD Atmtics	4
MCH 200	Machining	3
WLDG 110	Welding Theory I	2
WLDG 111	Welding Theory I Practical	2
WLDG 114	Mig/Tig Welding	3
WLDG 186	Welding Qual Test Prep w/Lab	3
WLDG 260	Repair & Maintenance Welding	3
WLDG 356	Welding Certifctn Procdrs II	3
WLDG 357	Welding Certifctn Procdrs III	3
Total minimum credits required for degree		120

* Please Note: In addition to WRIT 350 and TSCI 304, four (4) credits of the General Education Core must be at the upper division level.