

## Program Curriculum

<i>First Semester Freshman</i>	<i>Semester Hours</i>
DET 1114 Fundamentals of Equipment Mechanics	4
DET 1364 Diesel Systems I	4
DET 1223 Electrical/Electronic Systems	3
DET 1713 Transportation Power Train	3
Mathematics/Science Elective	3
LLS 1311 Orientation	<u>1</u>
<b>Total Hours</b>	<b>18</b>

<i>Second Semester</i>	<i>Semester Hours</i>
DET 1263 Electrical/Electronic Systems II	3
Instructor-Approved Technical Elective	3
DET 1513 Hydraulics I	3
DET 1614 Preventative Maintenance and Service	4
Social/Behavioral Science Elective	<u>3</u>
<b>Total Hours</b>	<b>16</b>

<i>Third Semester Sophomore</i>	<i>Semester Hours</i>
DET 1374 Diesel Systems II	4
DET 2273 Electrical/Electronic Systems III	3
DET 2253 Steering & Suspension Systems	3
ENG 1113 English Composition I	3
Humanities/Fine Arts Elective	<u>3</u>
<b>Total Hours</b>	<b>16</b>

<i>Fourth Semester</i>	<i>Semester Hours</i>
DET 2113 Welding for DET	3
DET 1813 Air Conditioning and Heating Systems	3
DET 2623 Advanced Brake System (Air)	3
SPT 1113 Oral Communication	<u>3</u>
<b>Total Hours</b>	<b>12</b>

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## Career Technical Education Diesel Equipment Technology

### Program Description

The Diesel Equipment Technology Program is a two-year degree program that provides students with competencies required to maintain and repair a variety of industrial diesel equipment, including agricultural tractors, commercial trucks, and construction equipment. The program includes instruction in inspection, repair, and maintenance of engines, power trains, hydraulic systems, and other components.

An Associate of Applied Science degree can be obtained after successful completion of two years and a certificate can be obtained upon successful completion of the first year. ASE certification can be obtained after successful completion of the program.



### Admission Requirements

Priority given to applicants with ACT composite of 16 or equivalent ACCUPLACER score. All applicants must present documents of their scores.

### Job Opportunities

Technician in Diesel engine performance and repair, Electrical and electronic systems, Diesel drive train systems, Automatic diesel transmission, Suspension and steering systems, brake and hydraulic systems.

### Contact Information

Kevin Bennett, Program Director 601-276-3739

Career Technical Counselor  
601-276-3722

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