# Diesel Mechanics Technology

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CAREER OPPORTUNITIES

Diesel Mechanics may be hired as mechanics working on engines, automatic transmissions, drive trains, electrical systems, suspension and steering, hydraulics, and air systems. They work on heavy equipment, farm equipment, and on-highway trucks. Diesel mechanics diagnose, repair, weld, and fine-tune the working parts of buses, trucks, construction machinery, and generators. Students pursuing a Bachelor of Science degree in Technology Management can expect opportunities as shop managers, service writers, equipment managers, fleet managers and product development.

PROGRAMS

Four options are available: One-year Certificate, Diploma, and Associate in Applied Science Degree, and the Bachelor of Science in Technology Management Degree.

Reminder: An overall grade point average of 2.0 (C) or above is required for graduation.

## Certificate in Diesel Mechanics Technology 31 Credits

| Discipline Core Requirements: | | 31 Credits |
|---|---|---|
| • DMT 1110 | Diesel Engine Overhaul | 4.0 |
| • DMT 111L | Diesel Engine Overhaul Lab | 2.0 |
| • DMT 1120 | Diesel Engine Operation/Tune Up | 4.0 |
| • DMT 112L | Diesel Engine Operation/Tune Up Lab | 2.0 |
| • DMT 1510 | Electrical Systems Theory | 4.0 |
| • DMT 151L | Electrical Systems Lab | 2.0 |
| • DMT 1520 | Engine Electronics and Diagnostics Theory | 4.0 |
| • DMT 152L | Engine Electronics and Diagnostics Lab | 2.0 |
| • ENGL 106A | Career Writing for Technology--A | 2.0 |
| • AUT 1260 | Tech Math for Mechanics | 3.0 |
| or MAT 1000 | Integrated Beginning and Intermediate Algebra (5.0) | |
| or Any higher MAT or MATH course | | |
| • Any approved Behavioral Science, Social, or Political Science Distribution Course | | 2.0 |

Graduation Requirements:
1 Completion of a minimum of 31 semester credits.
2 Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3 Completion of specified departmental requirements.
4 Residency hours -- minimum of 10 credit hours through course attendance at UVU.

## Diploma in Diesel Mechanics Technology 55 Credits

| Discipline Core Requirements: | | 55 Credits |
|---|---|---|
| • DMT 1110 | Diesel Engine Overhaul | 4.0 |
| • DMT 111L | Diesel Engine Overhaul Lab | 2.0 |
| • DMT 1120 | Diesel Engine Operation/Tune Up | 4.0 |
| • DMT 112L | Diesel Engine Operation/Tune Up Lab | 2.0 |
| • DMT 1510 | Electrical Systems Theory | 4.0 |
| • DMT 151L | Electrical Systems Lab | 2.0 |
| • DMT 1520 | Engine Electronics and Diagnostics Theory | 4.0 |
| • DMT 152L | Engine Electronics and Diagnostics Lab | 2.0 |
| • DMT 2230 | Climate Control Theory | 2.0 |
| • DMT 223L | Climate Control Lab | 1.0 |
| • DMT 2310 | Fluid Power Theory | 4.0 |
| • DMT 231L | Fluid Power Lab | 2.0 |
| • DMT 2320 | Fluid Power Transmission Theory | 2.0 |
| • DMT 232L | Fluid Power Transmission Lab | 1.0 |
| • DMT 2410 | Chassis Theory | 4.0 |
| • DMT 241L | Chassis Lab | 2.0 |
| • DMT 2420 | Power Trains Theory | 4.0 |
| • DMT 242L | Power Trains Lab | 2.0 |
| • ENGL 106A | Career Writing for Technology--A | 2.0 |
| • AUT 1260 | Tech Math for Mechanics | 3.0 |
| • Any approved Behavioral Science, Social, or Political Science Distribution Course | | 2.0 |

Graduation Requirements:
1 Completion of a minimum of 55 semester credits.
2 Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3 Completion of specified departmental requirements.
4 Residency hours -- minimum of 20 credit hours through course attendance at UVU.

## AAS in Diesel Mechanics Technology 64 Credits

| General Education Requirements: | | 16 Credits |
|---|---|---|
| • ENGL 1060 | Career Writing for Technology | 3.0 |
| • AUT 1260 | Tech Math for Mechanics | 3.0 |
| or MAT 1000 | Integrated Beginning and Intermediate Algebra (5.0) | |
| or Any higher MAT or MATH course | | |
| • Any approved Humanities, Fine Arts, or Foreign Language Distribution Course | | 3.0 |
| • Any approved Behavioral Science, Social, or Political Science Distribution Course | | 3.0 |
| • Any approved Biology or Physical Science Distribution Course | | 3.0 |
| • Any approved Physical Education, Health, Safety or Environment Course | | 1.0 |

| Discipline Core Requirements: | | 48 Credits |
|---|---|---|
| • DMT 1110 | Diesel Engine Overhaul | 4.0 |
| • DMT 111L | Diesel Engine Overhaul Lab | 2.0 |
| • DMT 1120 | Diesel Engine Operation/Tune Up | 4.0 |
| • DMT 112L | Diesel Engine Operation/Tune Up Lab | 2.0 |
| • DMT 1510 | Electrical Systems Theory | 4.0 |
| • DMT 151L | Electrical Systems Lab | 2.0 |
| • DMT 1520 | Engine Electronics and Diagnostics Theory | 4.0 |
| • DMT 152L | Engine Electronics and Diagnostics Lab | 2.0 |
| • DMT 2230 | Climate Control Theory | 2.0 |
| • DMT 223L | Climate Control Lab | 1.0 |
| • DMT 2310 | Fluid Power Theory | 4.0 |
| • DMT 231L | Fluid Power Lab | 2.0 |
| • DMT 2320 | Fluid Power Transmission Theory | 2.0 |
| • DMT 232L | Fluid Power Transmission Lab | 1.0 |
| • DMT 2410 | Chassis Theory | 4.0 |
| • DMT 241L | Chassis Lab | 2.0 |
| • DMT 2420 | Power Trains Theory | 4.0 |
| • DMT 242L | Power Trains Lab | 2.0 |

Graduation Requirements:
1 Completion of a minimum of 64 semester credits.
2 Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3 Residency hours--minimum of 20 credit hours through course attendance at UVU.
4 Completion of GE and specified departmental requirements.

## BS in Technology Management: 125 Credits

The following Technical Area is available (see the Technology Management section of this catalog for complete degree requirement listings.)

### Specialization in Diesel Mechanics Technology 48 Credits

| Emphasis Requirements: | | 48 Credits |
|---|---|---|
| • DMT 1110 | Diesel Engine Overhaul | 4.0 |
| • DMT 111L | Diesel Engine Overhaul Lab | 2.0 |
| • DMT 1120 | Diesel Engine Operation/Tune Up | 4.0 |
| • DMT 112L | Diesel Engine Operation/Tune Up Lab | 2.0 |
| • DMT 1510 | Electrical Systems Theory | 4.0 |
| • DMT 151L | Electrical Systems Lab | 2.0 |
| • DMT 1520 | Engine Electronics and Diagnostics Theory | 4.0 |
| • DMT 152L | Engine Electronics and Diagnostics Lab | 2.0 |
| • DMT 2230 | Climate Control Theory | 2.0 |
| • DMT 223L | Climate Control Lab | 1.0 |
| • DMT 2310 | Fluid Power Theory | 4.0 |
| • DMT 231L | Fluid Power Lab | 2.0 |
| • DMT 2320 | Fluid Power Transmission Theory | 2.0 |
| • DMT 232L | Fluid Power Transmission Lab | 1.0 |
| • DMT 2410 | Chassis Theory | 4.0 |
| • DMT 241L | Chassis Lab | 2.0 |
| • DMT 2420 | Power Trains Theory | 4.0 |
| • DMT 242L | Power Trains Lab | 2.0 |

Due to the technical nature of the material in DMT courses, additional reading and math instruction may be required. More information will be given during advisement.

See Course Descriptions section of the catalog for detailed course information. This department manages the following course prefixes:

- AUT, Automotive Technology
- CRT, Collision Repair Technology
- DMT, Diesel Mechanics Technology