

Advisor \_\_\_\_\_



Name \_\_\_\_\_

Assigned By \_\_\_\_\_

Date \_\_\_\_\_

# EDUCATIONAL PLAN

## Associate in Applied Science – Diesel Equipment Technology

Asset Scores/Course Placement Recommendations: English \_\_\_\_\_ Reading \_\_\_\_\_ Math \_\_\_\_\_

**Required: Math score eligible for MATH 116 or higher to enroll into any DET courses besides DET 102.**

**Fall Quarter, First Year** **Credits**

|         |                           |    |
|---------|---------------------------|----|
| IT 117  | Intro to Windows OS       | 3  |
| DET 100 | Shop Skills               | 7  |
| DET 125 | Power Transmission I      | 7  |
| H R 110 | Human Relations-Workplace | 5  |
| DET 102 | Forklift *                | 1  |
|         |                           | 23 |

**Winter Quarter, First Year** **Credits**

|                    |                        |    |
|--------------------|------------------------|----|
| DET 110            | Electrical I           | 7  |
| DET 130            | Mobile Hydraulics      | 7  |
| TMATH 116          | Industrial Mathematics | OR |
| College level Math |                        | 5  |
|                    |                        | 19 |

**Spring Quarter, First Year** **Credits**

|           |                          |    |
|-----------|--------------------------|----|
| WRT 105   | Writing in the Workplace | OR |
| ENGL& 101 | English Composition I    | 5  |
| DET 120   | Engines I                | 7  |
| WELD 151  | Welding for Mechanics    | 5  |
|           |                          | 17 |

**Fall Quarter, Second Year** **Credits**

|          |                  |    |
|----------|------------------|----|
| DET 200  | Electrical II    | 7  |
| DET 220  | Engines II       | 7  |
| HLTH 145 | Safety & Fitness | 3  |
|          |                  | 17 |

**Winter Quarter, Second Year** **Credits**

|          |                                |    |
|----------|--------------------------------|----|
| BTEC 191 | Cooperative Work Exp Seminar** | 1  |
| DET 210  | Power Transmission II          | 7  |
| DET 225  | Heavy Duty Chassis             | 7  |
|          |                                | 15 |

**Spring Quarter, Second Year** **Credits**

|         |                                |    |
|---------|--------------------------------|----|
| DET 230 | Practical Applications ***     | OR |
| DET 190 | Cooperative Work Experience*** | 7  |
| DET 235 | Mobile HVAC                    | 7  |
|         |                                | 14 |

Total Credits 105

\*DET 102 must be completed during the first year.

\*\*BTEC 191 can be taken any quarter prior to or in the same quarter as DET 190.

\*\*\*Students must take either DET 230 OR DET 190.

Students will need to purchase tools for class. Please see a diesel instructor for tool list.

QTR/YR \_\_\_\_\_ CREDITS \_\_\_\_\_

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Students interested in fulfilling BAS-DT program admissions requirements should take ENGL& 101 and 5 credits of quantitative skills in college level math. (MATH& 146 recommended).

# Diesel Equipment Technology

Emphasis: Diesel Equipment Technology

Degree: Associate in Applied Science

**Purpose:** The Diesel Equipment Technology program is designed to prepare you for immediate employment as a technician in the maintenance, repair or overhaul of heavy equipment (i.e. logging, construction, and mining), agriculture equipment, or trucking.

**Note:** Students thinking of transferring into an applied bachelors program, such as the Bachelor of Applied Science in Diesel Technology that Centralia College offers, may need to take additional course work for entrance:

- College-level math course (5 credits)
- English Composition (5 credits)

\*\* English Composition I and the college-level math class can replace the math and English course required in this degree program.

**Program Outcomes** - Students who successfully complete this program should be able to:

- Perform repair procedures using proper tools while abiding by safety and environmental regulations.
- Identify, diagnose and repair electrical and hydraulic circuits.
- Maintain proper workplace documentation in a professional manner.
- Conduct behavior that is consistent with the professionalism standards of the industry.

## Learning Themes:

General education outcomes at Centralia College help students, faculty, and the general public identify what learning is expected when a student has completed a degree or program. The administration, faculty, and staff have agreed upon the following five Learning Ability Themes which students can expect to encounter in most courses and by the completion of any degree or program.

### Reasoning:

The ability to extract information from data, develop ideas and solutions, establish logical progression in thinking, and problem solve using such procedures as literary analysis or the scientific methods.

### Written, Oral and Visual Communication:

The ability to make oneself understood in public, interpersonal, professional, artistic, and technical arenas.

### Exploration-Self and Others:

An awareness of the values, beliefs, customs, and contributions of persons from one's own and other traditions, ethnicities, classes, and genders.

### Resourcefulness:

The ability to adapt to change, such as technological innovations or environmental conditions.

### Responsibility:

The ability to be accountable to self, society, and the natural world.

## Estimated Quarterly Program Costs (subject to change without notice)

|  |        |
|--|--------|
| Tests: Accuplacer  | \$15   |
| Resident Tuition (15 credits) and fixed fees*:                   | \$1399 |
| US Citizen Nonresident Tuition (15 credits) and fixed fees*:     | \$1536 |
| Non US Citizen Nonresident Tuition (15 credits) and fixed fees*: | \$3202 |
| *Tuition is subject to change due to State Legislative actions   |        |
| Books and supplies (estimate):                                   | \$661  |
| Lab fees:  | \$178  |

Centralia College does not discriminate against any person on the basis of race, color, national origin, disability, sex, genetic information, or age in admission, treatment, or participation in its programs, services and activities, or in employment. All inquiries regarding compliance with access, equal opportunity and/or grievance procedures should be directed to the Centralia College Vice President of Human Resources and Legal Affairs, 600 Centralia College Blvd., Centralia, WA 98531.