

Advisor \_\_\_\_\_



Name \_\_\_\_\_

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

Date \_\_\_\_\_

# 2018-2019 EDUCATIONAL PLAN

## Associate in Applied Science Diesel Equipment Technology

Course Placement Recommendations: English \_\_\_\_\_ Reading \_\_\_\_\_ Math \_\_\_\_\_

ENGL 098  
 ENGL 099

READ 099

MATH 095  
 MATH 096

MATH 098  
 MATH 099

**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	7
DET 102	Forklift *	1
		<u>18</u>

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

DET 110	Mobile Electrical Sys I	7
DET 130	Mobile Hydraulic Systems	7
TMATH 116	Industrial Mathematics	OR
Quantitative Skills (M)		5
		<u>19</u>

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

WRT 105	Writing in the Workplace	OR
ENGL& 101	English Composition I (C)	5
DET 120	Internal Combustion Eng	7
Welding Elective		5
		<u>17</u>

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

DET 200	Mobile Elect Sys II	7
DET 220	Internal Comb Engines II	7
HLTH 145	Safety & Fitness (HF)	3
		<u>17</u>

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

BTEC 191	Cooperative Work Exp Seminar**	1
DET 210	Power Transmission II	7
DET 225	Heavy-Duty Chassis Syst	7
H R 110	Human Relations-Workplace	5
		<u>20</u>

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

DET 230	Practical Shop Applications ***	OR
DET 190	Cooperative Work Experience***	7
DET 235	Mobile HVAC Systems	7
		<u>14</u>

**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.

Recommended Welding Electives: WELD 151, WELD 161, WELD 180, WELD 181, WELD 182,

**Students will need to purchase tools for class.**

**Please see a diesel instructor for tool list.**

Students interested in fulfilling BAS-DT program admissions requirements should take ENGL& 101 and 5 credits of Quantitative Skills in college level math. (MATH& 107 recommended).

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

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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:

- A. Perform repair procedures using proper tools while abiding by safety and environmental regulations.
- B. Identify, diagnose and repair electrical and hydraulic circuits.
- C. Maintain proper workplace documentation in a professional manner.
- D. 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

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