



## Diesel Service Technology

### **ASSOCIATE of APPLIED SCIENCE**

If you are seeking a degree, your education track would include 15 credit hours in academic studies IN ADDITION to your Diesel Technology studies.

#### **FIRST YEAR** (Basic Diesel)

FIRST SEMESTER	SECOND SEMESTER
DEMR 1301 - Shop Safety & Procedures.	DEMR 1306 - Diesel Engine I.
DEMR 1305 - Basic Electrical	DEMR 1310 - Diesel Engine Testing and Repair
DEMR 1316 - Basic Hydraulics	DEMR 1317 - Brake Systems
DEMR 1323 - Air Conditioning, Heating (HVAC)	DEMR 1342 - Powertrain Applications I
MATH 1332 - Contemporary Mathematics (or higher)	ENGL 1301 - Composition I

Once you have completed the Basic Diesel, you may go on to the second year. The second year begins with a common set of courses. This third semester is heavily based on electrical, electronics and the associated systems along with troubleshooting.

#### **THIRD SEMESTER**

DEMR 1313 - Fuel Systems
DEMR 2332 - Electronic Controls
DEMR 2334 - Advanced Tune & Troubleshoot
DEMR 2339 - Advanced Electrical
SPCH 1321 - Business & Professional Speech

In the fourth and last semester, you will need to choose if you want to work on heavy equipment and ag or transportation. The courses vary between the two.

#### **FOURTH SEMESTER**

<b><u>EQUIPMENT</u></b>	<b><u>TRANSPORTATION</u></b>
DEMR 1335 - Powershift & Hydrostat I	DEMR 1330 - Steering & Suspension
DEMR 2335 - Advanced Hydraulics	DEMR 1349 - Diesel Engine II
DEMR 2344 - Powershift & Hydrostat II	DEMR 2345 – Powertrain Applications II
Language, Philosophy & Culture / Creative Arts elective (Core group 40 or 50)	Language, Philosophy & Culture / Creative Arts elective (Core group 40 or 50)
Social & Behavioral Science Elective (Core group 80)	Social & Behavioral Science Elective (Core group 80)

NOTE: The academic courses DO NOT have to be taken in the shown order or semester. They can be rearranged to your liking.



### **CERTIFICATE of PROFICIENCY**

A Certificate of Proficiency in either Equipment or Transportation begins with the Basic Diesel Certificate and will be your first year in the program.

#### **BASIC DIESEL**

FIRST SEMESTER	SECOND SEMESTER
DEMR 1301 - Shop Safety & Procedures	DEMR 1306 - Diesel Engine I
DEMR 1305 - Basic Electrical	DEMR 1310 - Diesel Engine Testing and Repair
DEMR 1316 - Basic Hydraulics	DEMR 1317 - Brake Systems
DEMR 1323 - Air Conditioning, Heating (HVAC)	DEMR 1342 – Powertrain Applications I

Once you have completed the Basic Diesel, you may go on to the second year. The second year begins with a common set of courses. This third semester is heavily based on electrical, electronics and the associated systems along with troubleshooting.

#### **THIRD SEMESTER**

DEMR 1313 - Fuel Systems
DEMR 2332 - Electronic Controls
DEMR 2334 - Advanced Tune & Troubleshoot
DEMR 2339 - Advanced Electrical

In the fourth and last semester, you will need to choose if you want to work on heavy equipment and ag or transportation. The courses vary between the two.

#### **FOURTH SEMESTER**

<b>EQUIPMENT</b>	<b>TRANSPORTATION</b>
DEMR 1335 - Powershift & Hydrostat I	DEMR 1330 - Steering & Suspension
DEMR 2335 - Advanced Hydraulics	DEMR 1349 - Diesel Engine II
DEMR 2344 - Powershift & Hydrostat II	DEMR 2345 – Powertrain Applications II
ELECTIVE (DEMR 1349, DEMR 1330 or DEMR 2345. DEMR 1349 is highly encouraged as choice.)	ELECTIVE (DEMR 1335 or DEMR 2335)