

ADVANCED DIESEL TECHNOLOGY (AS.ADT)

ASSOCIATE OF SCIENCE

Program Outcomes: Upon successful completion of this program a student will be able to:

- accurately complete work orders that relate to equipment/engines/motors manifesting problems, suggest corrective actions, and complete repairs.
- apply knowledge of personal and environmental safety practices to promote a safe work environment and environmental responsibility.
- research applicable equipment and service information using heavy-duty equipment manuals in print and electronic formats, pertinent websites, and diagnostic equipment to identify, analyze, and correct problems of all major heavy-duty equipment systems.
- acquire Snap-on industry-recognized industry recognized certifications.
- demonstrate basic computer literacy skills.

Required Major Courses (44 units)

<input type="checkbox"/> ADT-100 – Diesel Engine Technology	4.0
<input type="checkbox"/> ADT-101 – Diesel Engine Rebuild	4.0
<input type="checkbox"/> ADT-110 – Electrical and Electronic Systems	4.0
<input type="checkbox"/> ADT-111 – Electrical Systems and Controls	4.0
<input type="checkbox"/> ADT-120 – Climate Control	4.0
<input type="checkbox"/> ADT-121 – Preventative Maintenance	4.0
<input type="checkbox"/> ADT-130 – Brake Systems	4.0
<input type="checkbox"/> ADT-131 – Steering and Suspension Systems	4.0
<input type="checkbox"/> ADT-140 – Power Drivetrain	4.0
<input type="checkbox"/> ADT-141 – Automatic Transmissions	4.0
<input type="checkbox"/> BUS-43 – Business Info Systems and Info Literacy	4.0
OR	
<input type="checkbox"/> BUS-50 – Introduction to PC Applications	4.0

SUBTOTAL: 44 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

HCCD GE (see page 66) *MAT-123 or higher*

- Natural Sciences Social & Behavioral Sciences Humanities
 Ethnic Groups in the US Language and Rationality

SUBTOTAL: 21 UNITS

Students can double-count required courses and courses for General Education

- **Electives (Courses Numbered 1-199) required when degree units plus GE units total fewer than 60.**
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TOTAL: 65 UNITS