

ADVANCED AUTOMOTIVE TECHNOLOGY (AS.AAT)

ASSOCIATE OF SCIENCE

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

- apply knowledge of personal and environmental safety practices to promote a safe work environment and environmental responsibility.
- apply appropriate automotive theories, concepts, principles, methods, and laboratory skills to an automotive repair setting.
- research applicable vehicle and service information using automotive manuals in print and electronic formats, pertinent websites, and diagnostic equipment to identify, analyze, propose correction, and correct problems of all major automotive systems.
- acquire Snap-On industry-recognized certifications.
- demonstrate basic computer literacy skills.

Required Major Courses (44 units)

<input type="checkbox"/>	AAT-100 – Introduction to Automotive Repair	4.0
<input type="checkbox"/>	AAT-101 – Engine Rebuild	4.0
<input type="checkbox"/>	AAT-110 – Climate Control	4.0
<input type="checkbox"/>	AAT-120 – Electrical and Electronic Systems	4.0
<input type="checkbox"/>	AAT-121 – Electronic Systems and Controls	4.0
<input type="checkbox"/>	AAT-130 – Engine Performance	4.0
<input type="checkbox"/>	AAT-140 – Brake Systems	4.0
<input type="checkbox"/>	AAT-141 – Steering and Suspension	4.0
<input type="checkbox"/>	AAT-150 – Manual Transmissions and Drivetrain	4.0
<input type="checkbox"/>	AAT-151 – 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.**

TOTAL: 65 UNITS