

**Program Completion Guide**  
**CIP Code: 15.0803**  
**Automotive Technology**  
**Associate in Applied Science (AAS Degree)**  
**2023-2024**

**Area I: Written Composition (3 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ENG101		

**Area II: Humanities and Fine Arts (6 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ART100, ENG251, ENG252, ENG261, ENG262, ENG271, ENG272, MUS101, PHL206, REL100, REL151, REL152, SPH107		

**Area III: Natural Science and Mathematics (10 Semester Hours Total)**

**Note:** CIS146 and MTH100 or higher and a 4 credit hour science course are required.

Courses	Courses Taken	Hours Earned
CIS146		
MTH116 or Higher MTH100, MTH110, MTH112, MTH113, MTH115, MTH120, MTH125, MTH126, MTH227		
BIO103, BIO104, CHM111, CHM112, PHS111, PHS112, PHY201, PHY202		

**Area IV: History, Social, and Behavioral Sciences (3 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ECO231, ECO232, HIS121, HIS122, HIS201, HIS202, PSY200, PSY210		

**Area V: Pre-Professional, Major, and Elective Courses (47 Semester Hours Total)**

Courses	Credit Hours	Courses Taken	Hours Earned
<b>Major/Core Concentration (39 Semester Hours)</b>			
ASE101- Fundamentals of Automotive Technology	3		
ASE112- Electrical Fundamentals	3		
ASE121- Braking Systems	3		
ASE122- Steering and Suspension	3		
ASE124- Automotive Engines	3		
ASE130- Drive Train and Axles	3		
ASE133- Motor Vehicle Air Conditioning	3		
ASE162- Electrical and Electronic Systems	3		
ASE224- Manual Transmission and Transaxle	3		
ASE230- Auto Transmission and Transaxle	3		
ASE244- Engine Performance and Diagnostics	3		



ASE246 - Automotive Emissions	3		
ASE263- Hybrid & Electric Vehicles	3		
<b>Electives ( 6 Semester Hours)</b>			
ADM101 - Precision Measurement	3		
ASE212 - Advanced Electricity & Electronic Systems	3		
ASE220 - Advanced Automotive Engines	3		
ASE261 – Electric Vehicles I	3		
ASE262 – Electric Vehicles II	3		
ASE281- Special Topics	3		
ASE 290 - CO-OP	3		
WDT119 - Gas Metal ARC/FLUX Cored ARC Welding	3		
WDT 124 - GMA/FLUX CORED ARC Welding Lab	3		
<b>Institutional Requirements (2 Semester Hours)</b>			
ORI101 Take in the first semester of enrollment unless student has transferred 12 credit hours from another institution			
BSS220 Take in last semester of program			

*In Area I through Area IV, transfer credits are accepted in accordance to ACCS policy.*

For additional courses see [http://stars.troy.edu/approved\\_courses.html](http://stars.troy.edu/approved_courses.html)

**Total Semester Hours Required for Degree: 69**

<b>Student Name:</b>	<b>Signature of Advisor:</b>
<b>Student Number:</b>	<b>Date of Advising:</b>
<b>Total Credit Hours Earned:</b>	<b>Date Audited by Admissions:</b>

**Short Certificates available:**

- **Automotive STC**                      **18 hrs.**
- **Engine Repair STC**                      **9 hrs.**
- **Automotive Electrical STC**                      **9 hrs.**
- **Brakes and Suspensions STC**                      **9 hrs.**