

AUTOMOTIVE TECHNOLOGY

(AAS.AUTO) ASSOCIATE IN APPLIED SCIENCE DEGREE

This degree prepares students with entry-level skills and knowledge necessary for employment in automotive repair maintenance shops as service or parts personnel. The curriculum is Automotive Service Excellence (ASE) certified and is designed to prepare students for ASE certification. Instruction is provided by ASE certified instructors in a shop equipped with the most up-to-date equipment available. Students entering this program must purchase hand tools and uniforms needed for use in the program. The cost of the required tools can be up to \$4,000 depending on brand/source. The required uniforms are approximately \$70 and textbooks/lab manuals are approximately \$500. A list of required tools can be obtained from counselors or auto instructors. [Automotive Service Excellence](#)

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

| First Semester | | Hours |
|------------------------|----------------------------------|--------------|
| AUT-048 | Intro to Automotive Technology + | 2.0 |
| AUT-050 | Engine Repair + | 5.0 |
| AUT-051 | Electrical Systems I + | 4.0 |
| ENG-050 | Writing for Industry | 3.0 |
| TEC-048 | Applied Shop Computations | 3.0 |
| SEMESTER TOTALS | | 17.0 |

Second Semester

| | | |
|------------------------|-------------------------------|-------------|
| AUT-052 | Engine Performance I +++ | 5.0 |
| SPE-111 | Intro to Speech Communication | 3.0 |
| | Social Science Elective | 2.0 |
| HED-178 | Responding to Emergencies | 2.0 |
| AUT-053 | Brake Systems +++ | 4.0 |
| SEMESTER TOTALS | | 16.0 |

Summer Term

| | | |
|------------------------|--|------------|
| AUT-054 | Heating and Air Conditioning I * +++++ | 3.0 |
| AUT-075 | Supervised Occupational Exp * +++++ | 3.0 |
| SEMESTER TOTALS | | 6.0 |

SECOND YEAR

| First Semester | | Hours |
|------------------------|-----------------------------|--------------|
| AUT-059 | Electrical Systems II * + | 4.0 |
| AUT-080 | Steering and Suspension * + | 4.0 |
| AUT-081 | Engine Performance II * + | 5.0 |
| --- --- | Economics Elective | 3.0 |
| SEMESTER TOTALS | | 16.0 |

Second Semester

| | | |
|---------|-------------------------------------|-----|
| AUT-076 | Auto Transmissions/Transaxles * +++ | 5.0 |
| AUT-082 | Manual Dr Train and Axles * +++ | 5.0 |
| AUT-083 | Engine Performance III * +++++ | 2.0 |
| AUT-089 | ASE Test Review +++ | 2.0 |
| --- --- | Technical Elective | 2.0 |

SEMESTER TOTALS**16.0**

SUGGESTED ELECTIVES

| | | |
|---------|-------------------------------|-----|
| SFS-101 | Strategies for Success | 2.0 |
| | Social Science Elective | 2.0 |
| ECO-130 | The American Economy | 3.0 |
| ECO-231 | Principles of Econ I (Macro) | 3.0 |
| IND-044 | Fluid Power | 3.0 |
| MTT-050 | Intro to Machining Procedures | 3.0 |
| WEL-057 | Welding Fundamentals | 2.5 |
| BUS-142 | Introduction to Business | 3.0 |

TOTAL PROGRAM HOURS**71.00**

- * There are prerequisites, course requisites, or minimum placement test scores for this course.
- ** Electives must be approved by the Program Coordinator
- + Course only offered fall semester
- ++ Course only offered spring and summer semester
- +++ Course only offered spring semester
- ++++ Course offered in summer term only
- ^ SOS 050 Human Relations and PSY 271 Introduction to Psychology cannot be used as a social science elective
- ^^ Consult Academic Advisor for appropriate course
- ^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours
- ^^^^ ECE 120 and ECE 125 must be taken the same semester

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