

AUTOMOTIVE TECHNOLOGY, A.S.

In addition to the 20 units of the certificate program in Automotive/Transportation Technology, students must also complete all MSJC General Education Option A requirements (a total of 60 units) for the Associate of Science degree in Automotive/Transportation Technology.

AS.AUME

Program Map

Design Your Future!

Begin by exploring MSJC program maps to find a career or transfer (<https://msjc.emsicc.com/?radius=®ion=All%20Regions>) opportunities. Program maps show the recommended sequence of courses that lead to graduation or transfer. The maps were developed by program experts to give you the skills and knowledge you need to succeed.

- **Starting in Spring?** Choose Fall Semester 1 courses.
- **Are you a part-time student?** Start Fall Semester 1 courses and follow the course sequence.

MSJC General Education Option A

Fall Semester 1		Units
AUME-700	Basic Auto Mechanics (formerly AUME-072)	4
ENGL-101	College Composition (formerly Freshman Composition)	4
MATH-140	Introduction to Statistics	3
CSCR-100	College Success and Career Readiness (formerly GUID-100 College Success)	3
Units		14
Spring Semester 1		Units
AUME-771	Automotive Brake Systems (formerly AUME-095)	4
AUME-770	Automotive Suspension, Steering and Alignment Systems (formerly AUME-120)	4
HIST-112	U.S. History Since 1865	3
COMM-103	Interpersonal Communication	3
SOCI-101	Principles of Sociology	3
Units		17
Fall Semester 2		Units
AUME-790	Engine Performance I (formerly AUME-087)	4
AUME-780	Automotive Electrical/Electronics I (formerly AUME-096)	4
SPAN-101	Elementary Spanish I	4
SOCI-115 or ANTH-102	Contemporary Chicano in Society or Cultural Anthropology	3
Units		15
Spring Semester 2		Units
PE-110	Prevention and Care of Athletic Injuries	3
CHEM-100	Introduction to Chemistry	4
ENGL-103	Critical Thinking and Writing	3

AUME-800	Introduction to Hybrid and Electric Vehicle Technology (formerly AUME-084)	3
AUME-549	Cooperative Work Experience: Automotive and Transportation Technologies (formerly AUME-149)	1
Units		14
Total Units		60

Requirements

An Associate Degree in this program requires students to follow MSJC's General Education, Option A and complete all general education areas, all major requirements, and complete an overall total of 60 degree applicable units with a minimum 2.0 GPA.

Course	Title	Credits
MSJC General Education Option A (https://catalog.msjc.edu/degrees-certificates-curricula/general-education-option-a/)		24
Required Courses		20
Electives (as needed to reach 60 units)		

Course	Title	Credits
Required Courses		
AUME-700	Basic Auto Mechanics (formerly AUME-072)	4
AUME-770	Automotive Suspension, Steering and Alignment Systems (formerly AUME-120)	4
AUME-771	Automotive Brake Systems (formerly AUME-095)	4
AUME-780	Automotive Electrical/Electronics I (formerly AUME-096)	4
AUME-790	Engine Performance I (formerly AUME-087)	4
Total Units		20

Career Exploration

Discover information about careers that interest you!

1. Take a Career Quiz (<https://msjc.emsicc.com/assessment/>) to learn about yourself and receive career suggestions based on your interests.
2. Search available in-demand jobs (<https://msjc.emsicc.com/browse-careers/>) in your career areas of interest and find up-to-date salaries and education requirements.
3. Find the MSJC Program (<https://msjc.emsicc.com/browse-programs/>) that connects your interests to a career.

Note: There are no guaranteed positions for students completing these programs. Education and work experience required will vary by employer. The salary and benefits for specific occupations will be dependent on work experience, education, background, and employer.