

Automotive/Transportation Technology: Associate in Science - Non-Transfer

The Automotive Technology program is designed to give students the knowledge and skills that they will need in order to be successful in the high-tech automotive repair shop of tomorrow. Our experienced instructors provide real-world knowledge and hands-on practice in performing automotive diagnosis, repair, and maintenance.

Please see a Pathways Counselor: A local degree requires a minimum of 60 degree-applicable units with a minimum 2.0 GPA overall. [Contact a Counselor](#) to create an education plan customized to meet your needs.

Transfer Majors/Award Focus

- Automotive Technology, Non-transfer A.S.
- Automotive Technology Certificate


GE Pattern/Units

- GE Pattern: Option A
- Total Units: 60

Program maps indicate the major coursework and recommended general education courses to fulfill your degree in 2 years (approximately 15 units/semester or 30 units/year). If you are a part-time student, start Semester 1 courses and follow the course sequence. Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](#).


Semester 1

14 Units

 COURSE	TITLE	UNIT
<input type="checkbox"/> AUME-700	Basic Auto Mechanics	4
<input type="checkbox"/> ENGL-101	College Composition	4
<input type="checkbox"/> MATH-140	Introduction to Statistics ¹	3
<input type="checkbox"/> CSCR-100	College Success and Career Readiness	3

Semester 2

17 Units

 COURSE	TITLE	UNIT
<input type="checkbox"/> AUME-771	Automotive Brake Systems	4
<input type="checkbox"/> AUME-770	Automotive Suspension, Steering and Alignment Systems	4
<input type="checkbox"/> HIST-112	U.S. History Since 1865	3
<input type="checkbox"/> COMM-103	Interpersonal Communication	3
<input type="checkbox"/> SOCI-101	Principles of Sociology	3

Notes:

¹ AREA G (Math Competency) can be demonstrated by a high school math course at or above the level of Algebra 2 with a grade of C or better.

Career Options

Automotive Engineering Tech (C, A, B)

Automotive Master Mechanics (SM, C)


Find more careers: msjc.emsicc.com

Required Education: SM: some college; C: Certificate; A: Associate, B: Bachelor's, M: Master's; D: Doctorate


Financial Aid

Financial aid is determined by the number of credit hours you take in a semester. Maximize your financial aid by taking 12-15 units per semester.

Semester 3**15 Units**

 COURSE	TITLE	UNIT
<input type="checkbox"/> AUME-790	Engine Performance I	4
<input type="checkbox"/> AUME-780	Automotive Electrical/Electronics I	4
<input type="checkbox"/> SPAN-101	Elementary Spanish I	4
<input type="checkbox"/> SOCI 115/ETHS-115 or ANTH 102	Contemporary Chicano in Society or Cultural Anthropology	3

Semester 4**14 Units**

 COURSE	TITLE	UNIT
<input type="checkbox"/> PE-110	Prevention and Care of Athletic Injuries	3
<input type="checkbox"/> CHEM-100	Introduction to Chemistry	4
<input type="checkbox"/> ENGL-103	Critical Thinking and Writing	3
<input type="checkbox"/> AUME-800	Introduction to Hybrid and Electric Vehicle Technology	3
<input type="checkbox"/> AUME-549	Cooperative Work Experience: Automotive and Transportation Technologies	1

Work Experience

Sign up for a special project or internship opportunity. Gain [work experience](#) and earn credits.

