***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](https://www.msjc.edu/hub/) 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](https://catalog.msjc.edu/instructional-programs/).

***Semester 1 14 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | AUME-700 | Basic Auto Mechanics | 4 |
| c | ENGL-101 | College Composition | 4 |
| c | MATH-140 | Introduction to Statistics 1 | 3 |
| c | CSCR-100 | College Success and Career Readiness | 3 |

***Semester 2 17 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | AUME-771 | Automotive Brake Systems | 4 |
| c | AUME-770 | Automotive Suspension, Steering and Alignment Systems | 4 |
| c | HIST-112 | U.S. History Since 1865 | 3 |
| c | COMM-103 | Interpersonal Communication | 3 |
| c | 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](http://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***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | AUME-790 | Engine Performance I | 4 |
| c | AUME-780 | Automotive Electrical/Electronics I | 4 |
| c | SPAN-101 | Elementary Spanish I | 4 |
| c | SOCI 115/ETHS-115 or  ANTH 102 | Contemporary Chicano in Society or  Cultural Anthropology | 3 |

***Semester 4 14 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | PE-110 | Prevention and Care of Athletic Injuries | 3 |
| c | CHEM-100 | Introduction to Chemistry | 4 |
| c | ENGL-103 | Critical Thinking and Writing | 3 |
| c | AUME-800 | Introduction to Hybrid and Electric Vehicle Technology | 3 |
| c | AUME-549 | Cooperative Work Experience: Automotive and Transportation Technologies | 1 |

Work Experience

Sign up for a special project or internship opportunity. Gain [work experience](https://msjc.edu/careereducation/cwee/index.html) and earn credits.

General Motors Fully Operational Skateboard car chassis
