

Automotive Service Management Technology (A236) (A.A.S.)

RECOMMENDED ROADMAP

This Roadmap is a recommended way to complete this program of study. Course availability is subject to change. In some cases, a specific course is shown, but there are other options available. To review and consider other courses, see the note at the bottom of this page. Part-time students should refer to the Recommended Course Sequence list. Consult an academic Advisor or the program manager before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information. Note: the below Automotive courses are offered sequentially, in 7-week sessions (A7, C7) within a term.

1st Term

Course ID	Course Title	Credit Hours	Grade Earned
1* ENC 1101	English Composition I	3	
4* 6*AER 1081C	Introduction to Automotive Technology	4	
4* 6*AER 1694C	Electrical Systems I	4	
4* 6*AER 1498	Steering and Suspension	4	

Term Total = 15

2nd Term

Course ID	Course Title	Credit Hours	Grade Earned
2* See Note Below	Choose 1 General Education Mathematics	3	
4* 7*AER1598	Brake Systems	4	
4* 7*AER1798C	Air Conditioning and Heating	4	
7*AER1398	Manual Transmissions and Transaxles	4	

Term Total = 15

3rd Term

Course ID	Course Title	Credit Hours	Grade Earned
3* PHY1020C	Physics for Liberal Arts with Laboratory	3	
8*AER1198	Engines	4	
8*AER2896	Engine Performance I	4	
AER2695C	Electrical Systems II	4	

Term Total = 15

4th Term

Course ID	Course Title	Credit Hours	Grade Earned
2* See Note Below	Choose 1 General Education Social and Behavioral Science	3	
AER1291	Automatic Transmissions and Transaxles	4	
8*AER2899	Engine Performance II	4	
AER2895C	Engine Performance III	4	

Term Total = 15

5th Term

Course ID	Course Title	Credit Hours	Grade Earned
5* See Note Below	Choose 1 Professional Elective	3	
5* See Note Below	Choose 1 Professional Elective	2	
2* See Note Below	Choose 1 General Education Humanities	3	

Term Total = 8

Total Credit Hours = 68

Program Notes:

- 1* ENC1101C can be taken in place of ENC1101. Please speak with your Advisor for more information.
- 2* See the options for the General Education Requirements at <https://catalog.fscj.edu/>.
- 3* This is the recommended course but there are other options. Choose 1 Physical Science course. You can see the General Education Requirements at <https://catalog.fscj.edu/>.
- 4* This course will count towards completion of the Automotive Service Technician Technical Certificate.
- 5* See the professional electives on the next page or in the catalog at [fscj.edu/A236](https://catalog.fscj.edu/A236). **Students may complete an optional internship as a professional elective option.** This can be completed any time after term 1.
- 6* This course is offered Fall/Spring only
- 7* This course is offered Spring/Summer only
- 8* This course is offered Summer/Fall only

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RECOMMENDED COURSE SEQUENCE

This list shows a recommended sequence for completing the courses in this program of study. Course availability is subject to change. **Part-time students** should use this list to determine which courses to take next that fit their schedule. In some cases, a specific course is shown, but there are other options available. To review and consider other courses, see the note on page 1. Consult an Academic Advisor or the Engineering & Industry department before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

- **ENC 1101** - English Composition I (Credit Hours: 3) **Prerequisites:** Satisfactory score on placement test (for non-exempt students only). **See program note 1*.**
- **AER 1081C** - Introduction to Automotive Technology (Credit Hours: 4) - **Prerequisites:** None. **See program notes 4* and 6*.**
- **AER 1694C** - Electrical Systems I (Credit Hours: 4) - **Prerequisites:** AER 1081C with a grade of “C” or better. **See program note 4 and 6**.**
- **AER 1498** - Steering and Suspension (Credit Hours: 4) - **Prerequisites:** AER 1081C with a grade of “C” or better. **See program note 4* and 6*.**
- **Choose 1 General Education Mathematics** (see link below for options). **See program note 2*.**
- **AER 1598** - Brake Systems (Credit Hours: 4) - **Prerequisites:** AER 1081C and AER 1694C (each with a grade of “C” or better). **See program note 4*.**
- **AER 1798C** - Air Conditioning and Heating (Credit Hours: 4) - **Prerequisites:** AER 1081C and AER 1694C (each with a grade of “C” or better). **See program notes 4* and 7*.**
- **AER 1398** - Manual Transmission and Transaxles (Credit Hours: 4) - **Prerequisites:** AER 1081C with a grade of “C” or better. **See program note 7*.**
- **PHY 1020C** - Physics for Liberal Arts with Laboratory (Credit Hours: 3) - **Corequisites:** MAT 1033 or higher. **See program note 3*.**
- **AER 1198** - Engines (Credit Hours: 4) - **Prerequisites:** AER 1081C with a grade of “C” or better. **See program note 8*.**
- **AER 2896** - Engine Performance I (Credit Hours: 4) - **Prerequisites:** AER 1198 and AER 1694C (each with a grade of “C” or better). **See program note 8*.**
- **AER 2899** - Engine Performance II (Credit Hours: 4) - **Prerequisites:** AER 2896 (with a grade of “C” or better). **See program note 8*.**
- **Choose 1 General Education Social and Behavioral Science** (see link below for options). **See program note 2*.**
- **AER 1291** - Automatic Transmissions and Transaxles (Credit Hours: 4) - **Prerequisites:** AER 1081C, AER 1694C and AER 1398 (each with a grade of “C” or better). **See program note 6*.**
- **AER 2695C** - Electrical Systems II (Credit Hours: 4) - **Prerequisites:** AER 1081C and AER 1694C (each with a grade of “C” or better). **See program note 6*.**
- **AER 2895C** - Engine Performance III (Credit Hours: 4) - **Prerequisites:** AER 2899 and AER 2695C (each with a grade of “C” or better). **See program note 6*.**
- **Choose 1 General Education Humanities** (see link below for options).

- **Choose 1 Professional Elective** (see list below)(Credit Hours: 3) **See program note 5***
- **Choose 1 Professional Elective** (see list below)(Credit Hours: 2) **See program note 5***

Professional Electives (5 credit hours required):

- **AER 2957** - Automotive Internship I (Credit Hours: 2)
- **AER 2958** - Automotive Internship II (Credit Hours: 2)
- **SLS 1101** - College Academic Orientation (Credit Hours: 1)
- **SLS 1103** - Strategies for Success in College, Career and Life (Credit Hours: 3)
- **CGS 1100** - Microcomputer Applications for Business and Economics (Credit Hours: 3)
- **CGS 1060** - Introduction to Information Technology (Credit Hours: 3)
- **GEB 1011** - Introduction to Business (Credit Hours: 3)

Total Credit Hours = 68

To view a list of the [General Education Requirements](https://catalog.fscj.edu/), please visit our online catalog: <https://catalog.fscj.edu/>

CAREER OPTIONS

The Associate in Applied Science in Automotive Service Management Technology prepares students for a job as an expert auto and light truck technician. Upon completion of program, students will be capable and comfortable with high-tech electronic engine controls and electrical and computerized systems. Safe, efficient work practices and “people skills” are part of the excellent all-around instruction

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