## 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

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Grade Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>1* ENC1101</td>
<td>English Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4* 6* AER1081C</td>
<td>Introduction to Automotive Technology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4* 6* AER1694C</td>
<td>Electrical Systems I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4* 6* AER1498</td>
<td>Steering and Suspension</td>
<td>4</td>
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Term Total = 15

### 3rd Term

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<tr>
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<th>Credit Hours</th>
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</tr>
</thead>
<tbody>
<tr>
<td>3* PHY1020C</td>
<td>Physics for Liberal Arts with Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>8* AER1198</td>
<td>Engines</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>8* AER2896</td>
<td>Engine Performance I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>AER2695C</td>
<td>Electrical Systems II</td>
<td>4</td>
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Term Total = 15

### 2nd Term

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<th>Course Title</th>
<th>Credit Hours</th>
<th>Grade Earned</th>
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</thead>
<tbody>
<tr>
<td>2* See Note Below</td>
<td>Choose 1 General Education Mathematics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4* 7* AER1598</td>
<td>Brake Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4* 7* AER1798C</td>
<td>Air Conditioning and Heating</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>7* AER1398</td>
<td>Manual Transmissions and Transaxes</td>
<td>4</td>
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</tbody>
</table>

Term Total = 15

### 4th Term

<table>
<thead>
<tr>
<th>Course ID</th>
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<th>Credit Hours</th>
<th>Grade Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>2* See Note Below</td>
<td>Choose 1 General Education Social and Behavioral Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AER1291</td>
<td>Automatic Transmissions and Transaxes</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>8* AER2899</td>
<td>Engine Performance II</td>
<td>4</td>
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</tr>
<tr>
<td>AER2895C</td>
<td>Engine Performance III</td>
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Term Total = 15

### 5th Term

<table>
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<th>Course ID</th>
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<th>Credit Hours</th>
<th>Grade Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>5* See Note Below</td>
<td>Choose 1 Professional Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>5* See Note Below</td>
<td>Choose 1 Professional Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2* See Note Below</td>
<td>Choose 1 General Education Humanities</td>
<td>3</td>
<td></td>
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</tbody>
</table>

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/](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/](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/). 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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This document is an initiative of our QEP.
**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](https://catalog.fscj.edu/) 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, please visit our online catalog: [https://catalog.fscj.edu/](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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