<table>
<thead>
<tr>
<th>Admission Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialized Admissions – No</td>
</tr>
<tr>
<td>Limited Enrollment - No</td>
</tr>
<tr>
<td>Separate Major Application Required – No</td>
</tr>
</tbody>
</table>
**This is a recommended sequence of courses for general advisement purposes only. Students are encouraged to meet with their academic advisor**

### Required Pre-Requisite Courses
(C minus or higher required in each course)

<table>
<thead>
<tr>
<th>FSU COURSES</th>
<th>TCC COURSE EQUIVALENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC1105 College Algebra</td>
<td>MAC1105</td>
</tr>
<tr>
<td>MAC1140 Pre-Calculus</td>
<td>MAC1140</td>
</tr>
<tr>
<td>MAC1114 Trigonometry</td>
<td>MAC1114</td>
</tr>
<tr>
<td>MAC2311 Calculus I</td>
<td>MAC2311</td>
</tr>
<tr>
<td>COP3014 Programming I (strongly recommended)</td>
<td>COP2221*</td>
</tr>
<tr>
<td>CHM1045 General Chemistry I + Lab (strongly recommended)</td>
<td>CHM1045/L</td>
</tr>
</tbody>
</table>

*COP2220 at TCC is a required prerequisite to COP2221*

Only one repeated attempt out of all pre-engineering courses is permitted.

### YEAR 1 TCC

#### FALL
- ENC1101 (3)
- MAC1105 (3)
- State Core Soc Sci, Area A, Group 1 (3)
- SLS1510 or SLS2261 (3)
- A.A. Elective (3)

#### SPRING
- ENC 1102/ENC1141 (3)
- MAC1140 (3)
- CHM1045 + Lab or BSC2010 + Lab (NSLab)* (4)
- State Core Humanities, Area A: THE2000 recommended (Div)* (3)
- A.A. Elective (3)

**Total: 15**

### YEAR 2 TCC

#### FALL
- MAC1114 (3)
- TCC Core Humanities, Area B (3)
- State Core Soc Sci, Area A, Group 2: AMH2020 or POS1041 (Civ Lit)* (3)
- TCC Core Natural Sci., Area B (3)
- COP2220 (3)

#### SPRING
- MAC2311 (5)
- TCC Core Soc Sci, Area B, Group 1 (3)
- COP2221 (3)
- TCC Core Soc Sci, Area B, Group 2 (3)

**Total: 15**

*FSU Graduation Requirement: NSLab = Natural Science Lab, Div = Diversity, Civ Lit = Civic Literacy*

**Total Credits: 60**
Transfer to the University Information

*Please Note: Face-to-face/in-person instruction of this program is available ONLY at the main campus in Tallahassee, FL. This program is NOT available via Online/Distance Learning.*

Website: https://admissions.fsu.edu/transfer/
Email: admissions@fsu.edu
Phone: (850) 644-6200
Address: Florida State University  
Office of Admissions  
A2500 University Center  
282 Champions Way  
Tallahassee FL 32306-2400

Major Information

FAMU/FSU College of Engineering: https://www.eng.famu.fsu.edu/
Admission to major: https://www.eng.famu.fsu.edu/cbe/undergraduate-admissions
Email: eburgess@eng.famu.fsu.edu

Employment Information

FSU Career Center: https://www.career.fsu.edu/

Representative Job Titles Related to this Major: Industrial Engineer, Manufacturing Engineer, Production Engineer, Systems Engineer, Applications Engineer, and Systems Analyst

Representative Employers: Government, Private Business, Industry, Education. The following illustrates some of the jobs Industrial Engineers perform: Design and installation of a semiconductor manufacturing systems; Creation of more productive work flow within major hospital; Design of instrument display and interior space for commercial aircraft; Scheduling and routing of public transportation system; Determination of airline routes; Design of waiting lines at Disneyland/Disney world; Facilities layout at auto assembly plant; Improvement of product quality; Computer applications in manufacturing.