



# FLORIDA STATE UNIVERSITY

## College of Engineering Chemical Engineering (BS)



### Admission Information

❖ Limited Access – No

❖ Minimum GPA = 2.00 overall

❖ Limited Enrollment - No

❖ Test Required – No

❖ College Application Required – No

❖ Admits every semester

**\*\* 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)

### FSU COURSES

MAC1105 College Algebra  
 MAC1140 Pre-Calculus  
 MAC1114 Trigonometry  
 MAC2311 Calculus I  
 BSC2010 Biological Science 1 + Lab (strongly recommended)  
 CHM1045 General Chemistry 1 + Lab (strongly recommended)  
 CHM1046 General Chemistry II + Lab (strongly recommended)

### TCC COURSE EQUIVALENT

MAC1105  
 MAC1140  
 MAC1114  
 MAC2311  
 BSC2010/L  
 CHM1045/L  
 CHM1046/L

### YEAR 1 TCC

FALL		SPRING	
ENC1101	(3)	ENC 1102/ENC1141	(3)
MAC1105	(3)	MAC1140	(3)
State Core Soc Sci, Area A, Group 1	(3)	BSC2010 and BSC2010 Lab (NSLab)*	(4)
TCC Core Soc Sci, Area B, Group 2: SLS1510 or SLS2261	(3)	State Core Humanities, Area A: THE2000 recommended (Div)*	(3)
A.A. Elective	(3)	TCC Core Soc Sci, Area B, Group 1	(3)
<b>Total: 15</b>		<b>Total: 16</b>	

### YEAR 2 TCC

FALL		SPRING	
MAC1114	(3)	MAC2311	(5)
CHM1045 and CHM1045 Lab	(4)	CHM1046 and CHM1046 Lab	(4)
State Core Soc Sci, Area A, Group 2: AMH2020 or POS1041 (Civ Lit)*	(3)	TCC Core Humanities, Area B	(3)
A.A. Elective	(3)	TCC Core Soc Sci, Area B, Group 1	(3)
A.A. Elective	(3)		
<b>Total: 16</b>		<b>Total: 15</b>	

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

**Total Credits: 62**

## Transfer to the University Information

**Website:** <https://admissions.fsu.edu/transfer/>

**Email:** [admissions@fsu.edu](mailto: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:** [chemical@eng.famu.fsu.edu](mailto:chemical@eng.famu.fsu.edu)

## Employment Information

**FSU Career Center:** <https://www.career.fsu.edu/>

**Representative Job Titles Related to this Major:** Chemical Engineer, Petroleum Engineer, Environmental Engineer, Biomedical Engineer, Biochemical Engineer, Design Engineer, Food Engineer, Development Engineer, Polymer Engineer, Project Engineer, Process Engineer, Research Engineer, Materials Engineer.

**Representative Employers:** The work of the chemical engineer is to analyze, develop, design, control, construct, and/or supervise chemical processes in research and development, pilot-scale operations, and industrial production. The graduate in chemical engineering is particularly versatile. Industrial work may involve the production, operation, or research departments of chemical or allied plants, such as inorganic chemicals (e.g., acids, alkalis, pigments, fertilizers), organic chemicals (e.g., petroleum, petrochemicals, polymers, fuels, propellants, plastics, pharmaceuticals, specialty chemicals), biological products (e.g., enzymes, vaccines, biochemicals, biofuels), materials (e.g., ceramics, polymeric materials, paper, biomaterials), and foods. Employment is also available in the technical service, process improvement, or environmental compliance sections of such industries. Graduate education in chemical engineering, biomedical engineering, medical school, dental school, business school, law school, and other science or engineering disciplines are viable alternatives for the more accomplished graduate. Research and development work or policy analysis at governmental agencies, and university/college teaching are other employment options.