FSU | ASPIRE TSC2FSU

College of Engineering
Chemical Engineering (BS)

Admission Information	
❖ Specialized Admissions – No	❖ Minimum GPA = 2.00 overall
❖ Limited Enrollment - No	❖ Test Required – No
❖ Separate Major 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	TSC COURSE EQUIVALENT
MAC2311 Calculus I	MAC2311
MAC2312 Calculus II (strongly recommended)	MAC2312
MAC2313 Calculus III (strongly recommended)	MAC2313
BSC2010 Biological Science 1 + Lab (strongly recommended)	BSC2010/L
CHM1045 General Chemistry 1 + Lab (strongly recommended)	CHM1045/L
CHM1046 General Chemistry II + Lab (strongly recommended)	CHM1046/L

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

*** This schedule assumes that the student already has credit for MAC 1105 College Algebra, MAC1114 Analytic Trigonometry and MAC1140 Pre-Calculus via accelerated credit while in high school.**

YEAR 1 TSC

FALL		SPRING	
ENC1101	(3)	ENC 1102	(3)
MAC2311	(5)	MAC2312	(5)
State Core Soc Sci, Area A, Group 1	(3)	BSC2010 and BSC2010 Lab (NSLab)*	(4)
A.A. Elective	(3)	State Core Humanities, Area A: PHI2010 recommended (Eth)*	(3)
A.A. Elective: SLS1510 or SLS2261 recommended	(3)		
Total: 17		**Total: 15**	

YEAR 2 TSC

FALL		SPRING	
MAC2313	(4)	Social Science, Area B: ANT2410,GEA2000,SYG2010, WOH2012, or WOH2022 recommended (EHE)*	(3)
CHM1045 and CHM1045 Lab	(4)	CHM1046 and CHM1046 Lab	(4)
State Core Soc Sci, Area A, Group 2 (Civ Lit)*	(3)	Humanities, Area B	(3)
SPC2608	(3)	A.A. Elective	(3)
A.A. Elective	(3)		
Total: 17		**Total: 13**	

**FSU Graduation Requirement*: *NSLab* = *Natural Science Lab*, *Civ Lit* = *Civic Literacy*, *Eth* = *Ethics*, *EHE* = *Exploring the Human Experience*

Total Credits: 62

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 (CIP: 14.0701)

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

Special note: The Accreditation Board for Engineering and Technology (ABET) requires that all students graduating from an ABET-accredited program meet certain requirements.

One of these requirements is that **ALL** Engineering majors at FSU **MUST** complete the following:

- PHY X048/X048L General Physics A and Lab (4) or PHY X048C (5) General Physics A with Lab
- PHY X049/X049L General Physics B and Lab (4) or PHY X049C (5) General Physics B with Lab

NO other Physics classes (PHY X020, PHY X053/X053L, PHYX054/X054L) can count or substitute for this requirement.

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.