

FSU

ASPIRE TSC2FSU

College of Engineering Industrial 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

MAC2311 Calculus I
 MAC2312 Calculus II (strongly recommended)
 MAC2313 Calculus III (strongly recommended)
 COP3014 Programming I (strongly recommended)
 CHM1045 General Chemistry I + Lab (strongly recommended)
 PHY2048 General Physics 1 + Lab (strongly recommended)

TSC COURSE EQUIVALENT

MAC2311
 MAC2312
 MAC2313
 COP2221**
 CHM1045/L
 PHY2048/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.**

****COP2220 at TSC is a required prerequisite to COP2221**

YEAR 1 TSC

FALL		SPRING	
ENC1101	(3)	ENC 1102	(3)
MAC2311	(5)	MAC2312	(5)
State Core Soc Sci, Area A, Group 1	(3)	CHM1045 + CHM1045 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)	PHY2048 + PHY2048 Lab	(4)
Humanities, Area B	(3)	Social Science, Area B: ANT2410, GEA2000, SYG2010, WOH2012, or WOH2022 recommended (EHE)*	(3)
State Core Soc Sci, Area A, Group 2 (Civ Lit)*	(3)	COP2221	(3)
Natural Science, Area B	(3)	SPC2608	(3)
COP2220	(3)		
Total: 16		Total: 13	

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

Total Credits: 61

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: 14.3501)

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: 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.