

Engineering Standing Requirements

The first two years of a program's curriculum are considered to be lower division while the remaining two years are considered the upper division. For the most part, upper division engineering courses are those with course numbers in the 3000's and 4000's. In addition to the stated prerequisites and unless otherwise noted in the catalog, students must apply for and be granted Engineering Standing in order to enroll in any upper division Engineering course taught in the College of Engineering. A 2.70 GPA is required to receive engineering standing in the courses noted below.

The following chart lists the course requirements for students seeking Engineering Standing.
Updated May 26, 2018.

<u>Courses</u>	<i>Civil Engineering</i>	<i>Computer Eng</i>	<i>Construction Engineering</i>	<i>Electrical Engineering</i>	<i>Environmental Engineering</i>	<i>Industrial & Systems Engineering</i>	<i>Mechanical Engineering</i>	<i>Mechatronics Engineering</i>
Composition I (ENGL 1101)	X	X	X	X	X	X	X	X
Composition II (ENGL 1102)	X	X	X	X	X	X	X	X
Chemistry I (CHEM 1211 and CHEM 1211L)	X	X	X	X	X	X	X	X
Chemistry II (CHEM 1212 and CHEM 1212L)	X		X		X			
Physics I (PHYS 2211 and PHYS 2211L)	X	X	X	X	X	X	X	X
Physics II (PHYS 2212 and PHYS 2212L)	X	X	X	X		X*	X	X
Biology I (BIOL 1107 and BIOL 1107)					X			
Calculus I (MATH 1190)	X	X	X	X	X	X	X	X
Calculus II (MATH 2202)	X	X	X	X	X	X	X	X
Differential Equations (MATH 2306)	X	X	X	X	X			X

<u>Courses</u>	<i>Civil Engineering</i>	<i>Computer Eng</i>	<i>Construction Engineering</i>	<i>Electrical Engineering</i>	<i>Environmental Engineering</i>	<i>Industrial & Systems Engineering</i>	<i>Mechanical Engineering</i>	<i>Mechatronics Engineering</i>
Probability & Data Analysis (STAT 2332)		X		X				
Applications of Probability (ISYE 2600)						X		
Technical Writing (TCOM 2010)						X		
Programming and Problem Solving I and Lab (CSE 1321 and CSE 1321L)		X		X		X		X
MATLAB for Engineers w/ Applications (ME 1311)							X	
Engineering Graphics I (EDG 1211)							X	X

*(PHYS 2212 and PHYS 2212L) or (CHEM 1212 and CHEM 1212L) or (BIOL 1107 and BIOL 1107L)

Engineering Standing for Non-Engineering Majors

Non-engineering students who desire to enroll in upper-level engineering courses will need to satisfy the Engineering Standing prerequisite. A 2.7 GPA in the following courses will fulfill the requirement:

- ENGL 1101 - Composition I
- ENGL 1102 - Composition II
- CHEM 1211 and CHEM 1211L - Chemistry I
- PHYS 2211 and PHYS 2211L - Physics I
- MATH 1190 - Calculus I
- MATH 2202 - Calculus II

12 additional credits from courses in the Southern Polytechnic College of Engineering and Engineering Technology or with prefixes CHEM, CS, CSE, IT, MATH, PHYS, or STAT.