

GENERAL ADVISING INFORMATION FOR FIRST YEAR ENGINEERING STUDENTS

Course descriptions and the curriculum for any Engineering major, minor, or concentration in the Tickle College of Engineering can be found in the [Undergraduate Catalog](#).

Once admitted into the Tickle College of Engineering, freshmen students are advised during [Orientation](#) about the courses they will study their first year. Students meet with advisors in Phase One of orientation to plan and register for their schedule. Generally speaking, Engineering students should be qualified to take Math 141 Calculus I (or higher math) along with Engineering Fundamentals 151 and 105. To qualify for Calculus I (or higher math) students must have an ACT MATH score of 28 or higher (SAT MATH score of 660 or higher), pass the Math Placement Exam, or transfer Math 141 or higher credits. Students may bring [dual enrollment](#) math credits or [AP/IB exams scores](#) in Math that can advance them in math studies.

GENERIC ADVISING EXAMPLE FOR FIRST-YEAR ENGINEERING STUDENTS QUALIFIED FOR CALCULUS I OR HIGHER:

Fall Semester	Spring Semester
Math 141 or higher	Math 142 or higher depending on Fall Math course
Engineering Fundamentals 151	Engineering Fundamentals 152
Engineering Fundamentals 105 (EECS majors take Computer Science 101)	
Chemistry 122-123 (Except for EECS majors)	Chemistry 132-133 pending major or Volunteer Core Requirement (AH, SS, GC-US, or GC-I) (EECS majors take COSC 102)
English 101	English 102

Students who are not qualified to study Calculus I usually begin in Pre-Calculus (Math 131). To qualify to take Math 131, students must have earned ACT MATH score of 25 to 27 (SAT MATH 590-650). Students required to take Math 131 will take EF 141 and then take Math 132 and EF 142 in the Spring before taking Math 142 and EF 152 in the following semester. Students may also bring [dual enrollment](#) math credits or [AP/IB exams scores](#) in Math that can advance them in math studies.

GENERIC ADVISING EXAMPLE FOR FIRST-YEAR ENGINEERING STUDENTS QUALIFIED FOR CALCULUS 1A INFUSED WITH PRE-CALCULUS:

Fall Semester	Spring Semester	Optional Summer Semester
Math 131	Math 132	Math 142
English 101	English 102	
Engineering Fundamentals 141	Engineering Fundamentals 142	Engineering Fundamentals 152
Volunteer Core Requirement (AH, SS, GC-US, GC-I) (EECS majors take COSC 101)	Chemistry 122-123 pending major or Volunteer Core Requirement (AH, SS, GC-US, GC-I) (EECS majors take COSC 102)	

Students can work with their advisors to discuss additional academic plans.