

Preprofessional Program

Entering freshmen and all transfer students will be admitted directly to the College's preprofessional program as pre-engineering students. The following are required for students to be admitted to their major of choice in the College of Engineering and Computer Science:

1. Students must meet University admission requirements.
2. In each core course listed below, students must obtain a minimum grade of "C." Advanced placement scores of 4 or above will be given credit for the appropriate course(s). A score of 5 is equivalent to an "A," and a score of "4" is equivalent to a "B."
3. A maximum of two attempts will be allowed for any of the listed courses. Failure to receive a passing grade in the second attempt (including withdrawals) is grounds for denial of admission to an engineering or computer science program.

Electrical and Computer Engineering		
Calculus with Analytic Geometry 1 (1)	MAC 2314	4
Calculus with Analytic Geometry 2 (2)	MAC 2312	4
General Physics for Engineers 1	PHY 2048	3

Civil, Environmental, Mechanical and Ocean Engineering		
Calculus with Analytic Geometry 1 (1)	MAC 2314	4
General Physics for Engineers 1	PHY 2048	3

Computer Science		
Precalculus Algebra and Trigonometry (3)	MAC 1147	5
Introduction to Programming in C	COP 2220	3

Computer Science and Geomatics Engineering		
Calculus with Analytic Geometry 1 (1)	MAC 2311	4

All other Engineering Majors Civil, Computer, Electrical, Environmental, Mechanical and Ocean Engineering		
Calculus with Analytic Geometry 1 (1)	MAC 2311	4
General Physics for Engineers 1	PHY 2048	3

Notes:

- (1) MAC 2311 and MAC 2253 are substitutes.
(2) ~~MAC 2312 and MAC 2254 are substitutes.~~
(3) ~~MAC 1140 and MAC 1114 are substitutes.~~

The entry-level mathematics requirement for the engineering programs is Calculus 1. Students who are placed in lower-level mathematics courses based on their ALEKS test scores and who need to maintain full-time status may have problems finding courses that are accepted in an engineering or computer science program in future semesters. This may delay their entry into a particular engineering or computer science program.

After successfully completing the core courses, students may apply to a particular engineering program. Admission will be based on the student's performance in the core courses.