

**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" ~~and a GPA in the core courses of 2.5 or greater. Calculation of the core GPA will be based on the highest grade received (in at most two attempts for any of the option listed courses) in each of the core courses.~~ 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 for any of the option listed courses will be allowed. Failure to receive a passing grade in the second attempt is grounds for denial of admission to an engineering or computer science program.

Electrical and Computer Engineering		
Calculus with Analytic Geometry 1 (1)Calculus for Engineers 1 (1)	MAC 2311MAC 2281	4
Calculus with Analytic Geometry 2 (2)Calculus for Engineers 2 (2)	MAC 2312 orMAC 2282 or	4 or
General Physics for Engineers 1	PHY 2043PHY 2048	3

Civil, <del>Geomatics,</del> Mechanical and Ocean Engineering		
Calculus with Analytic Geometry 1 (1)Calculus for Engineers 1 (1)	MAC 2311MAC 2281	4
General Physics for Engineers 1Physics for Engineers 1	PHY 2048PHY 2043	3

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

Geomatics Engineering		
Precalculus Algebra and Trigonometry (3)	MAC 1147	5
Fundamentals of Surveying	SUR 2101	2

Environmental Engineering		
Precalculus Algebra and Trigonometry (3)	MAC 1147	3
General Chemistry 1	CHM 2045	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.

~~Students may repeat a core course only once. Failure to receive a passing grade in the second attempt is grounds for denial of admission to an engineering or computer science program.~~

The entry-level mathematics requirement for the engineering programs is Calculus with Analytic Geometry 1 (MAC 2311). Students who are placed in lower-level mathematics courses based on their ALEKS test scores and who need

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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. [The Division of Engineering Student Services and Advising](#) is available to assist students in selection of a major field of study and can be reached at 561-297-2780 or [engineering-services@fau.edu](mailto:engineering-services@fau.edu).

Students with engineering degrees from ABET-accredited institutions will be directly admitted to engineering or computer science programs of their choice.

Students may appeal denial of admission to a major through the academic petition process. For an appeal to have merit, students must explain new academic or personal information as well as extenuating circumstances. The evidence should show a student's case is stronger than the GPA evidence suggests. The faculty coordinator for the preprofessional program will review the petition according to the established College guidelines and make a recommendation to the academic petition committee.

The College of Engineering and Computer Science fully complies with the State of Florida Common Prerequisites for Computer Science and for Engineering. Students transferring from Florida community or state colleges who meet the preprofessional program course requirements will be directly admitted to the particular engineering and computer science program of their choice.

The College of Engineering and Computer Science participates in the Southeast Florida Engineering Education Consortium, a collaborative effort among public colleges and universities in this region. Detailed advising sheets outlining the courses needed at the community or state college and at FAU are available for students transferring from Miami Dade, Broward, Palm Beach and Indian River colleges. These sheets also provide a useful guide for students transferring from other institutions. Students should contact their community or state college advisor or the FAU department in which they intend to enroll.

