

Pre-Engineering

Degree: Associate of Arts
Department: University Advising Center
Building 18, Room 131
(850) 474-3170
<http://uwf.edu/advising/>
advising@uwf.edu
College: Arts and Sciences
Semester Hours Required for Degree: 60

The University offers two ABET (Accreditation Board for Engineering and Technology) accredited engineering programs in conjunction with the University of Florida - Electrical Engineering and Computer Engineering. Although the University of Florida awards the degree, all courses are taught on the UWF campus. Students interested in either of these programs should review the information under Computer Engineering or Electrical Engineering in this *Catalog* or contact the Department of Electrical and Computer Engineering. Additionally, the University offers several related programs in Engineering Technology, Computer Science, and Physics. Please consult their program descriptions in this *Catalog*.

Students who are interested in exploring the field of engineering or pursuing a baccalaureate engineering degree in fields not offered at the University of West Florida should complete this Pre-Engineering Program. Completion will result in the student earning an Associate of Arts degree and meeting the Florida Common Prerequisites for Engineering Programs. Students planning to transfer to an institution outside the State University System of Florida should discuss with their advisor the specific transfer requirements for that school.

PROGRAM REQUIREMENTS

Pre-Engineering students should enroll in EGN 1002 Introduction to Engineering during their first semester.

Students should consult with an advisor to determine additional courses that may be taken at UWF as part of the Associate of Arts degree program. Courses may include prerequisites at universities other than Florida public institutions or upper division courses that may apply toward baccalaureate graduation requirements. Advisors are available in the University Advising Center. Students who meet the requirements for the Associate of Arts degree must submit an application for graduation in order for the degree to be awarded.

Course descriptions are listed alphabetically by prefix in the back of this *Catalog*.

General Studies (36 sh)

Pre-Engineering students should take ECO 2013 to meet the Socio-Political requirement, EUH 1001 to meet the Historical requirement, PHI 2603 to meet the Values and Expressions requirement, MAC 2311 and MAC 2312 to meet the Mathematics requirement, and PHY 2048/L and PHY 2049/L to meet the Science requirements of General Studies. For additional information see the General Studies section of this *Catalog*.

Common Prerequisites (37 sh)

The following courses include all state mandated common prerequisites for engineering programs.

Communications

+ENC	1101	English Composition I	3
+ENC	1102	English Composition II	3

Mathematics:

+MAC	2311	Analytic Geometry and Calculus I	4
+MAC	2312	Analytic Geometry and Calculus II	4
+MAC	2313	Analytic Geometry and Calculus III	4
+MAP	2302	Differential Equations	3

Natural Science:

+CHM	2045/L	General Chemistry I/Lab	4
+CHM	2046/L	General Chemistry II/Lab	4
+PHY	2048/L	University Physics I/Lab	4
+PHY	2049/L	University Physics II/Lab	4

+ Indicates common prerequisites which can be used to satisfy General Studies requirements.

Other Associate of Arts Degree Requirements:

- a. Satisfy the General Studies requirements;
- b. Complete at least 60 semester hours of course work;
- c. Complete at least 30 semester hours of those 60 hours in residence at UWF. Eighteen semester hours of the 30 hours in residence must be taken from the list of UWF General Studies course (contact the University Advising Center for details);
- d. Fulfill the Gordon rule requirements;
- e. Satisfy the CLAST requirement;
- f. Attain a UWF cumulative GPA of at least 2.0; and
- g. Complete the foreign language requirement.