CIVIL ENGINEERING

COLLEGE : ENGINEERING
SCHOOL : NONE
DEGREE : BACHELOR OF SCIENCE IN CIVIL ENGINEERING
OPTION/TRACK : NONE

LIMITED ACCESS PROGRAM: YES-THIS PROGRAM HAS ADDITIONAL ADMISSIONS REQUIREMENTS AS STATED BELOW.

CAMPUS(ES) WHERE OFFERED/CONTACT:
TAMPA / Coordinator of Advising, Engineering, (813) 974-2684
LAKELAND (Partial) / Advisor, Engineering, (941) 667-7011
SARASOTA (Partial) / Advisor, Engineering, (941) 359-4331

• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF
(State Mandated Common Prerequisites)

Complete the A.A. degree at the community college. Some courses required for the major may also meet General EducationRequirements thereby transferring maximum hours to the university. A minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

• Admission Requirements to the University Program of Study

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Procedures for Applying to the College of Engineering

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University’s Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University’s Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

Engineering Admissions Requirements

Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

• Bachelor's Curricula - Civil Engineering Option

CEG 4011 Soil Mechanics
CEG 4011L Geotech Lab
GES 3102 Structures
GES 4605 Concepts of Steel Design
GES 4702 Concepts of Concrete Design
CGN 3021L C.E. Lab
*CGN 4122 Professional & Ethical Issues (MW/MI)
CHM 2041 General Chemistry I
CHM 2041L General Chemistry I Laboratory
CHM 2046 General Chemistry II
CHM 2046L General Chemistry II Laboratory
CWR 4202 Hydraulics
EGN 3311 Statics
EGN 3321 Dynamics
EGN 3331 Mechanics of Materials
EGN 3331L Mechanics of Materials Lab
EGN 3343 Thermodynamics I
EGN 3353 Fluid Mechanics
EGN 3355 Materials
EGN 3373 Intro to Electrical Systems
EGN 3443 Engineering Statistics
EGN 3613 Engineering Economy

Continued
EGN 4930 Foundations of Engineering (3)
EGS 1113 Introduction to Design Graphics (3)
ENC 1101 Freshman English I (3)
ENC 1102 Freshman English II (3)
ENC 4931 Engineering Communication (3)
EGN 2210 Computer Tools for Engineers (3)
ENV 3001 Environmental Engineering (3)
GLY 3850 Geology for Engineers (3)
MAC 2281 Engineering Calculus I (3)
MAC 2282 Engineering Calculus II (3)
MAC 2283 Engineering Calculus III (3)
MAP 2302 Differential Equations (3)
PHY 2048 General Physics I (3)
PHY 2048L General Physics I Lab (1)
PHY 2049 General Physics II (3)
PHY 2049L General Physics II Lab (1)
TTE 4004 Transportation (3)

C.E. Concentration Requirements  (9)
C.E. Capstone Design Requirement (3)

*ALAMEA Perspective Elective  (3)
*Fine Arts Elective (3)
*Historical Perspectives Elective (6)
*Social Science Electives (6)
*MWI/MI (Non-Engineering) (3)

*Approved General Education Requirements

Civil Engineering Concentration Requirements
(A student must complete a minimum of 9 hours, with at least 2 courses from one group.)

Water Resources
ENV 4502 Environmental Unit Operations (3)
ENV 4101 Air Pollution Control (3)
CWR 4103 Water Resources Engineering (3)
SWR 2101 Land Surveying (3)

Geotechnical/Transportation
CEG 4012 Soil Mechanics II (3)
TTE 4005 Transportation Engineering II (3)
CGN 4851 Cement and Concrete Design (3)
CES 4141 Matrix Structural Analysis (3)
ENV 4101 Air Pollution Control (3)

Materials
EGN 4366 Materials Engineering II (3)
EMA 4324 Corrosion of Engineering Materials (3)
CGN 4851 Cement and Concrete Design (3)

Structural
CES 4141 Matrix Structural Analysis (3)
CES 4820 Timber & Masonry Design (3)
CES 4561 Computer Aided Structural Design (3)
CGN 4851 Cement and Concrete Design (3)
EMA 4324 Corrosion of Engineering Materials (3)

Civil Engineering Design Requirements
A student must complete the capstone design course in his/her area of concentration.

Water Resources
CWR 4812 Capstone Water Resources Design (3)

Geotechnical/Transportation
CEG 4850 Capstone Geotechnical/Transportation Design (3)

Materials
CES 4720 Capstone Structural/Material Design (3)

Structural
CES 4740 Capstone Structural Design (3)