Florida Atlantic University - PENG - Civil Engineering 2024-2025

Student must take 2 of the following courses, 1 must be from group A. The second course may be from group A or group B.

Communication

(Group A)

ENC 1101	College Writing I **(Required)**

(Group B)

ENC 1102	College Writing II **+**
ENC 1939	Special Topic: College Writing **+**
HIS 2050	Writing History **+**

Humanities

(Group A)

ARH 2000	Art Appreciation
MUL 2010	Music Appreciation
PHI 2010 & D	Introduction to Philosophy **(WAC) ++**
THE 2000	Theatre Appreciation

(Group B)

ARC 2208	Culture & Architecture
DAN 2100	Appreciation of Dance
FIL 2000 & D	Film Appreciation
JST 2452	Global Jewish Communities
LAS 2000	Intro to Caribbean & Latin American Studies
LIN 2607	Global Perspectives on Language
LIT 2010	Interpretation of Fiction **(WAC) ++**
LIT 2030	Interpretation of Poetry **(WAC) ++**
LIT 2040	Interpretation of Drama **(WAC) ++**
LIT 2070	Inter of Creative Nonfiction **(WAC) ++**
LIT 2100	Introduction to World Literature
LIT 2931	Special Topics in Lit **(WAC) ++**
MUH 2121	Music in Global Society
SPC 2608	Public Speaking
WOH 2012 & D	History of Civilization 1 **(WAC) ++**
WOH 2022	History of Civilization 2

Mathematics

(Group A)

MAC 1105	College Algebra
MAC 2311	Calculus with Analytical Geometry 1 **(Required)**

(Group B)

MAC 2210	Intro Calculus w/Applications
MAC 2312	Calculus with Analytic Geometry 2 **(Required)**

Additional Enrichment (6 Credits)

Enrichment credits will be completed through Science Group 1 and Science Group 2 Requirements

(1) Science Group 1   (2) Science Group 2

Additional Major Requirements for First- and Second-Year Students

EGN 1002 & D	Fundamentals of Engineering **(Required)**
EGN 1111C	Engineering Graphics **(Required)**
SUR 3103 & L	Geomatics Lab **(Required)**

Natural Science

CHM 2045 & L	General Chemistry 1 (4 cr. w/Lab) **‡ (Required)**
PHY 2048 & L	General Physics 1 (5 credits w/Lab) *** (Required)**

And must also choose ONE from Science 1 Group:

BSC 1010 & L	Biological Principles (4 cr. w/Lab)
GLY 2010C	Physical Geol/Evolution of the Earth (4 cr. w/lab)
PHY 2044 & L	Physics for Engineers 2 (4 credits w/lab)

And must also choose ONE from Science 2 Group:

BSC 1010 & L	Biological Principles ****** (4 cr. w/Lab)
GLY 2010C	Physical Geol/Evolution of the Earth ****** (4 cr. w/lab)
CHM 2046 & L	General Chemistry 2 (4 cr. w/Lab)
PHY 2044 & L	Physics for Engineers 2 ****** (4 credits w/lab)

Note: lab for Physics 2 is PHY 2049L

**May not be used to satisfy Science 2 if used to satisfy Science 1

Social Sciences

(Group A)

AMH 2010 & D	United States History to 1877 ◊
AMH 2020 & D	United States History Since 1877 ◊
ANT 2000 & D	Introduction to Anthropology **(WAC)**
ECO 2013	Macroeconomic Principles
POS 2041	Government of the United States ◊
PSY 1012	Introduction to Psychology

(Group B)

ANT 2410	Culture and Society
CCJ 2002	Law, Crime & the Criminal Justice System
DIG 2202	Digital Culture
ECO 2023	Microeconomic Principles
ECP 2002	Contemporary Economic Issues
EDF 2854	Educated Citizen in Global Context
EEX 2091	Disability and Society
EME 2620	Digital Literacy in a Globally Connected World
EVR 1110	Climate Change: The Human Dimensions
EVR 2017	Environment and Society
GEA 2000	World Geography
INR 2002	Introduction to World Politics
LIN 2001	Introduction to Language **(online)**
MAR 2142	Culture, Consumers, & the Global Mktplace
PAD 2081	Risk Resilience and Rising Seas
PAD 2258	Changing Env. of Soc., Bus., & Gov't
POT 2000	Global Political Theory
SOW 1005	Global Perspectives of Social Services
SYG 1000	Sociological Perspectives
SYG 2010	Social Problems
SYP 2450	Global Society
URP 2051	Designing the City

Important Policies for Civil Engineering

(A) Pre-Professional Engineering Program

Incoming first-year and transfer students in engineering bachelor's programs will start as pre-engineering students. To be admitted to their chosen major within the College of Engineering and Computer Science, students must:

(1) Achieve a minimum grade of "C" in each listed core course.

(2) Have a maximum of two attempts for each listed course. Failure to pass on the second attempt, including withdrawals, may result in denial of admission to major.

Pre-Professional Program Courses: MAC 2311 & PHY 2048 & L

(B) Math Policies & Math Boot Camp

Students who do not successfully pass a math course on their first attempt (including withdrawals), must complete FAU's Math Boot Camp before enrolling in 2nd attempt. Math boot Camp website: https://www.fau.edu/ugstudies/math-boot-camp/

Failing or withdrawing from the second attempt of a math course may result in a mandatory major change outside of the college

For additional program requirements, contact the Division of Engineering & CS Student Services & Advising (DESSA)

Phone: 561-297-2780   Email: cegeadvising@fau.edu

LEGEND

+   ENC 1101 is a prerequisite

++   Two Communication courses are required before taking this course.

◊   Please visit FAU's website regarding the Civic Literacy Requirements. (https://www.fau.edu/ugstudies/civic-literacy-requirement/)

‡   Co-requisite of MAC 1105 or a prerequisite of CHM 1025.

*   MAC 2311 is a prerequisite for this course.

WAC   Writing Across the Curriculum course – minimum grade of "C" required. Students must take four WAC courses