Florida Atlantic University – PENG Geomatics Engineering 2026-2027

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

I. Communication

(Group A)

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

Students must complete ENC 1101 and ENC 1102 (or one of the approved substitutes for ENC 1102) with a grade of "C" or higher in each course.

(Group B)

ENC 1102	College Writing II **(WAC)** +
ENC 2135	Research and the Writing Process **(WAC)** + Ω
HIS 2050	Writing History **(WAC)** +
SPC 2608	Public Speaking (non-WAC) **non-substitute**

II. Humanities

(Group A)

ARH 2000	Art Appreciation
HUM 2020	Introduction to Humanities
LIT 2000	Introduction to Literature **(WAC)**
MUL 2010	Music Appreciation
PHI 2010 & D	Introduction to Philosophy **(WAC)** ++
THE 2000	Theatre Appreciation

(Group B)

ARC 2208	Culture & Architecture
ARH 2050	History of Art 1
ARH 2051	History of Art 2
DAN 2100	Appreciation of Dance
FIL 2000 & D	Film Appreciation
LIN 2607	Perspectives on Language
LIT 2010	Interpretation of Fiction **(WAC)** ++
LIT 2030	Interpretation of Poetry **(WAC)** ++
LIT 2040	Interpretation of Drama **(WAC)** ++
LIT 2070	Interp. of Creative Nonfiction **(WAC)** ++
LIT 2100	Introduction to World Literature
MUH 2121	World Music
SPT 2530	Hispanic Culture and Civilization
WOH 2012 & D	History of Civilization 1 **(WAC)** ++
WOH 2022	History of Civilization 2

III. Mathematics

(Group A)

MAC 1105	College Algebra
MAC 2311	Calc. w/Analytic Geom. 1 (4 cr.) **(Required)**
STA 2023	Introductory Statistics **(Required)**

Or any mathematics course for which one of the above general education core course options in Mathematics is the direct prerequisite.

(Group B)

MAC 2210	Intro Calculus w/App. (4 cr.) **(see note)**
MAC 2312	Calc. w/Analytic Geom. 2 (4 cr.) **(see note)**

NOTE: Must take either MAC 2210 or MAC 2312

IV. Natural Science

(Group A) & (Group B)

(All 3 Required)

PHY 2048 & L	General Physics 1 (5 cr. w/Lab)*
CHM 2045 & L	General Chemistry 1 (4 cr. w/Lab)
GLY 2010C & D	Phys. Geol/Evolution of the Earth (4 cr. w/Lab)

2 Physical or Natural Science restricted electives – see college advisor for options.

V. 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 2100	Introduction to Archaeology Ω
CCJ 2002	Law, Crime & the Criminal Justice System
ECO 2023	Microeconomic Principles
EME 2620	Digital Literacy
EVR 1110	Human Dimensions of Environmental Change
EVR 2017	Environment and Society
GEA 2000	World Geography
INR 2002	Introduction to World Politics
LIN 2001	Introduction to Language (online)
PAD 2081	Risk & Resilience to Natural Hazards
POT 2000	Global Political Theory
SOW 1005	Perspectives of Social Services
SYO 2101	Families in the United States Ω
URP 2051	Designing the City

VI. Additional Enrichment

Will be satisfied by additional Group 1 and Group 2 Natural Science requirements.

LEGEND

+ ENC 1101 is a prerequisite.
++ Two Communication courses are required before taking this course.
§ Reserved for Wilkes Honors College & University Honors Program students only.
◊ 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.
(R) – Recommended
(SR) – Strongly Recommended
The following courses are not offered at FAU but will fulfill this requirement if transferred from another school.
WAC - Writing Across the Curriculum course – minimum grade of "C" required. Students must take four WAC courses.

Important Policies for Geomatics Engineering Majors

(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) Meet University admission requirements.
(2) Achieve a minimum grade of "C" in each listed core course.
(3) 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 the 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 Boot Camp before enrolling in a second attempt. Math Boot Camp website: https://www.fau.edu/ugstudies/math-boot-camp/. Failing or withdrawing from a second attempt at a math course may result in a mandatory major change outside of the college.

For additional program requirements, contact the Center for Advising and Student Engagement (CASE)
Phone: 561-297-2780
Email: cegeadvising@fau.edu
Website: https://www.fau.edu/engineering/case/

Additional Major Requirements for First- and Second Year Students (ALL Required courses)

EGN 1002 & D	Fundamentals of Engineering
CGN 2327	Computer Aided Design
SUR 3103C	Geomatics

Computer Programming Elective - Speak with an academic advisor about options.