

Florida Atlantic University – PENG Geomatics Engineering 2026-2027

Students must take 2 of the following courses, 1 must be in 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**

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.

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

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

SYG 1000 Sociological Perspectives

SYO 2101 Families in the United States Ω

URP 2051 Designing the City

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

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.