**Florida Atlantic University – PENG Ocean 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)** |

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

(Group B)

| | |
|---|---|
| MAC 1147 | Precalculus Algebra & Trigonometry (4 cr.) |
| MAC 2210 | Intro Calculus w/App. (4 cr.) ***(Permit Only)*** |
| MAC 2312 | Calc. w/Analytic Geom. 2 (4 cr.) **(Required)** |

### IV. Natural Science (ALL Required courses)

(Group A) & (Group B)

| | |
|---|---|
| CHM 2045 & L | General Chemistry 1 (4 cr. w/Lab) ‡ |
| PHY 2048 & L | Gen. Physics for EG 1 (4 cr. w/Lab) * |

### 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

Choose 3 credits from Humanities, Social Science, Communication, or Natural Science subject areas.

(1) PHY 2044 & PHY 2049 lab (2) _____

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

| | |
|---|---|
| EGN 1002 & D | Fundamentals of Engineering |
| EEL 2161 | C for Engineers |
| EGN 1111C | Engineering Graphics |
| MAC 2313 | Calculus with Analytic Geometry 3 |
| OCE 3008 | Oceanography ** **(only offered in Spring)** |

## 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.
**Ω** Offered starting Fall 2026.
**◊** 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.
****** CHM 2045 & Lab 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 Ocean 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 admissions 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 the second attempt of 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: OMEadvising@fau.edu
Website: https://www.fau.edu/engineering/case/