

BS IN NAVAL ARCHITECTURE AND MARINE ENGINEERING DEGREE REQUIREMENTS

General Education Requirements

English

- ENGL 1157 - English Composition 1 - **Credits: 3**
- ENGL 1158 - English Composition 2 - **Credits: 3**
OR
- ENGL 1159 - English Composition 2 Honors - **Credits: 3**¹

Mathematics

- MATH 2114 - Calculus I - **Credits: 4**²
- MATH 2124 - Calculus II - **Credits: 4**²

Science

- BIOS **Credits: 3**
- PHYS 1061 - Physics Sci Engr I - **Credits: 3**
- PHYS 1062 - Physics Sci Engr II - **Credits: 3**

Humanities

- ENGL 2152 - Technical Writing - **Credits: 3**
- ENGL Literature **Credits: 3**
- PHIL 2201 - Ethics - **Credits: 3**

Social Sciences

- ECON 1203 - Principles of Microeconomics - **Credits: 3**
OR
- ECON 1330 - Financial Literacy - **Credits: 3**
- Social Science Elective (ANTH, ECON, GEOG, POLI, PSYC, SOC, URBN) **Credits: 3**

Arts

- (Fine Arts, Music, FTA except FTA 2650, 2660) **Credits: 3**

Total Credit Hours: 39

Other Requirements

- CHEM 1017 - General Chemistry I - **Credits: 3**
- ENCE 2350 - Statics - **Credits: 3**
- ENCE 2351 - Mechanics of Materials - **Credits: 3**
- ENCE 2311 - Mechanics of Materials Lab - **Credits: 1**
- ENEE 2550 - Circuits I - **Credits: 3**
- ENME 2740 - Structs & Prop of Materials - **Credits: 3**
- ENME 2750 - Dynamics - **Credits: 3**
- ENME 2770 - Engineering Thermodynamics - **Credits: 3**
- ENME 3020 - Engineering Analysis - **Credits: 3**
OR
- MATH 3221 - Meth in Differential Equations - **Credits: 3**
- ENME 3716 - Fluid Mechanics Lab - **Credits: 1**

- ENME 3720 - Fluid Mechanics - **Credits: 3**
- MATH 2134 - Calculus III - **Credits: 4**
- MATH 2221 - Elem Differential Equations - **Credits: 3**
- NAME 1170 - Intro to Naval Arch - **Credits: 3**
- NAME 1175 - Naval Arch Lab - **Credits: 2**
- NAME 2130 - Intro to Marine Eng - **Credits: 3**
- NAME 2160 - Hydrostatics and Stability - **Credits: 3**
- PHYS 1063 - Physics Lab for Science & Engr - **Credits: 1**
- PHYS 1065 - Physics Lab for Science & Engr - **Credits: 1**

Total Credit Hours: 51³

Course Requirements for Major

- ENGR 3090 - Senior Seminar - **Credits: 1**
- NAME 3120 - Ship Hull Strength - **Credits: 3**
- NAME 3131 - Marine Engines - **Credits: 3**
- NAME 3135 - Marine Electromech - **Credits: 3**
- NAME 3150 - Ship Resistance & Propulsion - **Credits: 3**
- NAME 3155 - Mar Hydro Lab - **Credits: 1**
- NAME 3160 - Offshore & Ship Dynamics I - **Credits: 3**
- NAME 3171 - Marine Design Methods - **Credits: 3**
- NAME 4170 - Marine Design - **Credits: 3**
- NAME 4175 - Marine Design Project - **Credits: 3**
- NAME 4000-Level Electives **Credits: 12**

Total Credit Hours: 38

Total Credit Hours Required: 128

Students have to achieve a grade of “C” or better in all prerequisites to 1000-level, 2000- level and 3000-level NAME courses to NAME 4170.

1. “C” or better required
2. 6 credits of Math satisfy the general education requirements. Check [General Education Courses](#) to confirm what courses fulfill this requirement.
3. Includes 2 credits of Math listed in general education requirements section
4. Check [General Education Courses](#) to confirm what courses fulfill this requirement.