

BACHELORS NAVAL ARCH & MARINE ENG

TOP INDUSTRIES 2021-2022

1. Industrial Engineering & Transportation
2. Government/Military
3. Consulting
4. Aerospace & Defense
5. Civil & Construction

SAMPLE JOB TITLES 2016-2022

- Analyst
- Associate Engineer
- Consultant
- Design Engineer
- Ensign
- Entry Level Engineer
- Jr. Naval Architect
- Marine Engineer
- Naval Architect
- Project Engineer
- Rotational Engineer

TOP HIRING COMPANIES 2019-2022

FINCANTIERI
MARINE GROUP



SAMPLE HIRING COMPANIES 2019-2022

- 3Dent Technology
- Bay Engineering
- Birdon America
- Bristol Harbor Group
- Chevron
- Elliott Bay Design Group
- ExxonMobil
- Fluid Motion
- General Dynamics Electric Boat & NASSCO
- Gibbs & Cox
- Goldman Sachs
- Interlake Steamship
- Kadey-Krogen Yachts
- Kevin Kerwin
- Marinette Marine
- MasterCraft Boat
- Metal Technologies
- Opensea
- Serco
- Shearer Group
- SMIT Salvage
- U.S. Navy
- University of Michigan

FULL TIME ANNUAL SALARY 2020-2022

Average: \$68,073

Min	Median	Max
\$37,440	\$70,000	\$98,000

INTERN MONTHLY SALARY 2021-2022

Average: \$3,522

Min	Median	Max
\$3,120	\$3,523	\$3,900

Data is subject to availability. At least 4 data points are required to publish salary data.
The most recent hiring data is published above.
Visit career.engin.umich.edu/career/salary-info for more comprehensive data.

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SAMPLE ELEVATOR PITCH

Hello, I'm [NAME] and I'm a junior studying naval architecture and marine engineering. I am seeking an internship in ship design.

I recently interned at General Dynamics Electric Boat where I performed weight and stability calculations for the new submarine design. On campus, I serve as the Chief Engineer for student-led Human Powered Submarine team, leading the design effort to create a faster and more efficient submarine.

My passion for solving technical challenges and leading others has prepared me for a role at your company. Would you be able to tell me more about the role?

SAMPLE IMPACT STATEMENT

Before - Analyzed ship models

After - Performed iterative fluid dynamic analysis on ship models using Orca3D to improve seakeeping.

KEY COURSES

NA 310 - Marine Structures looks at the structural analysis of ship hulls and offshore structures.

NA 321 - Marine Hydrodynamics dives deeper into fluid dynamics related specifically to marine systems.

NA 332 - Marine Power and Energy teaches students how to design shipboard electric power and propulsion systems through a semester-long design project.

NA 492 - Marine Engineering Lab; students analyze marine designs and data with computer programs and summarize findings in reports.

NA 475 - Capstone Design Project where students work in teams to create, develop, and document original marine designs to contract design level.

KEY SKILLS

Rhino3D with Orca - CAD software with an add-in for hull design and analysis

GHS - Simulation software for vessels and fluid interactions, such as stability and ballasting

MATLAB - Coding language used for data processing and analysis

MaxSurf - Simulation software for hull design and ship stability

SAMPLE EXTRACURRICULARS

Quarterdeck Honorary Society

Student Teams - UM:Autonomy, Electric Boat, Human Power Submarine, Sailing Team

