BACHELORS
NAVAL ARCH & MARINE ENG

TOP INDUSTRIES

1. Industrial Engineering & Transportation
2. Government/Military
3. Education/Academia
4. Aerospace & Defense
5. Oil & Gas

SAMPLE JOB TITLES

- Analyst
- Design Engineer
- Field Service Engineer
- Hull & Systems Engineer
- Marine Engineer
- Naval Architect
- Offshore Engineer
- Project Engineer
- Researcher
- Rotational Engineer
- Systems Engineer

TOP HIRING COMPANIES

FINCANTIERI MARINE GROUP

AMERICA'S NAVY

NAVSEA WARFARE CENTERS

SAMPLE HIRING COMPANIES

- 3Dent Technology
- ABS - American Bureau of Shipping
- Bay Engineering
- Birdon America
- Bristol Harbor Group
- Chevron
- Elliott Bay Design Group
- Fairbanks-Morse Defense
- Fluid Motion
- Foreship
- General Dynamics
- Ghenova Ingineria
- Gibbs & Cox
- Goldman Sachs
- Herbert Engineering
- Kerwin Naval Architects
- MasterCraft Boat
- Metal Technologies
- Navier Boat
- NETSCo
- Newport News Shipbuilding
- Port City Marine Services
- Schlumberger - SLB
- Serco
- Shearer Group
- Shell
- SMIT Salvage
- U.S. Dept. of Defense
- U.S. Naval Research Laboratory
- U.S. Patent and Trademark Office

FULL TIME STARTING ANNUAL SALARY

3 YEAR AVERAGE (AY 2021 - 2023)

Average: $67,851

Min	Median	Max
$37,440	$68,000	$98,000

INTERN HOURLY SALARY

AY 2023

Average: $22.76

Min	Median	Max
$15	$24	$30

Industries, Job Titles, and Companies are from Academic Years (AY) 2021-2023.
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