NAVAL ARCHITECTURE & MARINE ENGINEERING

What Is Naval Architecture & Marine Engineering?

Naval Architecture & Marine Engineering is one of the oldest, broadest, and most advanced engineering disciplines. Naval Architects & Marine Engineers design and prototype some of the largest, most complex systems in the world, including warships, aircraft carriers, and nuclear-powered submarines. Naval Architecture & Marine Engineering combines interdisciplinary technical knowledge with the latest concepts in design, manufacturing, and innovation.

What Projects/Programs Involve Naval Architecture & Marine Engineering?

Naval Architects & Marine Engineers design and develop a variety of advanced systems, including the following:
- Warships
- Submarines
- Sailboats
- Yachts
- Merchant Vessels
- Unmanned Surface Vehicles (USVs)
- Unmanned Underwater Vehicles (UUVs)

In addition to the design of these complex maritime systems, Naval Architects & Marine Engineers continue to contribute to the fields of mechanical engineering, electrical engineering, and aeronautical/aerospace engineering.

Naval Architecture & Marine Engineering is an innovative, in-demand profession with exceptional future employment and salary potential.

JOIN THIS EXCITING MAJOR TODAY!

FOR MORE INFORMATION ...

https://www.usna.edu/NAOE

Graduates of the ENM major/program serve in every warfare community in the United States Navy (USN) and the United States Marine Corps (USMC). ENM graduates have pursued advanced degrees (MBA, JD, PhD); served at the highest levels of uniformed/government service; directed cutting-edge research/development programs; and excelled as professional engineers, astronauts, CEOs, and leaders.
Why Is The USNA ENM Major/Program Unique?

A top-ranked program, the ENM major is one of the smallest, most familial majors on the Yard, averaging 25 midshipmen per class-year. Featuring award-winning faculty, world-renowned facilities, and exciting elective courses, the ENM major sets the standard for engaging, relevant, hands-on design and research activity.

What Types Of Courses Are Required For The ENM Major/Program?

The ENM major is truly interdisciplinary in nature. The program features a variety of fundamental courses in ship design, resulting in a comprehensive understanding of hydrostatics, ship stability, resistance, propulsion, structural design, seakeeping, maneuvering, and marine engineering systems. Unique elective courses provide the opportunity to study autonomous vessel design, modern fabrication processes, submarine design, advanced marine vehicle design, project management, and engineering/marine economics. An honors track (ENMH) exists within the major, and all midshipmen are encouraged to pursue independent research and various summer internship opportunities.