

MARITIME ADMINISTRATION
U.S. Department of Transportation
Center of Excellence (CoE) for Domestic Workforce Training and Education

**Hampton Roads Maritime Industries Education Alliance –
Old Dominion University (ODU) – Norfolk, VA**

The Secretary of Transportation designates the Hampton Roads Maritime Industries Education Alliance, incorporating Old Dominion University (ODU), as a Center of Excellence for Domestic Maritime Workforce Training and Education (CoE). As an R1 public research university generating \$2.6B annually, ODU anchors the region's shoreside maritime education, digital shipbuilding research, and supply chain management.

Operational Footprint & Assets

- **School of Supply Chain, Logistics, and Maritime Operations:** State-approved interdisciplinary school delivering specialized B.S. and M.S. degrees in Maritime & Supply Chain Management, Trade, Port, and Logistics Management.
- **Naval Architecture & Marine Engineering Tracks:** Offers a B.S. in Mechanical Engineering Technology (with concentrations in Marine Systems and Nuclear Systems), a Minor in Marine Engineering, and Graduate Certificates in Naval Architecture and Marine Engineering.
- **Virginia's Modeling, Analysis, and Simulation Center (VMASC):** Houses the *Digital Ship (DS)* unit (\$10.5M+ in research awards) and the *Maritime Industrial Base Ecosystem (MIBE)* (\$6.3M+ funding), focused on digital shipbuilding, 3D modeling, and fleet resilience.
- **DOE Cybersecurity Center for Offshore Wind Energy:** \$1 million Department of Energy grant-funded research facility dedicated to securing offshore wind digital energy infrastructure.

Workforce & Regional Impact

- **High Degree & Credential Conferred Volume:** Conferred 764 maritime-aligned degrees and graduate certificates in the 2022–2023 academic year alone across Civil, Electrical, Mechanical, Marine, Coastal, and Cybersecurity discipline tracks.
- **Primary Shipyard Talent Source:** Serves as the largest university alumni provider to Newport News Shipbuilding, with more than 1,000 ODU graduates employed at the yard.
- **K-12 & Trades Curriculum Engagement:** VMASC Digital Ship engaged over 59,200 people, developed 33 maritime curricula/workshops, and created Level 2/3 Marine Trades Training courses in Welding, Structural Fitting, Marine Electricity, and Coatings for regional community colleges.
- **Veteran & Military Integration:** Top-rated veteran-friendly institution with military-connected students comprising over 12% of the undergraduate student body in a region where DoD spending accounts for 45.6% of economic activity.

Strategic Outlook

Anchored in the Hampton Roads maritime ecosystem, Old Dominion University drives the

research, engineering, and logistical foundations supporting naval fleet readiness, commercial port commerce, and coastal resilience. Its interdisciplinary graduate certificates in Naval Architecture, Marine Engineering, and Coastal Engineering create stackable, high-impact career pathways for the next-generation maritime workforce.