2-Year High School STEM Pathway (Grades 11-12)

# MEESA

MARITIME ENGINEERING AND ENVIRONMENTAL STUDIES ACADEMY

An Old Dominion University College Partnership Lab School

ODU Center *for* Educational Innovation *and* Opportunity

NEWPORT NEWS PUBLIC SCHOOLS

813 Diligence Drive, Suite 100 • Newport News, VA 23606

## Program Overview: Turn Your Junior & Senior Years into a Career Launchpad!

Are you a current 10th grader ready to take your education out of the classroom and into the real world? The Maritime Engineering and Environmental Studies Academy (MEESA) is an innovative College Partnership Laboratory School created by Old Dominion University (ODU) and Newport News Public Schools. This elite two-year program offers hands-on, university-backed learning in a cutting-edge environment, preparing students for high-demand, high-paying careers in the global maritime industry.






## The Best of Both Worlds: The Half-Day Advantage

Enrolling in MEESA does not mean leaving your high school behind! MEESA operates as a half-day program. You will attend your zoned NNPS high school for part of the day to maintain your core academics, sports, and extracurriculars, and spend the other half of your day at the MEESA Lab School campus mastering maritime logistics and engineering.

## The Two-Year Lab School Progression

- **11th Grade (Foundational Lab School Immersion)**: Dive into applied STEM with hands-on challenges across *Maritime Engineering Explorations I, Global Logistics & Enterprise Systems I,* and *Principles of Technology I* (which begins your laboratory physics science sequence).
- **12th Grade (Advanced Applications, ODU Credits, ODU Admission Guarantee* & Internships):** Instead of narrowing to a single track, seniors complete a comprehensive capstone package. You will advance through *Maritime Engineering Analysis & Applications II, Global Logistics & Enterprise Systems II,* and *Principles of Technology II* (completing your physics credit). Students earn official Old Dominion University college credits, finalize a senior capstone defense, and participate in high-quality workplace internships alongside industry partners.

## Graduate with an Edge: Elevate. Empower. One NNPS.

Whether your goal is to pursue a bachelor's degree, earn an associate degree, or step directly into the workforce, MEESA empowers you with a massive competitive advantage. Graduates leave the Lab School with:

- **Guaranteed admission to ODU** upon successful completion of MEESA coursework and a GPA of 2.5 or higher*.
- **Direct University Credit:** Earn college credits directly from Old Dominion University, establishing an official college transcript before high school graduation.
- **Industry-Recognized Certifications:** Gain high-demand workforce credentials, including Autodesk AutoCAD (Junior year) and Autodesk Inventor (Senior year) for engineering, alongside the Certified Logistics Associate (CLA) and Certified Logistics Technician (CLT) for global logistics.
- **Authentic Fieldwork & Portfolios:** Build an engineering portfolio showcasing tangible design projects, data analysis, and on-site networking with marine engineers and logistics experts through senior internships.











### Who is eligible?

We are now accepting applications for both incoming juniors (current 10th graders) and incoming freshmen (current 8th graders) who are Virginia residents and are interested in exploring maritime engineering, logistics, and environmental science. Transportation is provided between your zoned high school and the MEESA campus. **10th Graders:** By applying now, you secure your spot in the MEESA cohort to begin half-day Lab School immersion in 11th grade.

### Application & Contact Information

Interested students must submit a Magnet School Application electronically by the December deadline. Applications are available online at www.nnschools.org/magnet. If the number of eligible applicants exceeds available spaces, students will be selected through a lottery process. For assistance, contact the NNPS Magnet Office at (757) 283-7850 ext. 10206.

### Contact Us

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**Maritime Engineering and Environmental Studies Academy**
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