

Isle Maritime Trades Academy

APRIL 8, 2024



Our Vision for the IMTA

The Isle Maritime Trades Academy will have a significant impact on students, families, community, and the maritime industrial workforce by preparing students for immediate employment in high-demand skilled trades with regional maritime employers, in career pathways that provide a family-sustaining income and opportunities for additional career advancement through further education or training after high school.

IMTA Program Model

- ▶ 2-year cohort model, enrolling high school juniors and seniors
- ▶ Students enter the academy as juniors in one of two career pathways: marine welding and marine electrical.
- ▶ At capacity, IMTA will serve 80 students: 20 per pathway per grade level.
- ▶ Curriculum consists of dual enrollment credit courses in first three semesters, maritime trades-specific workforce training in the fourth semester, and co-curricular activities throughout, such as career advising, mentoring, industry tours, job shadowing, workplace readiness, and interview skills.
- ▶ In alignment with the Governor's initiative, students who complete the curriculum will earn at least one career studies certificate, multiple industry-recognized credentials, and an Associate of Applied Science in Technical Studies degree from Camp Community College

IMTA Program Model

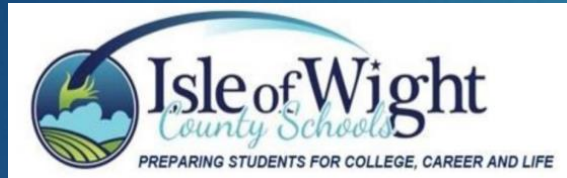
Welding Pathway

- ▶ Foundational courses in Safety and Drafting
- ▶ General Welding Career Studies Certificate
- ▶ Professional Welding – Pipe Career Studies Certificate
- ▶ Marine Trades Training
 - ▶ Pipefitter
 - ▶ Structural Fitter
 - ▶ Marine Coating
- ▶ AAS Technical Studies, includes college general education courses, credit for career technical courses, and CPL for workforce training

Electrical Pathway

- ▶ Foundational courses in Safety and Drafting
- ▶ Practical Electrician Career Studies Certificate
- ▶ Additional ELE courses in Power Distribution Systems, Industrial Electricity, and Programmable Controllers
- ▶ Marine Trades Training
 - ▶ Basic Marine Electrician
 - ▶ Outside Machinist
 - ▶ Sheet Metal
- ▶ AAS Technical Studies, includes college general education courses, credit for career technical courses, and CPL for workforce training

Partnerships



Isle of Wight County Public Schools

- ▶ Facilities
- ▶ Faculty / Subject Matter Experts
- ▶ Transportation and Meals
- ▶ Testing Support
- ▶ Student Support
- ▶ Governing Board and Advisory Board representation

Huntington Ingalls Industries – Newport News Shipbuilding

- ▶ Subject Matter Experts
- ▶ Mentors
- ▶ Tours
- ▶ Job Shadowing
- ▶ Mock Interviews
- ▶ Guaranteed Interviews for students who successfully complete IMTA curriculum
- ▶ Governing Board and Advisory Board Representation

Targeted Population & Need

- ▶ Students interested in a career technical pathway that leads directly to employment after high school
- ▶ Though open to all students, the initial and primary student population for the IMTA will likely be students from Isle of Wight County. IWCS survey data supports the enrollment targets for the IMTA.
- ▶ Expect interest from students in districts within and adjacent to Camp Community College's service region
- ▶ Maritime Trades was selected to address the regional need for more trained and qualified individuals to enter the advanced manufacturing workforce, including skilled production, manufacturing, and shipbuilding and repair.
- ▶ These represent nearly 20,000 regional jobs with family-sustaining earnings and a projected ten-year age-out of between a quarter and a third of the workforce.
- ▶ HII-NNS has identified welders, electricians, shipfitters, pipefitters, marine coating, and outside machinists as "high need" occupations for their organization.

A “Day in the Life” at IMTA

- ▶ IMTA is a full-day curriculum. Students take classes on M/Th and Tu/F schedule.
- ▶ In Year 1
 - ▶ Juniors complete foundational and general education courses at Camp’s Center at Smithfield in morning blocks 1 and 2 (7:30 – 10:45)
 - ▶ Students are transported to the appropriate facility for lunch and the CTE courses in the afternoon blocks 3 and 4 (11:45 am – 2:50 pm)
 - ▶ Windsor High School for welding
 - ▶ Smithfield High School for electrical
- ▶ In Year 2 and thereafter, seniors will take their career technical courses in the morning at Camp’s Workforce Trades and Innovation Center, and general education in the afternoon at Camp’s Center at Smithfield.
- ▶ Wednesdays are reserved for skills lab, remediation, credit recovery, advising, and co-curricular activities.

Overall Budget and Sustainability

	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
EXPENSES	\$1,099,253	\$429,363	\$863,375	\$905,527	\$1,003,586	\$961,720
REVENUE	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
per-pupil-per-year funding*		\$280,000	\$504,000	\$472,000	\$472,000	\$0
Lab School start-up funding	\$1,000,000					
Higher Education Institutional Support		\$150,000				
State funding from DE FTE			\$40,170	\$112,476	\$176,748	\$176,748
Tuition: Fastforward funding			\$360,000	\$360,000	\$360,000	\$360,000
Equipment Trust Fund						\$50,000
Expanded partnerships/fundraising						\$400,000
Planning Grant Funding	\$100,000					
TOTAL REVENUE	\$1,100,000	\$430,000	\$904,170	\$944,476	\$1,008,748	\$986,748
*Per student per year		\$7,000	\$6,300	\$5,900	\$5,900	\$0