

# ST. JOHNS TECHNICAL HIGH SCHOOL




## ACADEMY OF AQUACULTURE

- HISTORY OF AQUACULTURE, ECONOMICS & INDUSTRY OVERVIEW
- ANATOMY & PHYSIOLOGY OF AQUACULTURE SPECIES
- WATER QUALITY PARAMETERS & MANAGEMENT
- STAGES OF PRODUCTION: FROM HATCHERY TO MARKET
- DESIGN, OPERATION & MAINTENANCE OF AQUACULTURE SYSTEMS
- FISHERY RULES, REGULATIONS & BEST MANAGEMENT PRACTICES
- CONSERVATION & RESTORATION
- AQUACULTURE BUSINESS MANAGEMENT
- FIELD STUDIES, WORK-BASED LEARNING & SUMMER INTERNSHIPS
- INDUSTRY CERTIFICATION - AQUACULTURE TECHNICIAN
- FUTURE FARMERS OF AMERICA STUDENT ORGANIZATION (FFA)
- DUAL ENROLLMENT AGRICULTURE PATHWAY TO FIRST COAST TECHNICAL COLLEGE



The **Academy of Aquaculture** offers students the technical knowledge and skills needed to prepare for further education and careers in the Agriculture, Food and Natural Resources career cluster. Students study the history and economics of aquaculture, anatomy and physiology of species, and stages of production from hatchery to husbandry to market. Students will also learn water quality, construction, aquaculture facilities operations, Best Management Practices, and commercial hatchery and fishery rules and regulations. Students will engage in aquaculture farming within the schools greenhouse and ornamental aquarium set-up and maintenance within the classroom. Industry certification can be earned as an Aquaculture Technician. Students can pursue entry level careers in agriculture, aquatic farming, and agribusiness, or further their education in marine biology, fishery science, environmental science, or aquaculture.

| Coursework Progression  | Internship Opportunities   Business Partners  |
|---|---|
| <ul style="list-style-type: none"> <li>Aquaculture 2 (EQ science credit)</li> <li>Aquaculture 3 (EQ science credit)</li> <li>Aquaculture 4</li> <li>Agriscience Foundations (optional)</li> </ul> <p>All courses in this sequence are Honors level classes.</p> <div>  </div> <p>Dual Enrollment in the Horticulture Management or Landscape &amp; Turf Management program at First Coast Technical College (FCTC) is encouraged upon completion of these academy courses.</p> | <p>Agriculture Education Services &amp; Technology, Inc.</p> <p>Evans Fish Farm</p> <p>Flagler College—Facilities Construction &amp; Natural Sciences</p> <p>Florida Aquaculture Association</p> <p>Florida Fish &amp; Wildlife Conservation Commission</p> <p>Guana Tolomato Matanzas National Research Reserve</p> <p>Long Construction, LLC</p> <p>Putnam St. Johns County Farm Bureau</p> <p>The Whitney Laboratory for Marine Bioscience/UF</p> <p>University of Florida, IFAS</p> <p>UF/Tropical Aquaculture Lab</p> <p>Welaka National Fish Hatchery</p> |

### Academy Mission Statement

The Academy of Aquaculture provides students with high quality, industry relevant curriculum and instruction to ensure success in post-secondary education and/or academy related career opportunities. Through collaboration with our business partners, students will engage in applied learning, develop confidence, build long lasting relationships, and gain a sense of community.

### St. Johns Technical High School

St. Johns Technical High School (SJTHS) is centrally located on the campus of First Coast Technical College (FCTC). SJTHS serves the district as a School of Choice. Students must complete the enrollment process and then are given a customized learning path that meets their academic needs and career goals. Students can pursue dual enrollment at FCTC or St. Johns River State College. **Transportation is provided to SJTHS for all enrolled students.**

**To join an Academy at SJTHS, families do not apply through HAC, but instead submit an application directly to the school.** Please visit <https://www-sjths.stjohns.k12.fl.us/registration/> to access the application.

To learn more about St. Johns Technical High School and the Academy of Aquaculture, please contact:

Andrea W. Armstrong, Career Program Specialist

andrea.williamsonarmstrong@stjohns.k12.fl.us | 904.547.8130