Advanced Fisheries Technology

This is a one-credit course that provides students an in-depth study of modern commercial fisheries throughout the United States and the world. Topics studied in the course include the use of modern harvesting techniques and equipment, shore-side processing facilities, and vessel-to-retail processes. Students also study the import and export of seafood, the effect of commercial fishing on the economy, and rules and regulations involved with each fishery. Introduction to Fisheries Technology is a prerequisite for this course.

Career and technical student organizations are integral, cocurricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Commercial Species

Students will:

1. Demonstrate fishery technology, including licensure, harvesting, and processing of various commercial fish species.
   Examples: tuna, lobster, crab, shellfish

2. Compare different commercially important inshore and offshore fish species.
   Examples: redfish, tarpon, snapper, grouper, wahoo

3. Explain components of a marketing plan for the charter and recreational fishing industry.

Charter and Recreational Fishing for Game Fish

4. Explain characteristics of charter and recreational fishing, including licensing requirements for game fish.

5. Interpret state and federal rules and regulations associated with the aquaculture industry.

Aquaculture

6. Compare fisheries technology to aquaculture, including fishery operation, importing and exporting, and licensure requirements.