

PROGRAM OF STUDY: Commercial Fishing



This Program of Study may serve as a graduation guide for the next four plus years, along with other career planning and educational materials. Courses listed in this model may include recommended coursework and should be individualized to students' educational and career goals. Each graduation plan needs to meet minimum high school graduation requirements. Dual Enrollment courses can be high school academic and/or career technical education courses.

| SECONDARY: | | | | | POSTSECONDARY: | | |
|--|--|---|---|--|--|--|---|
| COURSE/ GRADE | NINTH | TENTH | ELEVENTH | TWELFTH | TCC | DIPLOMA OR AAS | BACHELOR OF SCIENCE |
| ENGLISH | 9 th grade Lit/ Composition | 10 th grade Lit/ Composition | American Lit/ Composition | World Lit/ Composition / British Lit | Entrance/Exit Point BSF1 Basic Commercial Fisherman Certificate Find the campus for the TCC options | Entrance/Exit Point Find the campus for the Diploma, Degree options | Entrance/Exit Point The University System of Georgia offers students' higher education options at 30 institutions throughout the state, providing a wide range of academic programming including certificates and associate, baccalaureate, masters, doctoral and professional degrees. https://apps.ds.usg.edu/ords/f?p=118:1:0: |
| MATHEMATICS | Coordinate Algebra / Algebra I | Analytic Geometry / Geometry | Advanced Algebra / Algebra II | Pre-calculus | | | |
| SCIENCE | Physical Science | Biology | Chemistry | Physics | | | |
| SOCIAL STUDIES | World History | Psychology | US History | Government (½ unit) Economics (½ unit) | | | |
| PATHWAY COMPLETER | Basic Agricultural Science | Safety, Watchkeeping, and Healthy Oceans for Commercial Fishing | Commercial Fishing, Management and Fisheries Science | Another course in focus area, Work-Based Learning, or Youth Apprenticeship | | | |
| Industry Recognized Credential (Pathway Completer) | | Visit the End of Pathway Assessment Page (see note below) | | | | | |
| Required/ Selective Electives | Health & Personal Fitness (<i>can be taken in grades 9-12</i>) | Forestry Science II | Agribusiness Management and Leadership | AP Biology | | | |
| | Modern Language/Latin 2 units required for admissions to Georgia University System Colleges/Universities For a listing of Modern Language/Latin courses offered at your high school, please contact your advisor, counselor, or curriculum handbook. | | Other Electives For a listing of other elective courses offered at your high school, please check with your advisor, counselor, or curriculum handbook. | | | | |

NOTE: Students have many options to ENTER and EXIT from their academic studies into the workforce. When a student graduates from high school, they are eligible to choose one of many ENTRANCE POINT options: 1. Enroll in either a 2 or 4 year post-secondary program; 2. Enroll in an apprenticeship program or the military; or 3. Enter the workforce using technical skills learned in high school. When a student finishes a 2- or 4-year degree program, they may choose to EXIT and 1. Enroll in an apprenticeship program or the military; 2. Enroll in a professional university degree program; or 3. Enter the workforce using technical skills learned.

Forest Natural Resources Management Career Pathway Completers - Industry Credentialing for High School Students
 Upon completion of sequenced courses in the Forest Natural Resources Management Pathway, students are eligible to complete the Industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the Forest Natural Resources Management pathway will be able to sit for the National Industry Credentialed assessment offered on-line from **NOCT1**, and **Precision**. Once mastery is reached, students will receive recognition for completion and use this credential in conjunction with their job or continuing training. For specific assessment information, refer to: <http://bit.ly/AgricultureEOPA>.

Sample In Demand Careers in Georgia

| Occupation Specialties | Level of Education Needed | Georgia Average Salary | Annual Average Openings in Georgia | 2014 – 2024 Employment Outlook |
|---|---|------------------------|------------------------------------|--------------------------------|
| Butchers and Meat Cutters | High School Diploma | \$27,901 | 606 | In Demand, High Skill |
| Ship and Boat Captains | Postsecondary courses | \$67,875 | 29 | High Skill, In Demand |
| Agricultural Workers | High School Diploma, some Postsecondary | \$41,899 | 570 | In Demand, High Skill |
| First Line Supervisors of Aquaculture Workers | Bachelor's Degree | \$46,998 | 98 | High Skill, High Wage |

[Data link here.](#)

Go to [GAfutures at www.gafutures.org](http://www.gafutures.org) for more information about your education and career planning, including valuable financial information (grants and scholarships including HOPE Program, grants and loans, FAFSA, and CSS forms).

| | | | |
|---|--|---|--|
| Career Enhancement Opportunities | Career-Related Education Activities <ul style="list-style-type: none"> Career Awareness Career Exploration Instructional Related Connecting <ul style="list-style-type: none"> Work-Based Learning Employability Skill Dev. Cooperative Education Internship Youth Apprenticeship Clinicals | Postsecondary Options: <ul style="list-style-type: none"> 4-Year Universities/Colleges 2-Year Colleges Technical Colleges State Registered Apprenticeships Special Purpose Schools On-the-Job Training Military | Earning Postsecondary Credits While in High School <ul style="list-style-type: none"> Dual Enrollment Program <ul style="list-style-type: none"> Earn postsecondary credit while in high school You can complete: <ul style="list-style-type: none"> Industry Credential Technical Certificate of Credit (TCC) Associates of Applied Science Degree <ul style="list-style-type: none"> Bachelor's Degree Who can help? <ul style="list-style-type: none"> Parents School Counselor Advisor |
| | Postsecondary Transition <ul style="list-style-type: none"> University System of Georgia Institutions: Admissions Testing <ul style="list-style-type: none"> ACT or SAT For More Information: <ul style="list-style-type: none"> Contact the institution of your choice OR Technical College System of Georgia <ul style="list-style-type: none"> Placement Exam United States Military <ul style="list-style-type: none"> ASVAB Assessment Use BRIDGE Law platform to inform decisions on postsecondary opportunities Dual Enrollment <ul style="list-style-type: none"> Earning high school course credits while taking college courses | | |
| Related Pathway Occupations | | Other Related Occupations | |
| <ul style="list-style-type: none"> Commercial Fishers Boat Captains Agricultural Workers Fisheries Scientists | | <ul style="list-style-type: none"> Animal Scientists First-Line Supervisor of Agricultural Workers | |
| *ONET Online | | | |

Commercial Fishing Pathway Description

The commercial fisheries courses allow students to have prior experience before going into job fields such as marine biology, oceanography engineering, geographic information science, diesel mechanics, welding, carpentry, and fishing (just to name a few). Some groups that students may choose to have a career with include Coast Guard, Department of Natural Resources, National Oceanic and Atmospheric Administration, various marine extension offices, and various commercial fishing vessels.

Skill sets needed to perform a multitude of tasks on any commercial fishing vessel includes (but not excluded to) knowledge and experience in diesel mechanics, net mending, welding, carpentry, information technology, navigation, business, and communications.

Educational requirements in this field vary by job from high school diploma to graduate degrees (particularly for research-related jobs). Those who are interested in this field should be able to work independently and as a team. Students should also have a commitment to preservation and conservation along with good communication skills.

Completion of this pathway includes First Aid/CPR certification, possible internships during high school, along with experience that is vital to the safety of anyone that is involved in the commercial fisheries field.