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.

### SECONARY:

<table>
<thead>
<tr>
<th>COURSE/ GRADE</th>
<th>NINTH</th>
<th>TENTH</th>
<th>ELEVENTH</th>
<th>TWELFTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH</td>
<td>9th grade Lit/ Composition</td>
<td>10th grade Lit/ Composition</td>
<td>American Lit/ Composition</td>
<td>World Lit/ Composition / British Lit</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>Coordinate Algebra / Algebra I</td>
<td>Analytic Geometry / Geometry</td>
<td>Advanced Algebra / Algebra II</td>
<td>Pre-calculus</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>Physical Science</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td>SOCIAL STUDIES</td>
<td>World History</td>
<td>Psychology</td>
<td>US History</td>
<td>Government (½ unit)</td>
</tr>
<tr>
<td>PATHWAY COMPLETER</td>
<td>Basic Agricultural Science</td>
<td>Safety, Watchkeeping, and Healthy Oceans for Commercial Fishing</td>
<td>Commercial Fishing, Management and Fisheries Science</td>
<td>Another course in focus area, Work-Based Learning, or Youth Apprenticeship</td>
</tr>
<tr>
<td>Industry Recognized Credential (Pathway Completer)</td>
<td>Health &amp; Personal Fitness (can be taken in grades 9-12)</td>
<td>Agribusiness Management and Leadership</td>
<td>AP Biology</td>
<td>Marketing Agriculture Products and Services</td>
</tr>
</tbody>
</table>

#### Required/ Selective Electives
- 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.

#### Postsecondary Transition
- University System of Georgia Institutions: Admissions Testing
  - ACT or SAT
  - For More Information: Contact the institution of your choice
- Technical College System of Georgia
  - Placement Exam
  - United States Military
  - ASVAB Assessment
  - Use BRIDGE Law platform to inform decisions on postsecondary opportunities
  - Dual Enrollment
  - Earning high school course credits while taking college courses

#### 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 NOCTI 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](http://bit.ly/AgricultureEOPA).

#### 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.

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.

#### Sample In Demand Careers in Georgia

<table>
<thead>
<tr>
<th>Occupation Specialties</th>
<th>Level of Education Needed</th>
<th>Georgia Average Salary</th>
<th>Annual Average Openings in Georgia</th>
<th>2018 – 2028 Employment Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butchers and Meat Cutters</td>
<td>High School Diploma</td>
<td>$28,480</td>
<td>610</td>
<td>In Demand</td>
</tr>
<tr>
<td>Ship and Boat Captains</td>
<td>Postsecondary Certificate</td>
<td>$65,420</td>
<td>30</td>
<td>High Skill</td>
</tr>
<tr>
<td>Agriculture Workers</td>
<td>High School Diploma</td>
<td>$29,040</td>
<td>7,790</td>
<td>In Demand</td>
</tr>
<tr>
<td>First Line Supervisors of Aquaculture Workers</td>
<td>Bachelor's Degree</td>
<td>$44,840</td>
<td>830</td>
<td>In Demand, High Skill</td>
</tr>
</tbody>
</table>

#### Related Pathway Occupations
- Fisheries Scientists
- Fish Hatchery Manager
- Aquatic Biologist

#### Other Related Occupations
- Animal Scientists
- Biological Technician
- Customs Inspector
- Fish & Game Warden
- Environmental Specialist

O*NET Online
## PROGRAM OF STUDY:

### Commercial Fishing

Go to GAfutures at 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 Awareness
- Career Exploration
- Instructional Related
- Connecting
- Work-Based Learning
- Employability Skill Dev.
- Cooperative Education
- Internship
- Youth Apprenticeship
- Clinicals

### Postsecondary Options:

#### DIPLOMA OR AAS

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>FISH 1001 Basic Health and Safety in Commercial Fishing</td>
</tr>
<tr>
<td>FISH 1002 Seamanship and Watchkeeping</td>
</tr>
<tr>
<td>FISH 1003 Basic Commercial Fishing Practices</td>
</tr>
<tr>
<td>FISH 1004 Introduction to Fisheries Science and Management</td>
</tr>
</tbody>
</table>

#### BACHELOR OF SCIENCE

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:](https://apps.ds.usg.edu/ords/f?p=118:1:0:)

### Earning Postsecondary Credits While in High School

- Dual Enrollment Program
- Earn postsecondary credit while in high school
- You can complete
  - Industry Credential
  - Technical Certificate of Credit (TCC)
  - Associates of Applied Science Degree
  - Bachelor’s Degree
- Who can help?
  - Parents
  - School Counselor
  - Advisor

---

**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.