



## Program of Study: Forestry Wildlife Systems

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: Forestry Wildlife Systems					Entrance or Exit Point	Postsecondary:		
Course/Grade	9	10	11	12		TCC	Diploma or AAS	Bachelor of Science
<b>English</b> 4 credits	9 <sup>th</sup> Grade Lit	10 <sup>th</sup> Grade Lit	American Lit	British Lit		<b>FTA1 TCC Forest Technician Assistant</b> <ul style="list-style-type: none"> <li>FORS 1010 Introduction to Forestry and Natural Resources</li> <li>FORS 1030 Dendrology</li> <li>FORS 1160 Forest Surveying and Mapping</li> <li>FORS 1260 Forest Management</li> </ul> Commercial Application Licensure Prescribed Burn Certification	Complete Academic courses <ul style="list-style-type: none"> <li>COMP 1000 Introduction to Computers</li> <li>FORS 1010 Introduction to Forestry and Natural Resources</li> <li>FORS 1020 Soils and Hydrology</li> <li>FORS 1030 Dendrology</li> <li>FORS 1040 Forest Protection</li> <li>FORS 1160 Forest Surveying and Mapping</li> <li>FORS 1210 GPS/GIS Aerial Photography</li> <li>FORS 12060 Forest Measurement</li> <li>FORS 1310 Silvics and Silviculture</li> <li>FORS 1410 Forest Measurement</li> <li>FORS 1580 Wildlife Management OR</li> <li>FORS 1600 Forest Technology Internship</li> <li>FORS 2460 Forest Management</li> <li>Guided Elective 3 credits</li> </ul>	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.
<b>Math</b> 4 credits	Algebra I	Geometry	Algebra II	Fourth Math Selection				
<b>Science</b> 4 credits	Environmental Science	Physical Science	Biology	Fourth Science Selection				
<b>Social Studies</b> 3 credits	World History	US History	Economics and Government					
<b>PE</b> 1 credit	Health and Personal Fitness		Consult your counselor for course progression. Course progression on this sheet is based on general guidelines.					
<b>Pathway</b> 3 credits	<b>Basic Agriculture</b>	<b>Wildlife Management</b>	<b>Forest Science</b>	See CTAE Related Electives Below				
<b>Electives</b>	<b>World Language Sequence</b> French or Spanish <i>2 Units Required for admission to Georgia University System Colleges</i>		<b>Fine Arts</b> Visual Arts Band Chorus Drama	Advanced Placement Courses  Dual Enrollment Courses				
	<b>Related CTAE Electives</b> Occupational Safety General Horticulture		<b>Work-Based Learning</b> Internship Cooperative Education Youth Apprenticeship					

For more information on technical college programs, visit <https://kms.tcsq.edu/POA>

For more information on college and university programs, visit [apps.ds.usg.edu](https://apps.ds.usg.edu)

**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.

### Forestry Wildlife Systems Career Pathway Completers - Industry Credentialing for High School Students

Upon completion of sequenced courses in a Forestry Wildlife Systems Career Pathway, students are eligible to complete the Industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the Forestry Wildlife pathway will be able to sit for the National Industry Credentialed assessment offered on-line from Precision. Once mastery is reached, students will receive recognition for completion and use this credential in conjunction with their job or continuing training.

Sample High Demand Careers in Georgia				
Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings	2014-2024 Employment Outlook
Soil and Plant Scientists	Bachelor's Degree	\$68,900	10	In Demand, High Wage
Foresters	Bachelor's Degree	\$53,200	4	High Skill
Forest and Conservation Workers	Bachelor's Degree	\$24,500	10	In Demand, High Skill

GDOL Labor Market Explorer

Go to GAfutures at <a href="http://www.gafutures.org">www.gafutures.org</a> 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).				<p style="text-align: center;"><b>Forestry Wildlife Systems Pathway Description</b></p> <p>Those working in the forestry and natural resources field conserve and manage our forest and natural resources. Sample job opportunities in this field include wildlife manager, park manager, fish and game officer, forest worker, logger, forest manager and fisheries manager.</p> <p>An associate's or bachelor's degree in forestry is the minimum education recommended for a professional career in forestry. Forestry and natural resources technicians usually receive their training through a combination of community colleges and on-the-job training. Many states require licensure of professional foresters.</p> <p>Those working in this field regularly work with landowners, loggers, forestry technicians and aides, farmers, ranchers, government officials, special interest groups and the general public. Anyone interested in this field should enjoy working outdoors.</p> <p>The federal, state and local governments employ many forestry and natural resources workers. Employment of foresters is concentrated in the western and southeastern states, where many national and private forests and parks and most of the lumber and pulp-wood producing forests are located. Job opportunities are expected to be good, with the most employment opportunities in private sector consulting firms, scientific research and development services.</p>
<b>Career Enhancement Opportunities</b>	<b>Career-Related Education Activities</b>	<b>Postsecondary Options:</b>	<b>Earning Postsecondary Credits While in High School</b>	
	<ul style="list-style-type: none"> <li>• Career Awareness</li> <li>• Career Exploration</li> <li>• Instructional Related</li> <li>• Connecting</li> <li>• Work-Based Learning</li> </ul>	<ul style="list-style-type: none"> <li>• 4-Year Universities/Colleges</li> <li>• 2-Year Colleges</li> <li>• Technical Colleges</li> <li>• State Registered Apprenticeships</li> <li>• Special Purpose Schools</li> <li>• On-the-Job Training</li> <li>• Military</li> </ul>	<p>A vital way to get ahead and realize you can pass college courses is by earning postsecondary credits as a high school student. Georgia offers a dual credit program titled Dual Enrollment. You need to talk with your parents, school counselor, or advisor about the proper courses to take each year in high school and dual credit.</p> <p>Students completing the course work in this Plan, will have earned/completed an Industry Credential, Technical Certificate of Credit (TCC), Associates of Applied Science Degree, and/or Bachelor's Degree.</p>	
<p><b>Postsecondary Transition</b></p> <ul style="list-style-type: none"> <li>• Students who will continue their education in a Program of Study at one of the University System of Georgia institutions should prepare to take the ACT or SAT for admissions. Tests for admissions may vary from institution to institution. Contact the selected institution for specific testing information. Additional admissions information can be found at Staying On Course. (<a href="https://www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf">https://www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf</a>)</li> <li>• Students who will continue their education in a Program of Study at one of the Technical College System of Georgia institutions should prepare to complete a placement exam.</li> <li>• Students who will continue their education and training in the US Military should take the ASVAB assessment.</li> <li>• Students should utilize electronic college and career databases to select the most appropriate postsecondary opportunities to match their selected career field, including registered apprenticeships.</li> <li>• Georgia's dual-credit programs have been combined into one program entitled Dual Enrollment, in which high school students may earn their high school course credits while taking college courses.</li> </ul>				
<b>Related Pathway Occupations</b>		<b>Other Related Occupations</b>		
<ul style="list-style-type: none"> <li>• Soil and Plant Scientists</li> <li>• Foresters</li> <li>• Forest and Conservation Workers</li> <li>• Range Managers</li> <li>• Forest and Conservations Technicians</li> <li>• Forestry and Conservation Science</li> <li>• Agricultural Teachers</li> </ul>		<ul style="list-style-type: none"> <li>• Animal Scientists</li> <li>• First-Line Supervisor of Agricultural</li> <li>• Crop and Horticulture Workers</li> <li>• Nursery Workers</li> </ul> <p style="text-align: right;">ONET Online</p>		

<b>Student Organization:</b> FFA	<b>Programs of Study Developed in Partnership:</b> the Georgia Department of Education, the Technical College System of Georgia, and the University System of Georgia. #CTAEDelivers
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