

PROGRAM OF STUDY: Forest Natural Resources Mgmt.



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	FTA1 Forest Technician Assistant Certificate	Entrance/Exit Point	Entrance/Exit
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	Forest Science	Natural Resources Management	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.					
					Entrance/Exit	Commercial Application Licensure Prescribed Burn Certification	Find the campus for the Diploma, Degree options Find the campus for the TCC options	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/orders/?p=118:1:0

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 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>.

Sample In Demand Careers in Georgia

Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings in Georgia	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, High Wage
Forest and Conservation Workers	Bachelor's Degree	\$24,500	10	In Demand, High Skill
Range Managers	Bachelor's Degree	\$66,185	30	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 • 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"> <li style="margin-right: 10px;">• Soil and Plant Scientists <li style="margin-right: 10px;">• Foresters <li style="margin-right: 10px;">• Forest and Conservation Workers <li style="margin-right: 10px;">• Range Managers <li style="margin-right: 10px;">• Forest and Conservations Technicians <li style="margin-right: 10px;">• Forestry and Conservation Science <li style="margin-right: 10px;">• Teachers <li style="margin-right: 10px;">• Agricultural Teachers 		<ul style="list-style-type: none"> <li style="margin-right: 10px;">• Animal Scientists <li style="margin-right: 10px;">• First-Line Supervisor of Agricultural <li style="margin-right: 10px;">• Crop and Horticulture Workers <li style="margin-right: 10px;">• Nursery Workers <p style="text-align: right;">*ONET Online</p>	

Forest/Natural Resources Management Pathway Description

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.

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.

Those working in this field regularly work with landowners, loggers, forestry technicians and aides, farmers, ranchers, government officials, special interest groups and the public. Anyone interested in this field should enjoy working outdoors.

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 pulpwood 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.

