

# ENVIRONMENTAL AGRICULTURE SYSTEMS PATHWAY



Environmental engineers research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards using various engineering disciplines. Work may include agricultural waste treatment, site remediation, or pollution control technology. They use the principles of engineering, soil science, biology, and chemistry to develop solutions to environmental problems.

### PATHWAY COURSES

- Basic Agriculture Science
- Environmental Science and Stewardship
- Sustainable Agriculture

### RECOMMENDED COURSES

- Biology
- Chemistry
- Economics
- Environmental Science
- Foundations of Engineering and Technology
- Intro to Business and Technology
- Social Studies
- Work-Based Learning

### POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

#### TECHNICAL COLLEGES

- Agriculture Chemicals
- Crop Science
- Horticulture
- Landscape Specialist
- Marketing in Agriculture
- Plant Production
- Soil Management
- Sustainable Urban Agriculture

#### COLLEGES/UNIVERSITIES

- Agroecology
- Agronomy
- Environmental Studies
- Horticulture
- Natural Resources Management
- Plant Science
- Soil and Land Resources
- Sustainable Agriculture and Farming Systems
- Sustainable Food and Bioenergy Systems
- Water, Wetlands, and Marine Resources Management

### CAREER AND TECHNICAL STUDENT ORGANIZATIONS



### TOP CAREER CHOICES

#### Agricultural Science Professor

\$69,300 annual salary  
Bachelor's Degree  
450 annual average openings in Georgia

#### Agricultural Science Professor

\$96,000 average annual salary  
Advanced Degree

#### Conservation Scientist

\$65,130 average annual salary  
BS Degree

#### Environmental Engineer

\$86,000 average annual salary  
BS Degree

#### Farmers/Ranchers/Agricultural Managers

\$67,000 average annual salary  
Associate Degree or Higher

#### Park Naturalist

\$50,000-\$65,000 annual salary  
Associate Degree

### ADDITIONAL CAREER CHOICES

- Agricultural Chemist
- Agriculture Policymaker
- Agriculture Technician
- Environmental Economist
- Food Scientist
- Greenhouse Technician
- Natural Resource Manager



Forsyth County Schools  
**COLLEGE & Career**  
Career Pathways Showcase  
and Career Expo  
*Discovery*



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

- Alliance Academy for Innovation
- Denmark High School
- East Forsyth High School
- Forsyth Central High School
- Forsyth Virtual Academy
- Lambert High School
- North Forsyth High School
- South Forsyth High School
- West Forsyth High School