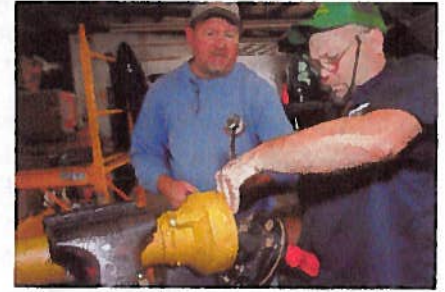


Agriculture, Food & Natural Resources Cluster

Students interested in applying knowledge and skills related to agriculture mechanical systems, may consider completing one of the following pathways.

Agriculture Mechanics & Electrical Systems Pathway
Agriculture Mechanics Metal Fabrication Pathway
Agriculture Energy Systems Pathway
Agriculture Mechanics Systems Pathway



Students interested in applying knowledge and skills related to food science systems, may consider completing one of the following pathways.

Food Products & Processing Systems Pathway
Agriculture Leadership in Product Processing Pathway

Students interested in applying knowledge and skills related to diversified agriculture systems, may consider completing one of the following pathways.

Horticulture and Forest Science Pathway
Plant and Mechanical Systems Pathway
Animal and Horticulture Systems Pathway
Forestry and Animal Science Systems Pathway
Agriscience Systems Pathway
Agribusiness Systems Pathway



Industry Validated Credentials

Students have an opportunity to gain valuable skills and knowledge through participation and completion of all required courses in a career pathway. Obtaining such skills will potentially provide students with increased opportunities to earn industry-validated credentials while still in high school and leading to increased earning potential throughout the student's career span.

Postsecondary Transition:

- Students who 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. Admission's testing varies from institution to institution. Students should contact the selected institution for specific testing information. Additional admissions information can be found at Staying On Course. (www.usg.edu/student_affairs/documents/Staying_on_Course.pdf)
- Students who will continue their education in a Program of Study at one of Georgia's Technical Colleges should prepare to take the COMPASS test for admissions.
- Students who will continue their education and training in the US Military should take the ASVAB assessment.
- Students should utilize GAcollge411 to select the most appropriate postsecondary opportunities including state registered apprenticeships to match their selected career field.
- Students can earn both high school and postsecondary credit while in high school. Georgia has multiple dual enrollment programs, including ACCEL, AP, IB, Dual Hope, Move On When Ready and Articulation.

Agriculture, Food & Natural Resources Cluster

Educational programs in this cluster prepare students for the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Students interested in applying knowledge and skills related to animal systems, may consider completing one of the following pathways.

- Animal Production & Processing Pathway
- Animal/Mechanical Systems Pathway
- Agriculture Leadership in Animal Production Pathway
- Companion Animal Systems Pathway
- Veterinary Science Pathway
- Equine Science Pathway
- Food Animal Systems Pathway



Students interested in applying knowledge and skills related to forestry/natural resources systems, may consider completing one of the following pathways.

- Forest / Renewable Energy Pathway
- Agriculture Leadership in Aquaculture Pathway
- Forest Mechanical Systems Pathway
- Agriculture Leadership in Forest Science Pathway
- Forest / Natural Resources Management Pathway
- Forestry Management Systems Pathway
- Forestry / Wildlife Systems Pathway
- Environmental Agriculture Systems Pathway



Students interested in applying knowledge and skills related to plant systems, may consider completing one of the following pathways.

- Horticulture / Mechanical Systems Pathway
- Agriculture Leadership in Plant Science Pathway
- Agriculture Leadership in Horticulture Pathway
- Landscape Management Systems Pathway
- Plant and Floral Design Systems Pathway
- Plant and Landscape Systems Pathway
- Plant and Floraculture Systems Pathway



continued on back

Occupation Specialties	Entry Level of Education Needed	2012 Average Annual Wage	Annual Openings 2012-2020
Buyers & Purchasing Agents, Farm Products	High School	\$63,400	20
Environmental Engineers	Bachelor's Degree	\$71,900	60
Environmental Scientists & Environmental Specialists	Bachelor's Degree	\$51,500	60
Veterinarians	Advanced Degree	\$79,300	10
Food Science Technicians	Associate's Degree	\$29,700	20
Animal Trainers	High School	\$21,900	30
Agricultural Inspectors	Bachelor's Degree	\$40,900	20
Soil & Plant Scientists	Bachelor's Degree	\$68,100	10
Agricultural Education Teachers	Bachelor's Degree	\$42,000	16