

Career, Technical, & Agricultural Education

Career Pathways

A Career Pathway is a series of structured and connected courses designed to develop and enhance a student's core academic, technical, and employability skills while in high school. In Georgia, a student is a pathway completer when he or she completes three courses within a designated area of study. Students are encouraged to continue with their learning by participating in a work-based learning experience upon completion of the classroom courses.

Agriculture, Food, and Natural Resources Career Cluster

- ◇ **Agriculture Leadership in Animal Production Pathway (N, O)**
 - 02.47100—Basic Agricultural Science
 - 02.42100—Animal Science Technology/Biotech.
 - 01.41200—Agribusiness Management & Leadership
- ◇ **Agriculture Leadership in Forestry Pathway (N)**
 - 02.47100—Basic Agricultural Science
 - 01.41200—Agribusiness Management & Leadership
 - 03.45100—Forest Science
- ◇ **Agriscience Systems (O)**
 - 02.47100—Basic Agricultural Science
 - 02.42100—Animal Science Technology/Biotech.
 - 02.44100—Plant Science and Biotechnology
- ◇ **Animal/Mechanical Systems Pathway (O)**
 - 02.47100—Basic Agricultural Science
 - 01.42100—Agricultural Mechanics Technology I
 - 01.43200—Agricultural Animal Production & Management
- ◇ **Agricultural Mechanics and Metal Fabrication (O)**
 - 02.47100—Basic Agricultural Science
 - 01.42100—Agricultural Mechanics Technology I
 - 01.42400—Agricultural Metals Fabrication
- ◇ **Plant Mechanical Systems Pathway (O)**
 - 02.47100—Basic Agricultural Science
 - 01.42100—Agricultural Mechanics Technology I
 - 02.44100—Plant Science and Biotechnology
- ◇ **Food Animal Systems Pathway (O)**
 - 02.47100—Basic Agricultural Science
 - 02.42100—Animal Science Technology/Biotech.
 - 01.43200—Agricultural Animal Production & Management
- ◇ **Agriculture Leadership in Horticulture Pathway (N)**
 - 02.47100—Basic Agricultural Science
 - 01.46100—General Horticulture & Plant Science
 - 01.41200—Agribusiness Management & Leadership
- ◇ **Agricultural Leadership in Plant Science (O)**
 - 02.47100—Basic Agricultural Science
 - 02.44100—Plant Science and Biotechnology
 - 01.41200—Agribusiness Management & Leadership
- ◇ **Plant and Landscape Systems Pathway (N)**
 - 02.47100—Basic Agricultural Science
 - 01.46100—General Horticulture & Plant Science
 - 01.47000—Nursery & Landscape
- ◇ **Agricultural Mechanics Systems Pathway (O)**
 - 02.47100—Basic Agricultural Science
 - 01.42100—Agricultural Mechanics Technology I
 - 01.42200—Agricultural Mechanics Technology II
- ◇ **Forestry & Animal Science Pathway (N)**
 - 02.47100—Basic Agricultural Science
 - 03.45100—Forest Science
 - 02.42100—Animal Science Technology/Biotech
- ◇ **Forestry/Wildlife Systems Pathway (N)**
 - 02.47100—Basic Agricultural Science
 - 03.45100—Forest Science
 - 03.45300—Wildlife Management
- ◇ **Veterinary Science (N)**
 - 02.47100—Basic Agricultural Science
 - 02.42100—Animal Science Technology/Biotech
 - 02.42400—Veterinary Science

Arts, A/V Technology, and Communications Career Cluster

◇ Graphic Design Pathway (N)

- 48.56100—Introduction to Graphics & Design
- 48.46200—Graphic Design & Production
- 48.52800—Advanced Graphic Design

Education and Training Career Cluster

◇ Early Childhood Care & Education Pathway II (N,O)

- 20.52810—Early Childhood Education I
- 20.42400—Early Childhood Education II
- 20.42600—Early Childhood Education Practicum

Health Science Career Cluster

◇ Therapeutic Services/Exercise Physiology

- 25.52100—Introduction to Healthcare Science
- 25.44000—Essentials of Healthcare
- 25.45400—Fundamentals of Exercise Physiology

◇ Therapeutic Services/Allied Health & Medicine Pathway (N,O)

- 25.52100—Introduction to Healthcare Science
- 25.44000—Essentials of Healthcare
- 25.43700—Allied Health & Medicine

Marketing Career Cluster

◇ Marketing & Management Pathway (O)

- 08.47400—Marketing Principles
- 08.44100—Marketing & Entrepreneurship
- 08.44200—Marketing Management

Finance Career Cluster

◇ Advanced Accounting Pathway (O)

- 07.44130—Introduction to Business & Technology
- 07.41100—Principles of Accounting I
- 07.41200—Principles of Accounting II

◇ Business Accounting Pathway (O)

- 07.44130—Introduction to Business & Technology
- 07.42600—Financial Literacy
- 07.41100—Principles of Accounting I

◇ Financial Services Pathway (N)

- 07.44130—Introduction to Business & Technology
- 07.42600—Financial Literacy
- 07.43100—Banking, Investing, and Insurance

Information Technology Career Cluster

◇ Computer Science (N,O)

- 11.44600 —Introduction to Software Technology
- 11.47100 Computer Science Principles OR
- 11.01900 —AP Computer Science Principles
- 11.01600 – AP Computer Science

◇ Cloud Computing (N)

- 11.44600 – Introduction to Software Technology
- 11.47100 Computer Science Principles OR
- 11.01900 – AP Computer Science Principles
- 11.44700—Cloud Computing

Science, Technology, Engineering and Mathematics Career Cluster

◇ Engineering & Technology Pathway (N,O)

- 21.42500—Foundations of Engineering
- 21.47100—Engineering Concepts
- 21.47200—Engineering Applications

Career, Technical, & Agricultural Education

OCS Career Related Education

(Work-Based Learning Opportunities)

As a part of the overall educational program, Career, Technical, and Agricultural Education (CTAE) is designed to provide students with competencies to make them aware of and prepared to pursue further education and/or successfully enter a related career field. CTAE pathways provide Career-Related Educational activities such as career awareness, career exploration, instructional-related activities, connecting activities and Work-Based Learning placements.

Career Awareness

Guest Speakers
Field Trips/Industry Tours
Career Fairs
Presentations/Videos
Transition Visitations

Career Exploration

Career Guidance
Job Shadowing
Student Portfolios
Research Projects/Reports
Internet Based Career
Planning

Instructional Related Activities

Entrepreneurship Projects
School Based Enterprises
Teaching Employability Skills
Clinical Experiences

Connecting Activities

Advisory Committee Participation
Articulation/Dual Enrollment
Business Partnerships

Work-Based Learning

Employability Skill Development
Internships, Apprenticeships

Work-Based Learning Program *(grades 11-12)*

Work-Based Learning placements represent the pinnacle of the Career, Technical, and Agricultural Education experience. WBL is designed for students with a specific career focus related to courses (2) in a career pathway. Students work at an approved worksite related to career courses for part of the school day; own transportation must be provided. Credit is issued for 1.0 and 2.0 Carnegie units per semester based on the student's assessed performance. Students must obtain minimum work hours based on the

number of class units being earned:

1 block: 7.5 hours/week for 1.0 unit

2 blocks: 15 hours/week for 2.0 units

Additionally, students must:

- Receive positive evaluations on job performance and work ethics
- Progress successfully through training plans
- Complete career instructional assignments
- Comply with program rules

Students must complete an application process and meet requirements:

- 2+ courses in specific course pathway
- Identified career focus
- Acceptable attendance, discipline
- 78%+ numerical grade average
- Teacher recommendations
- Application and interview with Coordinator for approval