

Career Technical and Agricultural Education (CTAE) Pathways 2023-2024



Agricultural, Food, & Natural Resources: The Agriculture, Food, & Natural Resources Career Cluster includes the production, processing, marketing, financing, distribution, and development of agricultural commodities and resources. These commodities include food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Forestry and Animal Science Systems

Basic Agricultural Science
Forest Science*
Animal Science and Biotechnology*

Horticulture and Animal Systems

Basic Agricultural Science
General Horticulture and Plant Science*
Animal Science and Biotechnology*

Horticulture and Forest Science

Basic Agricultural Science
Forest Science*
General Horticulture and Plant Science*

Companion Animal Systems

Basic Agricultural Science
Animal Science and Biotechnology*
Small Animal Care

Architecture and Construction: The Architecture and Construction Career Cluster includes careers in designing, planning, managing, and building structures.

Carpentry

Industry Fundamentals and Occupational Safety
Introduction to Construction
Carpentry I

Electrical Pathway

Industry Fundamentals and Occupational Safety
Introduction to Construction
Electrical I

Fine Furniture/Cabinetmaking

Fine Furniture/Cabinetmaking I
Fine Furniture/Cabinetmaking II
Fine Furniture/Cabinetmaking III

Welding

Industry Fundamentals and Occupational Safety
Introduction to Metals
Welding I

Arts, A/V Technology, & Communications: The Arts, A/V Technology, & Communications Career Cluster includes designing, producing, exhibiting, performing, writing, and publishing multimedia content. Technical skill areas include visual and performing arts, graphic design, journalism, and entertainment services.

Audio-Video Technology and Film

Audio-Video Technology and Film I
Audio-Video Technology and Film II
Audio-Video Technology and Film III

Education and Training: The Education and Training Career Cluster includes planning, managing, and providing education and training services as well as related learning support services.

Teaching as a Profession

Examining the Teaching Profession
Contemporary Issues in Education
Teaching as a Profession

Health Science: The Health Science Career Cluster includes planning, managing, and providing services in therapeutics, diagnostics, health informatics, support areas, and biotechnology research and development.

General Medicine

Introduction to Healthcare Science
Essentials of Healthcare**
General Medicine

Nursing

Introduction to Healthcare Science
Essentials of Healthcare**
Nursing

Pharmacy

Introduction to Healthcare Science
Essentials of Healthcare**
Pharmacy Operations and Fundamentals

Sports Medicine

Introduction to Healthcare Science
Essentials of Healthcare**
Sports Medicine*

Human Services: The Human Services Career Cluster prepares individuals for employment activities related to family and human needs such as nutrition and food science, counseling and mental health services, family and community services, personal care, and consumer services.

Food and Nutrition

Food, Nutrition, and Wellness
Food for Life*
Food Science*

Information Technology: The rapidly changing digital world of the Information Technology Career Cluster engages students in hands-on learning to prepare for careers that create, use, modify, and engage technology skills. Graphics, multimedia animation, web design, game and application development, networking, and computer repair are all possibilities.

Programming

Introduction to Software Technology
Computer Science Principles***
Programming, Games, Apps, and Society***

Science, Technology, Engineering, Mathematics: The Science, Technology, Engineering, Mathematics Career Cluster means planning, managing, and providing scientific research and professional and technical services.

Engineering and Technology

Foundations of Engineering and Technology
Engineering Concepts
Engineering Applications

Transportation, Distribution, and Logistics: The Transportation, Distribution & Logistics Career Cluster encompasses planning, managing, and moving people, materials, and goods by road, pipeline, air, rail, and water, and also includes other related professional and technical support services.

General Automotive Technology

Automotive Technologies I
Automotive Technologies II
Automotive Technologies III

Work-Based Learning: Work-Based Learning prepares students for the world of work through a combination of academic and career-related courses and workplace learning. Fannin County High School juniors and seniors can earn one or two credits per semester and pursue work experience through the Work-Based Learning Program.

CTAE Pathway Key:

*This CTAE Course counts toward satisfying the fourth science requirement and is approved by the Board of Regents as a fourth science.

**This CTAE Course counts as two credits. Students who earn one unit of credit for the Essentials of Healthcare course will also receive one unit of credit for Human Anatomy and Physiology. This course is also a Course of Rigor.

***This course meets fourth science requirement, meets fourth math requirement, OR two courses from this pathway will satisfy two years of sequenced foreign language course. This course is also a Course of Rigor.



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