Family & Consumer Science Pathways	eBusiness & Computer Science Pathways	Agriculture Pathways

Nutrition & Food Science Pathway

Culinary practices and principals with an emphasis on making healthy food and lifestyle choices. Participate in cooking labs and projects during class while engaging in leadership development through FCCLA co-curricular activities.

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

Offered prior to 2024-2025: Introduction to Culinary Arts, Culinary 1, and Culinary 2

Computer Science Pathway

In the computer science pathway, students will learn a variety of computer skills such as graphic design, animation, hardware, programming, game design, and robotics. You can earn college credit. *This pathway can count as a 4th science credit or foreign language.

Courses:
- Introduction to Software Technology (formerly Introduction to Digital Tech)
- Computer Science Principles*
- AP Computer Science*

Agriculture Mechanics Pathway

In the Agriculture pathways, students will have the opportunity to learn the fundamentals of agriculture. They will be able to choose to specialize in either mechanics, animals, or plants after the first course.

Courses:
- Basic Agriculture Science
- Agricultural Mechanics I
- Agricultural Mechanics II

Early Childhood Education Pathway

Early Childhood Education (ECE) are project-based courses where you study children and how they develop including parenting, discipline, and child directed play. Leadership development activities with FCCLA will provide students with a competitive edge for entry into the marketplace and/or a post-secondary institution.

Courses:
- Early Childhood Education I
- Early Childhood Education II
- Early Childhood Education III

Entrepreneurship Pathway

In the entrepreneurship pathway, students will learn essential business skills and is perfect for students who are interested in owning their own business one day. Students will learn the fundamentals of accounting, business law, business management, human resources, and learn how to start a business.

Courses:
- Intro to Business and Technology (No longer offered)
- Legal Environment of Business
- Entrepreneurship

Animal Systems Pathway

Courses:
- Basic Agriculture Science
- Animal Science and Biotechnology*
- Agricultural Animal Production and Management

Plant Systems Pathway

Courses:
- Basic Agriculture Science
- General Horticulture & Plant Science*
- Nursery and Landscape

Foreign Language & Fine Arts Pathways

Graphic Design

ROTC Pathway

Foreign Language	Fine Arts
- Spanish - French - Latin	- Art - Theatre - Chorus - Band
*Students must have three years of the same foreign language to be a pathway completer.	*Students must have three years in the same fine art concentration to be a pathway completer.

In Graphic Design, students will plan, analyze, and create visual solutions to communications problems. They find the most effective way to get messages across in print, electronic, and film media using a variety of methods such as color, type, illustration, photography, animation, and various print and layout techniques.

Courses:
- Introduction to Graphics and Design
- Graphic Design and Production
- Advanced Graphic Design

In Air Force JROTC, students will learn and develop leadership and life skills to prepare them for their future endeavors. Three years of JROTC will fulfill the personal fitness/health graduation requirement.

Courses:
- Aviation History
- Flight Science *
- Exploration of Space
- Aerospace Science: Corps Management

*Can count as a fourth year science credit

Houston College & Career Academy

Some pathways are dual enrolled and have additional requirements.

Aircraft Structural Technology Pathway	**Audio-Video Technology & Film**	**Automotive Transportation Pathway**
Barbering Pathway / Cosmetology Pathway	**Cybersecurity**	**Computer Software Engineering**
Criminal Justice	**Culinary Arts**	**Education/Teaching as a Profession**
Emergency Medical Responder	**Engineering**	**Fine Furniture and Cabinet Making**
HVAC (Heating, Ventilation, and Air Conditioning)	**Healthcare Science**	**Industrial Systems**
Information Technology	**Nursing Aide Essentials**	**Welding**