

CTAE PATHWAYS AT LHS

Agriculture

Agricultural Mechanics & Electrical Systems

- Basic Agriculture Science
- Ag Mechanics & Tech
- Ag Electricity & Electricity Controls



Cosmetology

Cosmetology

- Intro to Personal Care Services
- Cosmetology Services II
- Cosmetology Services III



Health Science

Sports Medicine

- Intro to Healthcare
- Essentials of Healthcare (Credit for Human Anatomy & Physiology)
- Sports Medicine



Information Technology

Computer Science

- Intro to Digital Tech or Software Tech
- Computer Science Principles (or AP CSP)
- AP Computer Science A



Game Design

- Intro to Digital Tech or Software Tech
- Computer Science Principles (or AP CSP)
- Game Design: Animation & Simulation

Hospitality & Tourism Marketing

Hospitality, Recreation & Tourism

- Marketing Principles
- Hospitality, Recreation and Tourism Essentials
- Hospitality, Recreation and Tourism Management



Audio/Video

Audio/Video Tech Film

- AV Tech Film I
- AV Tech Film II
- AV Tech Film III



Business & Tech

Business & Technology

- Intro to Business
- Business & Tech
- Business Communication



WBL

Work Based Learning

WBL is designed to give you real world experiences and work experience in your career pathway area while earning CTAE course credits.

- Hospital Rotation
- Teacher Interns
- Paid Jobs/Internships
- Unpaid Jobs/Internships
- Firefighter Internship



Marketing

Marketing Communications & Promotions

- Marketing Principles
- Promotion & Digital Marketing
- Integrated Marketing Communications



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CTAE Pathways at Monroe Area

*Career, Technical, and
Agricultural Education*

HEALTH SCIENCE

Allied Health

- Introduction to Healthcare Science
- Essentials of Healthcare
- Allied Health and Medicine



AFJROTC

Air Force

- Aerospace Leadership I
- Aerospace Leadership II
- Aerospace Leadership III



INFORMATION TECHNOLOGY

Web Development

- Intro to Software Tech (or IDT)
- Computer Science Principles
- Web Development



AGRICULTURE

Agriculture Mechanics and Electrical Systems (Electricity)

- Basic Agriculture Science
- Agriculture Mechanics Technology I
- Agriculture Electricity and Electric Controls



Agriculture Mechanics and Metal Fabrication (Welding)

- Basic Agriculture Science
- Agriculture Mechanics Technology I
- Agricultural Metals Fabrication






AUDIO/VIDEO

Audio/Video Tech Film

- AV Tech Film I
- AV Tech Film II
- AV Tech Film III



WBL

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Application Required

- Paid Jobs/Internships
- Tech Aide Interns
- ECE Teacher Interns
- Unpaid Jobs/Internships
- Firefighter Internship




BUSINESS MANAGEMENT & ADMINISTRATION

Business & Technology

- Intro to Business Technology
- Business Technology
- Business Communications



EDUCATION

Early Childhood Education

- ECE 1
- ECE II
- ECE III
- ECE Practicum




MANUFACTURING

Manufacturing

- Foundations of Manufacturing and Material Science
- Robotics and Automated Systems
- Production Enterprises




GOVERNMENT & PUBLIC ADMINISTRATION

Public Management and Administration

- Introduction to Gov't and Public Administration
- Gov't Public Admin: State & Federal Issues
- Gov't Public Admin: Local & State Issues



NUTRITION

Nutrition and Food Science

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



CTAE PATHWAYS

AGRICULTURE

Horticulture & Animal Science

- Basic Agriculture Science
- General Hort & Plant Science
- Animal Science and Biotechnology

Agriculture Leadership in Animal Production

- Basic Agriculture Science
- Animal Science and Biotechnology
- Agribusiness Management

Agriculture Leadership in Horticulture

- Basic Agriculture Science
- General Hort & Plant Science
- Agribusiness Management

Want to learn about plants, growing your own food and/or beautiful flowers? Interested in landscape design? Take these courses & learn the basics to plan, design & grow your own.



AUDIO/VIDEO

Audio/Video Tech Film

- AV Tech Film I
- AV Tech Film II
- AV Tech Film III

Would you like to contribute to the video announcements? Learn how to film & edit like a pro. Learn what happens in front of and behind the camera. Improve your social media.



CRIMINAL JUSTICE

Law Enforcement Services/ Criminal Investigations

- Intro to Law, Public Safety, Corrections and Security
- Criminal Justice Essentials
- Criminal Investigations

Learn about the criminal justice system, and many career-focused educational opportunities in various criminal justice fields.

CONSTRUCTION

Construction

- Industry Fundamentals and Occupational Safety
- Introduction to Construction

New for the 2024-2025 School Year!



EDUCATION

Early Childhood Education

- ECE 1
- ECE II
- ECE III
- ECE Practicum

***Application Required**
Learn to teach elementary age children in ECE. Help run the Wee Warriors Pre-K program.*



ENGINEERING

Engineering & Technology

- Foundations of Engineering & Tech
- Engineering Concepts
- Engineering Applications

These courses provide students with opportunities to learn about the history, systems, and processes of invention and innovation.



HEALTH SCIENCE

Therapeutic Services / Patient Care

- Intro to Healthcare Science
- Essentials of Healthcare (Credit for Human Anatomy & Physiology)
- Patient Care Fundamentals

If you want to know more about direct patient care, including the nursing field, then Healthcare Science might be for you. You can apply for a Hospital Internship after completing at least 2 courses (all 3 preferred).



INFORMATION TECHNOLOGY

Computer Science

- Intro to Software Technology
- AP Computer Science Principles
- AP Computer Science A

Cloud Computing

- Intro to Software Technology
- Computer Science Principles
- Cloud Computing

Learn computer science principles, including problem-solving, computational thinking, design process, software development, and more



MARKETING

Marketing Communications & Promotions

- Marketing Principles
- Promotion & Digital Marketing
- Integrated Marketing Communications

Explore marketing strategies and advertising's impact on society. Better understand how marketing, product promotion, & advertising can affect you personally, as well as in your future career



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****Application Required****




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