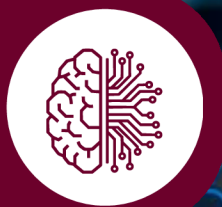


ARTIFICIAL INTELLIGENCE

PATHWAY



PATHWAY OVERVIEW

The Artificial Intelligence pathway helps students build knowledge and hands-on skills in computing, digital systems, problem solving, and technology innovation.

Through Foundations of Artificial Intelligence, Artificial Intelligence Concepts, and Artificial Intelligence Applications, students prepare for postsecondary education, industry credentials, and work-based learning experiences connected to the field.



CAREER CLUSTER

Digital Technology

COURSE SEQUENCE + WORK-BASED LEARNING

1

Foundations of Artificial Intelligence

Introduces AI, programming, data science, problem-solving, ethics, and how AI is used in everyday life and the workplace



2

Artificial Intelligence Concepts

Deepens understanding of AI and machine learning through programming, data analysis, real-world problems, and ethical considerations.



3

Artificial Intelligence Applications

Applies AI and machine learning skills to design, develop, and test functional solutions to real-world problems.



Work-Based Learning (Capstone Experience)

Apply technical skills through internships, client projects, coding challenges, and workplace learning with technology partners.

POSTSECONDARY OPPORTUNITIES



LOCAL / REGIONAL INSTITUTIONS

- Georgia Institute of Technology
- Kennesaw State University
- University of Georgia
- Atlanta Technical College
- Gwinnett Technical College



DUAL ENROLLMENT

Metro-area dual enrollment options may include computer science, cybersecurity, programming, cloud computing, networking, web development, game design, artificial intelligence, or related technology coursework; verify through Georgia Futures.



LEADERSHIP + INDUSTRY CONNECTIONS

CAREER & TECHNICAL STUDENT ORGANIZATIONS



COMPETITION OPPORTUNITIES



- Coding & Programming
- Data Science & AI
- Computer Problem Solving
- Networking Infrastructures
- Cyber Security
- Mobile Application Development

CHAPTER ACTIVITIES



- App or website challenge
- Chapter of the Year
- Technology showcase
- Digital portfolio
- Tech support service project
- Leadership conferences

CO-CURRICULAR / INDUSTRY EXPERIENCES



- Industry panels
- Industry tours
- Field experiences
- Client projects and workplace learning
- Ethical and use case studies

SCHOOLS OFFERING THIS PATHWAY

Innovation Academy

CAREER OPPORTUNITIES

CAREERS

AI Engineer

Machine Learning
Support Specialist

Data Scientist

ATLANTA-AREA EMPLOYERS

