Information Technology

ILLINOIS CAREER PATHWAY | **NATIONAL CAREER CLUSTERS**

INFORMATION TECHNOLOGY

Information Technology

View all course descriptions and prerequisite requirements in the

2 Curriculum Guide
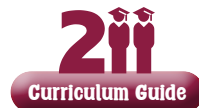
PATHWAY ADDITIONS

Additional Courses to Consider

English writing & communication, Math courses and electives should be reviewed with your teachers/counselors to align best with your interests. Some classes may have prerequisite requirements.

- **Science**
  - Environmental Studies

- **Social Studies**
  - Multicultural Perspective

- **World Languages**
  - **Certifications:** Seal of Biliteracy

Club and Activities

- Art Club
- Broadcast Club
- Business Professionals of America (BPA)
- CAD Club
- Computer Club
- Coding Club
- Digital Media Club
- Electronic Club
- Engineering Club
- ESport
- Society of Women Engineers
- Speech Team
- Robotics Club

PATHWAY CAREER COURSE OPTIONS

Network and Systems

Certifications: A+ Certification, Net+ Certification

Course	Department
IT Fundamentals* Network Administration* and Cybersecurity Electronics Technology 1* & 2 PLTW Digital Electronics*	Applied Technology

Software and App Development

Course	Department
Intro to Computer Programming and Software Design AP Computer Science Principles▲ AP Computer Science A▲ Mobile App Development Independent Computer Science	Mathematics

Web and Digital Communication

Certifications: Microsoft Office Specialist

Course	Department
Intro to Digital Media Art Graphic Design and Digital Illustration* 1 & 2 Video Game Design and Interactive Media Video & Animation 2: Visual FX and Production Broadcast Media Production Studio	Art & Media
Technology Applications* Social Media for Business	Business
Intro to Computer Programming and Software Design	Mathematics

*Dual Credit | ▲Advanced Placement

PATHWAY CAREER OPTIONS

Information Technology

▶ **Certificates/Associates Degree**
Computer User Support Specialists
Web and Digital Interface Designers
Web Developers

▶ **Bachelor's Degree or Higher**
Blockchain Engineers
Computer and Information Scientists
Computer and Information Systems
  Managers
Computer Hardware Engineers
Computer Network Architects
Computer Network Support Specialists
Computer Programmers
Computer Systems Analysts
Computer Systems Engineers/
  Architects
Data Scientists
Data Warehousing Specialists
Database Administrators

Database Architects
Digital Forensics Analysts
Document Management Specialists
Information Security Analysts
Information Security Engineers
Information Technology Project
  Managers
Network and Computer Systems
  Administrators
Penetration Testers
Software Developers
Software QA Analysts and Testers
Video Game Designers
Web Administrators

To learn more about pathway career options, complete the Interest Profiler in *MaiaLearning*. Add your favorites ♥ to your career list!