

# Information Technology



## ILLINOIS CAREER PATHWAY

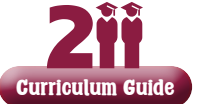


## NATIONAL CAREER CLUSTERS



## Information Technology

View all course descriptions and prerequisite requirements in the



### 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 COURSES

#### Network and Systems

**Certifications:** A+ Certification, Net+ Certification

Course	Department
Computer Repair*	Applied Technology
Network Administration and Cybersecurity	
Electronics Technology 1* & 2	
PLTW Digital Electronics*	

#### Software and App Development

Course	Department
Intro to Computer Programming and Software Design	Mathematics
AP Computer Science Principles <sup>^</sup>	
AP Computer Science A <sup>^</sup>	
Mobile App Development	
Independent Computer Science	

#### Web and Digital Communication

**Certifications:** Microsoft Office Specialist

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

\*Dual Credit | <sup>^</sup>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



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