



IT & Game Design

Software developers are the creative minds behind computer programs. Some develop the applications that allow people to do specific tasks on a computer or another device; others develop the underlying systems that run the devices or that control networks. Programming and software development will prepare you for careers using technical and academic skills to design, develop, test, implement and maintain computer software.



◆ Course Sequence

1. Information Technology
2. Programming
3. Object Oriented Programming
4. Game Design

◆ College Credit Opportunities

- Introduction to Computer and Application Software
- Introduction to Logic/Programming
- Programming
- Technical Report Writing
(Prerequisite - College English Composition)

College Credit Plus general education and other dual credit courses are also available.

◆ Industry Credentials

- COMPTIA IT Fundamentals
- Leadership Excellence - Student
- Unity Game Design

Pathway Promise: Scholars that successfully complete this pathway will be prepared with industry credentials, college credits, and community experiences that support their future aspirations.



**College & Career
Academies**

AKRON PUBLIC SCHOOLS

BUCHTEL

IT & Game Design

Entry-Level Careers

- Computer Repair Technician
- Computer Support Intern
- Database Administration Associate
- Desktop Support Specialist
- Junior Programmer
- Network Installer
- Network Technician Associate
- PC Configuration Technician
- Programmer Associate
- Technical Support Representative
- User Support Specialist

Technical Careers

(Advanced certification, Apprenticeship, or Associates Degree)

- Cloud Architect
- Database Administrator
- Data Center Technician
- Field Service Tech
- Hardware Imaging/Rollout
- Helpdesk Manager
- Info Tech Trainer
- Network Administrator/Technician
- Programming Software Engineer
- Systems Administrator/Technician
- Systems Analyst
- Technical Support Specialist

Professional Careers

(Bachelor's Degree or higher education)

- Chief Information Security Officer
- Computer & Information Systems Manager
- Computer Forensics
- Database Architect
- Help Desk Manager
- IT Project Manager
- Network Architect/Engineer
- Server Support Specialist
- Systems Analyst
- Technical Account Manager
- Technical Support Engineer
- Test Engineer