WEB TECHNOLOGIES & GAME PROGRAMMING

NYS CIP CODE: 15.1202

Program Summary

- Bring your ideas to life by writing your own software.
- · Like playing games? Design and code your own!
- Be a bigger part of the web by creating web pages and sites.
- · Be a part of the virtual world.
- · Become a leader in game design!

College Credit Connections

- · Bryant and Stratton College
- · Canisius College
- · Villa Maria College

Additional Information

 Students in this program are eligible for post-secondary dual enrollment opportunities.

Career Pathways

Professional Careers

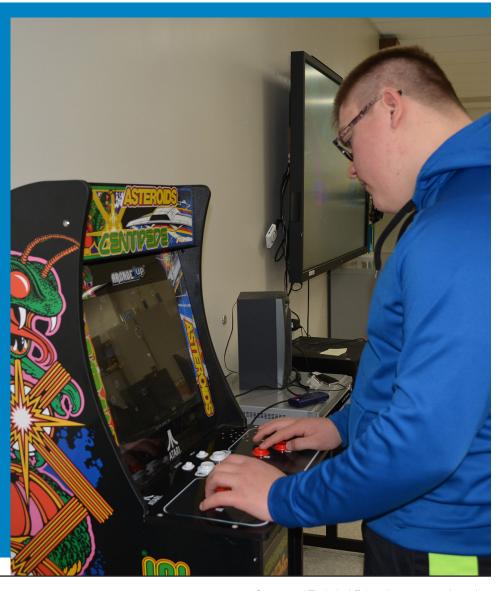
Computer Programmer
Computer Systems Administrator
Computer Systems Analyst
Game Production and Management
Information Security Analyst
IT Manager
Software Developer
Web Developer & Project Engineer

Technical Careers

3D Game Programmer Beta Tester Computer Support Specialist Technical Product Manager Think Tank Analyst Web Application Developer Web Developer

Entry Level Careers

Coder
Data Entry / Database Design
Entrepreneur
Game Interface Design
Systems Analysis
Web Design and Maintenance Entrepreneur



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Web Design

- · Creating Dynamic Web Sites
- · Working with Video, Sounds, and Images
- · Designing Small Web Files (SWF) Games and Movies

Web Development Applications

- · Adobe Software
- · Interactive Game Development
- · Cascading Style Sheets (CSS)
- · Design Your Own Website

Programming

- · Basics of Programming
- · Game Programming Languages
- · 3D Game Programming

Game Development Applications

- · Program Graphical Computer Programs
- · Learn Programming and Have Fun
- · Virtual Learning Activities
- · Design Your Own Game

Databases

- · How Internet Buying and Selling Works
- · Organizing Customer Information
- · Creating Forms and Reports

