

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

