

Discover

PROGRAMMING WITH GAME AND WEB DESIGN

Industry Overview

Careers in Programming programming with game and web design related jobs are in very high demand. From software developers and programmers to game designers, web developers and database administrators, a career in programming with game and web design will place you on the cutting edge of constantly changing technology trends affecting all areas of business and life.

Butler Tech Programming and Software Development Program Overview

Using project-based learning activities, students create programs using C#, VB.net, C++, and Java. In doing so, students learn to create various types of desktop and mobile application programs including video games and virtual reality software apps. Use the newest technology and equipment to program a robot, use a 3D printer and more.

College Credit Opportunities

Programming and with game and web design combines college-like instruction with hands-on activities to prepare students for the technical occupations of the future, providing a pathway to an associate degree or beyond. During the two-year program, students can earn up to nine semester hours of college credit with Cincinnati State. Credits earned with Cincinnati State can be transferred to any public college in the state of Ohio upon graduation.

Cincinnati State CCP Courses

- WEB-111 Web Development 1
- IT-100 Computer Programming Foundations
- IT-101 Programming 1

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Northwest Local Schools

Coursework

- Build and maintain a MySQL database that interacts with a website
- Build and program a robot
- Create desktop and mobile application programs
- Create interactive websites
- Create various types of games
- Explore virtual reality technology
- Use photo and video editing software

Software and Equipment

- 3-D printers
- Adobe Illustrator
- Adobe Photoshop
- Adobe Premier
- Arduino board
- Game engine software
- Lego Mindstorm robots
- Visual Studio SDK
- XXAMP virtual server



Student Organization

Programming with game and web design students are members of Business Professionals of America (BPA). BPA is an influential resume builder while also providing opportunities to become local and state officers, develop leadership skills, and compete at the local, state and national level. In the past, BPA students have traveled to Columbus, Orlando, Anaheim, Dallas and Chicago to compete.

Your PASSION. Your PURPOSE. Your IMPACT.

Skills

Active Listening

Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Critical Thinking

Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Speaking

Talking to others to convey information effectively.

Personality

Artistic

People interested in this work like activities that include creating, designing and making your own rules. They do well at jobs that need:

- Achievement/Effort
- Adaptability/Flexibility
- Attention to Detail
- Dependability
- Initiative
- Innovation

Career Pathways

- Animator
- Editor
- Graphic Designer
- Production Designer
- Video Producer
- Web Designer



"Through being in this class, I have been able to earn nine semester hours of college credit, make video games, make robots, use virtual reality equipment, and create programs and websites. Because of being in BPA competitions, I was able to advance to Nationals and go to Anaheim, California."

Student

Discover Programming with game and web design at Butler Tech and pursue a career that's right for you.

Butler Tech connects high school students to career technical education in more ways than ever. Complete your traditional academic courses in half of each school day and fill the other half of your day with career-focused labs and on-the-job training. Each moment in a Butler Tech career technical program is a step toward building your future.



See your guidance counselor for application information.

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