

Web Applications & Game Development



Diamond Oaks
Scarlet Oaks



MORE INFO
greatoaks.com/webapps

Skills recommended to be successful in this career pathway:

INFORMATION TECHNOLOGY CAREER CLUSTER

ESSENTIAL SKILLS

- Oral communication
- Written communication
- Safety awareness
- Perceptual speed/clerical & auditory perception
- Visual acuity/depth perception
- Eye/hand/arm coordination/manual dexterity

ACADEMIC SKILLS



APPLIED MATHEMATICS

- Use logic-based math
- Understand basic mathematical operations
- Write and use programming equations



WORKPLACE DOCUMENTS

- Read/understand technical manuals
- Learn/understand programming code
- Communicate via detailed emails



GRAPHIC LITERACY

- Use flowcharts/graphic organizers
- Follow visual instructions
- Understand IT hierarchy graphics

DID YOU KNOW STUDENTS IN THIS PROGRAM...

- * Solve complex programs
- * Write and revise code to solve problems
- * Are very detailed-oriented and are able to troubleshoot code issues
- * Have a wide range of career opportunities
- * Work with various operating systems
- * Learn how to write and run programs
- * Discuss and understand legal and ethical issues associated with technology
- * Use multiple business and program software programs
- * Plan, design and launch websites
- * Work in teams to complete projects and solve problems
- * Are highly organized and detail-oriented



COURSES



- Information Technology
- Web Design



- Object-Oriented Programming (C#)
- Computer and Mobile Applications



VIEW Great Oaks
Course Guide
greatoaks.com/course-guide

**Courses subject to change.*

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IS THIS YOU?



Find your work personality type with this free assessment at truity.com:



Holland's Model of Occupational Themes – graphic courtesy of the University of Tennessee.

Conventional | Investigative

Conventional personality types are “organizers;” they like predictability, structure, rules and order. They focus on detail, work in an organized and methodical manner to get things done on time with high standards. Organizers with a secondary personality type of “investigative” like to research and solve problems.

Key strengths that lead to success in this career path

- ✓ Attention to detail
- ✓ Analytical thinking
- ✓ Persistence
- ✓ Dependability
- ✓ Adaptability
- ✓ Initiative

WORK-BASED LEARNING OPPORTUNITIES

- ▶ Job shadowing
- ▶ Job placement
- ▶ Guest speakers
- ▶ Field trips
- ▶ Collaborate with other labs
- ▶ Client website projects/management

COLLEGE & CAREER READY

Career Credentials

- CompTIA IT Fundamentals +
- Microsoft Office Specialist: Word 2019
Outlook 2019
PowerPoint 2019
Excel 2019
- Unity Certified User: Artist
Programmer
- CPR/First Aid



For more information, visit ohiohighered.org

CAREER PATHWAYS

After earning credentials, get more education and experience to

- ▶▶ Website developer
- ▶▶ Database specialist
- ▶▶ Applications developer
- ▶▶ Programmer
- ▶▶ Game designer



VIEW Essential Skills Guides
greatoaks.com/essential-skills

Entry-level pay range in Ohio

\$19 - 52
per hour



Great Oaks alum
Josh Burt