Web Applications & Game Development

Great Oaks
CAREER CAMPUSES
Diamond • Laurel • Live • Scarlet
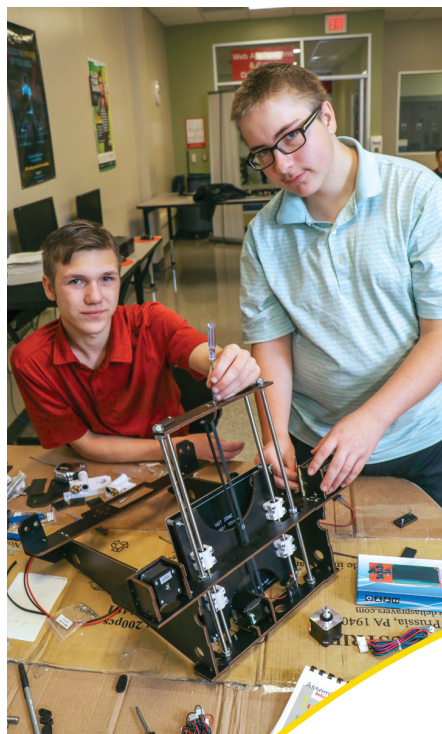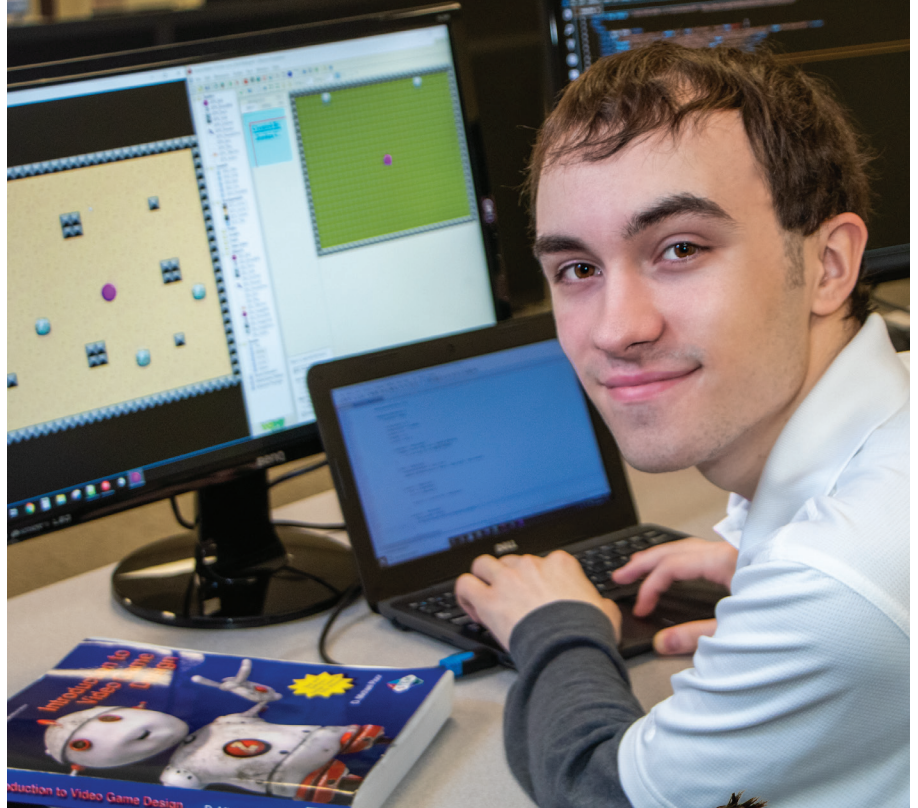
Web Applications & Game Development

Available at: Diamond, Laurel, Live, Scarlet

Web Design*

Students will learn the dynamics of the web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web-based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

Programming*

In this course, students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications.

Visual Programming*

Students will create event-driven programs using object oriented programming techniques for use in web-based and standalone applications. Students will map out, design, and test computer applications, web applications, and mobile applications. Both commercial and open source programs and applications will be used.

Object Oriented Programming*

Students will learn to represent programming concepts as "objects" that have data fields and associated procedures known as methods. Students will implement classes such as support static, instance method, inheritance, polymorphism, exception handling, and object serialization. A variety of commercial and open source programs and applications will be used.

Information Technology

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

*These courses are eligible for college credit under the Career-Technical Assurance Guide (CTAG.)
For more information about what CTAG is: https://www.ohiohighered.org/transfer/ct2/earning-college-credit
To learn what credit is currently available at Ohio colleges and universities: https://transfercredit.ohio.gov/pg_9?9915099094718.

Credentials you can earn

- Microsoft Office Specialist
- CompTIA A+ Certification
- Microsoft Technology Associate –IT Database
- Microsoft Technology Associate –IT Infrastructure
- Microsoft Technology Associate –Developer
- Internet Core Competency Certification (IC3)
- CPR/First Aid

INSTRUCTORS

- Diamond Oaks: Dr. Joan Glover – gloverj@greatoaks.com
- Laurel Oaks: Eric Scully – scullye@greatoaks.com
- Live Oaks: Rick Adams – adamsrm@greatoaks.com
- Scarlet Oaks: Brandon Jett – jettt@greatoaks.com

Courses subject to change

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