# IT Academy

Laurel Oaks

**MORE INFO**
*greatoaks.com/ITAcademy*

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**
- Follow mathematical logic
- Write equations
- Understand binary, hexadecimal and ASCII

**WORKPLACE DOCUMENTS**
- Able to learn programming language
- Read/understand technical information
- Document information clearly

**GRAPHIC LITERACY**
- Read/interpret pictorial guides
- Follow multi-step charts
- Use flowcharts

### DID YOU KNOW STUDENTS IN THIS PROGRAM...

- Research and apply problem-solving techniques
- Work toward earning industry credentials (CompTIA and Microsoft Office)
- Troubleshoot hardware and software issues
- Hands-on experience with computers and peripherals
- Communicate and work with others
- Learn about principles of computer safety and security
- Maintain a safe and organized work environment
- Can earn placement opportunities at local IT businesses
- Build and repair PCs
- Use 3D printing technology
- Design websites, write basic computing code and learn about visual programming

### COURSES

**YEAR 1**
- Computer Software
- Computer Hardware
- Web Design
- Visual Programming

**YEAR 2**
- Networking
- Cybersecurity
- Information Technology Capstone
  – *OR* –
- Programming (Python)
- Object-Oriented Programming (C#)
- Information Technology Capstone

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

*\*Courses subject to change.*

Great Oaks
CAREER CAMPUSES
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## IS THIS YOU?



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

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

### Enterprising | Realistic

Enterprising personality types are "persuaders"; they are adventurous, energetic, confident, assertive and influential. They are good talkers, very persuasive, with natural ability to lead others so are often found socializing! They work best with people and data. Persuaders with a 'realistic' secondary personality type are likely to thrive in practical careers, where they can operate machinery and tackle work.

**Key strengths that lead to success in this career path**

✓ Dependability
✓ Initiative
✓ Adaptability/ flexibility
✓ Leadership
✓ Stress tolerance
✓ Attention to detail

## WORK-BASED LEARNING OPPORTUNITIES

▶ Job shadowing
▶ Job placement
▶ Guest speakers
▶ Field trips
▶ Mentoring
▶ Work at campus IT helpdesk

## CAREER & COLLEGE READY

### Career Credentials

- CompTIA IT Fundamentals+
- CompTIA A +Microsoft Office Specialist:
  Word 2019, Outlook 2019, PowerPoint 2019, Excel 2019
- CPR/First Aid

**Ohio TRANSFER TO DEGREE** guarantee

**CollegeCredit PLUS**

**For more information, visit *ohiohighered.org***

## CAREER PATHWAYS

**After earning credentials, get more education and experience to**

**GO HERE**

▶▶ Helpdesk support technician
▶▶ Networking technician
▶▶ Program developer
▶▶ Wiring and cabling installer
▶▶ Mobile device repair technician
▶▶ Telecommunications
▶▶ Information security specialist
▶▶ Systems engineer

VIEW Essential Skills Guides *greatoaks.com/ essential-skills*

Entry-level pay range in Ohio **$18 - 49 per hour**

**Great Oaks alum Zach Detty**

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