



# INFORMATION TECHNOLOGY

WHITEWATER CAREER CENTER

## PROGRAM OVERVIEW

Information Technology is a hands-on career program. Students apply what they learn by working on projects. If you're committed to learning and adapting to new technological advancements and want to be part of the fast-growing computer industry, this is the program for you.

### YOU WILL LEARN

- Hardware & software components
- Computer troubleshooting & maintenance
- Network administration & design
- Programming & documenting equipment specifications
- Cell phone/mobile device repair

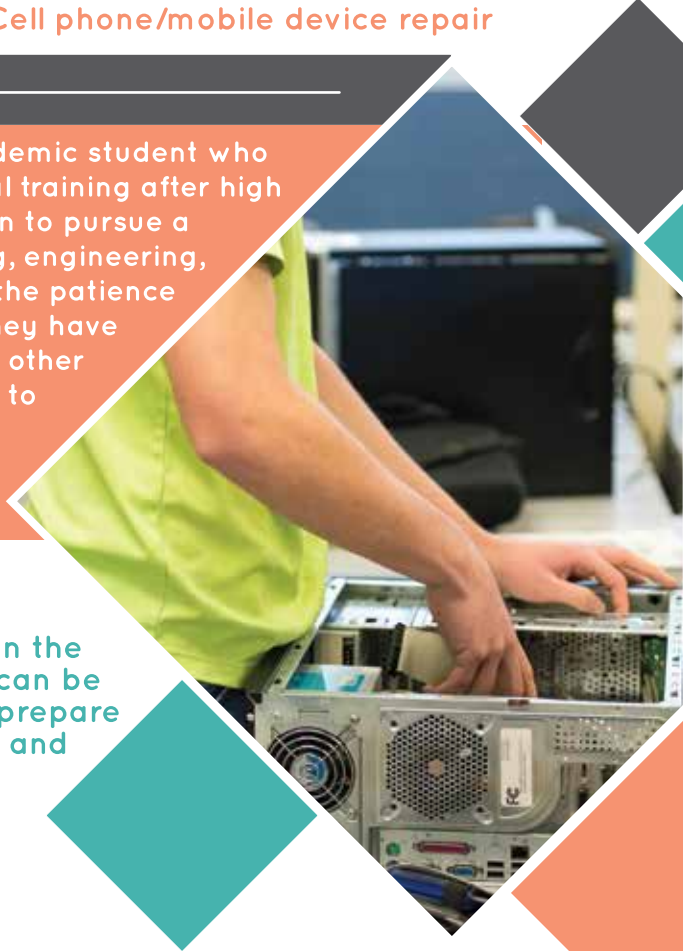
## A TYPICAL STUDENT

The typical Information Technology student is a solid academic student who likes computers and plans to go on to college or additional training after high school. Students who enroll in Information Technology plan to pursue a career in a computer-related field, including programming, engineering, networking, support, and more. Successful students have the patience and attention to detail to solve problems using the skills they have learned. They can work on projects independently or with other students. They understand time management as it relates to customer service and can stay on task without constant supervision. Students entering this program are expected to have computer knowledge.

## GET YOURSELF READY

To be prepared for success, do well in all academic classes and develop a good work ethic. Employment in the computer field and admission into college programs can be competitive. The following pathway courses will help prepare you for the Information Technology program, college, and a career in the computer technology field:

- Preparing for College & Careers
- Digital Applications & Responsibility
- Introduction to Computer Science
- Computer Science I



# WHITEWATER CAREER CENTER

*Where opportunities flow*

Centerville | Connersville | Franklin County  
Lincoln | Rushville | Union County

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[www.WhitewaterCareerCenter.org](http://www.WhitewaterCareerCenter.org)



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## CERTIFICATIONS & DUAL CREDITS

### INDUSTRY CERTIFICATIONS

- CompTIA A+
- Test Out PC Pro
- Test Out Network Pro
- Microsoft Technology Associate (MTA)

Industry certifications and dual credits are earned in both years.

### IVY TECH DUAL COLLEGE CREDITS

INFM 109	Informatics Fundamentals	3 credits
ITSP 135	Hardware/Software Support	4 credits
NETI 105	Networking Fundamentals	3 credits

## YEAR ONE

Information Technology I allows students to explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. Throughout year one and two, students gain experience performing client repairs on personal computers, iPads, cell phones and other devices.

## YEAR TWO

Information Technology II introduces students to concepts of local and wide area networks, home networking, networking standards using the IEEE/OSI Model, network protocols, transmission media, and network architecture/topologies. Security and data integrity will be introduced and emphasized throughout the year. Students will learn critical skills needed to successfully move into a role as an IT professional supporting networked computers. Concepts covered will include TCP/IP client administration, planning a network topology, configuring the TCP/IP protocol, managing network clients, configuring routers and hubs, and creating wireless LANs.

## WHEN YOU FINISH

Upon completing the program, students continue their education at the postsecondary level in both 2 and 4-year degree programs, join the military, or enter employment in local computer technology and support businesses.

## POTENTIAL CAREERS

	NATIONAL MEAN WAGE
• Computer User Support Specialist	\$54,150
• Computer Programmer	\$87,530
• Database Administrator	\$89,050
• Information Security Analyst	\$99,690
• Software Developer	\$106,710
• Web Developer	\$74,110
• Computer Network Support Specialist	\$67,510
• Electrical Engineer	\$99,580

All career and salary information is cited from the U.S. Department of Labor Bureau of Labor Statistics, May 2017 National Occupation Employment & Wage Estimates.



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