

# INFORMATION TECHNOLOGY



Hands-on  
Higher Ed



# IT INNOVATORS WANTED

Dive into the ever-evolving world of IT and master the tools and technologies that power modern industries. From coding to cybersecurity, database management to network administration, our courses provide valuable skills to help you navigate today's digital landscape. Learn to seamlessly blend creativity and problem-solving as you develop software, ensure data integrity, safeguard against cyber threats and more. Your WCTC degree will open doors to dynamic opportunities in a digitally connected world.

AI DATA SPECIALIST | PATHWAY

## AI Data Specialist

60-credit AAS | [wctc.edu/ai-spec](http://wctc.edu/ai-spec)

### POTENTIAL CAREERS:

*AI Data Specialist, AI Data Technician, Data Analyst*

Develop the data and programming skills necessary to acquire, analyze and prepare data for use in machine learning algorithms. Create models for predictive analytics, image recognition/computer vision and natural language processing, evaluate results and implement the models in a production environment. Navigate ethical concerns as they relate to AI.

[Click here for program courses](#)

AI Technician I 17-credit Cert

Foundations of AI I 22-credit Cert

## INFORMATION TECHNOLOGY CERTIFICATES:

- AI Technician I 23-credit
- Business Systems Analyst I 10-credit
- CAE-CD Cybersecurity I 32-credit
- Cisco CCNA I 9-credit
- Data Warehouse Developer I 20-credit
- Database Developer I 12-credit
- Database Server Administrator I 8-credit
- Enterprise Support Technician I 12-credit
- Foundations of AI I 17-credit
- Foundations of Data Analytics I 12-credit
- IT Network Support Specialist I 12-credit
- IT Security Administrator I 17-credit
- IT Security Manager I 22-credit
- IT Support Technician I 10-credit
- IT Systems Specialist I 23-credit
- Java Programming I 16-credit
- Python Programming I 4-credit
- Report Analyst I 10-credit
- Storage and Virtualization Administrator I 15-credit

Connect with WCTC



## IT - Computer Support Specialist

60-credit AAS | [wctc.edu/computer-support](http://wctc.edu/computer-support)

### POTENTIAL CAREERS:

*Computer Support Technician, IT Service Desk Analyst, Support Technician*

Computer support specialists install equipment, assist computer users with technology or software issues, troubleshoot when technical or application problems arise, and serve as a resource for end users. Gain skills in problem-solving, team building, service management and interpersonal communication. Become proficient at installing and updating computer software, and working with hardware and networks.

*Can be combined with the IT - Network Specialist program to complete two associate degrees in three years.*

[Click here for program courses](#)

## Desktop Support Technician

26-credit TD | [wctc.edu/desktop-support](http://wctc.edu/desktop-support)

### POTENTIAL CAREERS:

*Desktop Support Technician, Desktop Support Specialist, Help Desk Technician*

Desktop support technicians are among the first ones called when a technology problem arises with an employee's computer or a company's network. They provide remote or on-site support, troubleshooting and problem-solving. Develop skills in hardware/software installation and configuration, troubleshooting and problem resolution, customer support and networking fundamentals.

[Click here for program courses](#)

[IT Support Technician | 10-credit Cert](#)

## IT - Cybersecurity Specialist

63-credit AAS | [wctc.edu/cyber-spec](http://wctc.edu/cyber-spec)

### POTENTIAL CAREERS:

*Security Analyst, Security Engineer, Security Specialist*

Cybersecurity specialists implement, maintain and audit the security of an organization's computer networks and systems. Learn to protect data confidentiality, integrity and availability by implementing current real-world technology, processes and procedures. Emphasis is placed on vigilant security awareness, identifying security threats and implementing appropriate incident responses.

*Can be combined with the IT - Network Specialist program to complete two associate degrees in three years.*

[Click here for program courses](#)

[IT Security Administrator | 17-credit Cert](#)

[IT Security Manager | 22-credit Cert](#)

[CAE2Y Cybersecurity | 32-credit Cert](#)



**Apply Online Now**

[wctc.edu/apply-online](http://wctc.edu/apply-online)



# INFORMATION TECHNOLOGY



## IT - DATA AND ANALYTICS SPECIALIST | PATHWAY

### IT - Data and Analytics Specialist

62-credit AAS | [wctc.edu/data-spec](http://wctc.edu/data-spec)

#### POTENTIAL CAREERS:

*Database Developer. Database Administrator, Data Analyst*

Prepare for a variety of careers in the rapidly-growing field of data. Gain skills in data modeling, database development, report development, and data warehouse design and development. Explore the basics of programming, data visualization, statistical data analysis and data analytics.

*Can be combined with the IT - Web and Software Developer program to complete two associate degrees in three years.*

[Click here for program courses](#)

Business Systems Analyst I 10-credit Cert

Database Server Administrator I 8-credit Cert

Database Developer I 14-credit Cert

Data Warehouse Developer I 20-credit Cert

Foundations of Data Analytics I 12-credit

Report Analyst I 10-credit Cert





## IT - Network Specialist

62-credit AAS | [wctc.edu/network-spec](http://wctc.edu/network-spec)

### POTENTIAL CAREERS:

*Network Administrator, Network Engineer*

Network specialists create and maintain computer systems essential for day-to-day business operations, ensuring network security and connectivity. Install and troubleshoot network and client operating systems, configure routers and switches, and manage remote clients and devices. Explore cloud security, cost and core services, and understand and implement virtualization in an enterprise.

*"Can be combined with the IT - Cybersecurity Specialist program or IT - Computer Support Specialist to complete two associate degrees in three years."*

[Click here for program courses](#)

## IT - Cloud Technical Solution Specialist

27-credit TD | [wctc.edu/cloud-tech](http://wctc.edu/cloud-tech)

### POTENTIAL CAREERS:

*Cloud Analyst, Cloud Systems Engineer, Cloud Administrator*

Learn to research, implement, manage, maintain, monitor and troubleshoot a secure cloud infrastructure essential for day-to-day business operations. Leverage cloud services to meet business objectives, and explore cloud security, cost, core services and business continuity. Implement the visibility of data for governance and auditing.

[Click here for program courses](#)

Pathway continues 

**"The content immediately challenged me in a way that forced me out of my shell and into a growth mindset."**

Ryan Fields, IT - Database Specialist '21

## Why WCTC?

MAXIMIZE YOUR DEGREE POTENTIAL! EARN TWO DEGREES IN JUST 3 YEARS.

## Network Enterprise Administrator

28-credit TD | [wctc.edu/network-enterprise-admin](http://wctc.edu/network-enterprise-admin)

### POTENTIAL CAREERS:

*Applications Support Analyst, Assistant Network Administrator, Network Analyst*

Computer networks are a critical part of almost every organization and affect our daily lives. Network enterprise administrators are responsible for the day-to-day operations and security of these networks. Gain valuable hands-on experience in computer hardware, Cisco networking, Microsoft and Linux operating systems, virtualization/storage technologies and security system hardening techniques.

[Click here for program courses](#)

Enterprise Support Technician | 12-credit Cert

IT Network Support Specialist | 12-credit Cert

Storage and Virtualization Administrator | 15-credit Cert



### IT - Web and Software Developer

62-credit AAS | [wctc.edu/web-software](http://wctc.edu/web-software)

#### POTENTIAL CAREERS:

*Back-end Developer, Software Developer*

Creating interactive, inviting and functional web applications requires the skills of a web and software developer. Learn to develop software solutions using multiple programming languages, tools and frameworks. Apply design patterns, object-oriented analysis and SOLID principles to create robust and scalable applications. Explore web server administration and mobile application development.

*Can be combined with the IT - Data and Analytics Specialist to complete two associate degrees in three years.*

[Click here for program courses](#)

### IT - Mobile Programmer

27-credit TD | [wctc.edu/mobile-programmer](http://wctc.edu/mobile-programmer)

#### POTENTIAL CAREERS:

*App Developer, Mobile Software Developer*

Mobile programmers develop and program mobile applications and games. Gain valuable technical skills to design and create mobile applications for Android and iOS devices, as well as web-based applications for any mobile device with a browser.

[Click here for program courses](#)

### IT - Software Development Specialist

18-credit TD | [wctc.edu/software-dev-specialist](http://wctc.edu/software-dev-specialist)

#### POTENTIAL CAREERS:

*Mobile Application Specialist, Web Application Specialist*

Software development specialists work to create and modify general computer applications and software to provide solutions to various business needs. In this program, develop a solid foundation in Java Programming, architecture and database skills. Upon completion of the diploma program, possess the skills to build stand-alone and client-server applications, including web applications.

[Click here for program courses](#)

Java Programming | 16-credit Cert





# Ready to take a closer look?

We'd love to show you around! Explore our state-of-the-art training facilities, cutting-edge technology, helpful student resources and more - in person or online.

## Take a Campus Tour

Join us for a guided walking tour to get a first-hand look at our facilities and learn about all WCTC has to offer.



[wctc.edu/visit](https://wctc.edu/visit)

## Connect with an Enrollment Counselor

Our friendly enrollment counselors are here to help you navigate the process of becoming a WCTC student.

[enroll@wctc.edu](mailto:enroll@wctc.edu) | 262.691.5129



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