

WCTC PROGRAM LISTING

INFORMATION TECHNOLOGY





INNOVATE YOUR WORLD

Learn to develop and deploy the digital systems that power our world using critical technologies such as artificial intelligence, data analytics and cybersecurity. Gain the cutting-edge skills necessary for careers in the constantly evolving tech landscape, where you can build solutions and drive innovation to tackle complex challenges and opportunities across all industries.

AI DATA SPECIALIST | PATHWAY

AI Data Specialist

62-credit AAS | 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.

"Can be combined with the IT - Data & Analytics Specialist program to complete two associate degrees in three years."

AI Technician I 28-credit Cert

Foundations of AI I 19-credit Cert

INFORMATION TECHNOLOGY CERTIFICATES:

AI Technician I 28-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 14-credit
Database Server Administrator I 8-credit
Enterprise Support Technician I 12-credit
Foundations of AI I 19-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 19-credit
IT Support Technician I 10-credit
IT Systems Specialist I 24-credit
Java Programming I 16-credit
Python Programming I 4-credit
Report Analyst I 10-credit



Apply Online Now

wctc.edu/apply-online

IT - Computer Support Specialist

61-credit AAS | 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."

Desktop Support Technician

26-credit TD | 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.

IT Support Technician | 10-credit Cert

IT - Cybersecurity Specialist

61-credit AAS | 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."

IT Security Administrator | 17-credit Cert

IT Security Manager | 19-credit Cert

CAE-CD Cybersecurity | 32-credit Cert

"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



INFORMATION TECHNOLOGY

IT - DATA AND ANALYTICS SPECIALIST | PATHWAY

IT - Data and Analytics Specialist

63-credit AAS | 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 AI Data Specialist program or IT - Web and Software Developer program to complete two associate degrees in three years.

Business Systems Analyst I 10-credit Cert

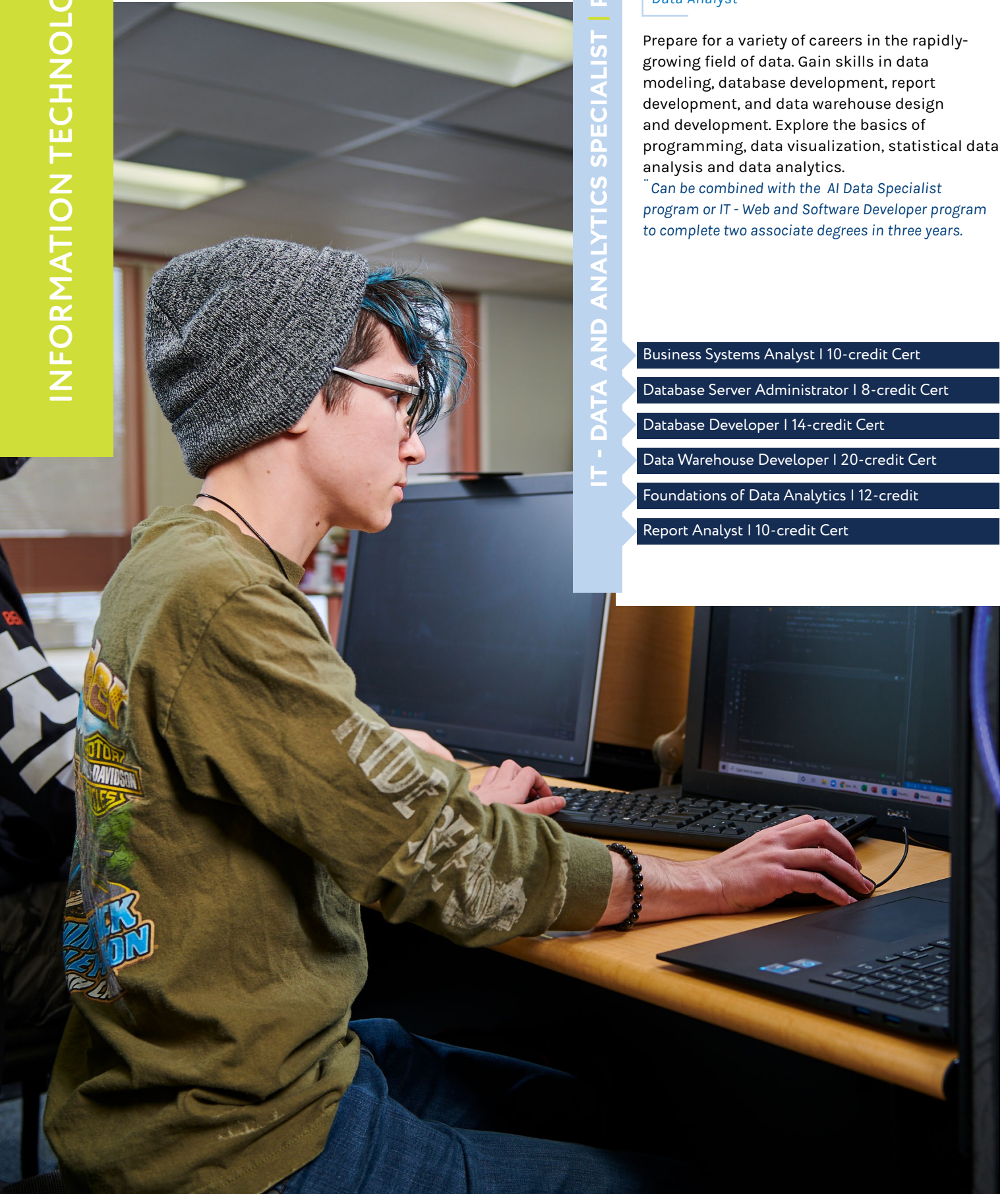
Database Server Administrator I 8-credit Cert

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

63-credit AAS | 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."

IT - Cloud Technical Solution Specialist

27-credit TD | 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.

Pathway continues →

Why WCTC?

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

Network Enterprise Administrator

28-credit TD | 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.

Enterprise Support Technician | 12-credit Cert

IT Network Support Specialist | 12-credit Cert

Cisco CCNA | 9-credit Cert



IT - Web and Software Developer

62-credit AAS | 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 IT-Data and Analytics Specialist to complete two associate degrees in three years."

IT - Mobile Programmer

27-credit TD | 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.

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

IT - Software Development Specialist

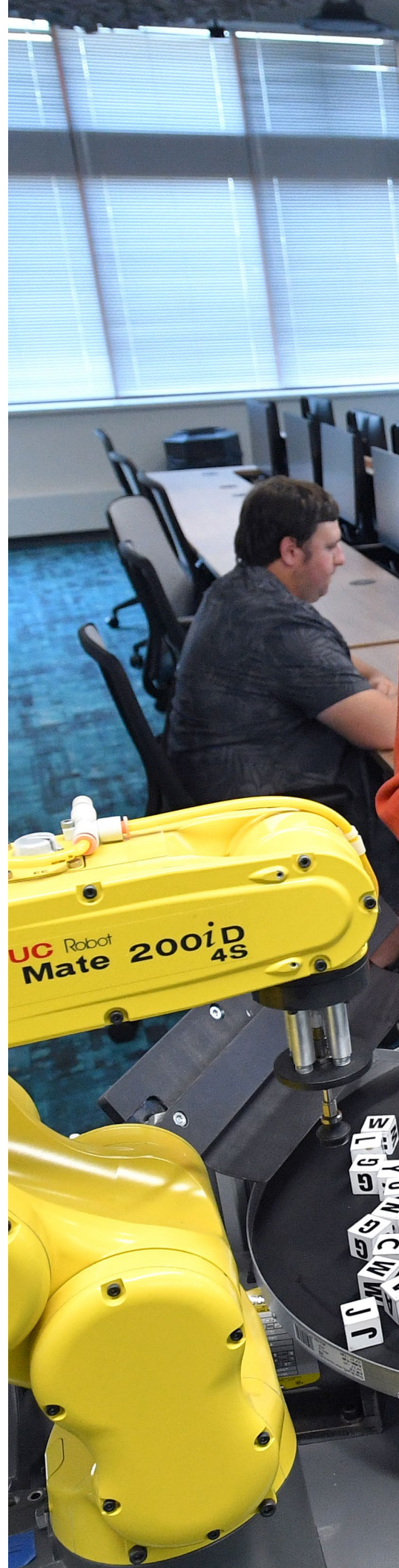
18-credit TD | wctc.edu/software-dev-specialist

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.

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

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 | 262.691.5129



WAUKESHA
COUNTY TECHNICAL
COLLEGE

Hands-on
Higher Ed