IT SYSTEMS SPECIALIST
24-credit Certificate

The Information Technology industry employs over six million individuals in manufacturing, banking, retail, construction, finance, transportation, healthcare and education. This field is projected to continue to be one of the fastest growing sectors in the world economy and the lack of skilled individuals is increasing annually. Are you interested in better understanding the many aspects of IT, such as cyber security, networking or application development, but not sure what discipline is right for you? Earning this IT Systems Specialist certificate is a great way to better understand the different types of work performed by IT professionals.

WCTC'S DUAL ENROLLMENT ACADEMY (DEA) is designed to give high school students a jump start in high-demand occupations, awarding participants with a WCTC credential(s) upon successful completion along with earning high school credits. High school students will spend the majority of their school day, both the fall and spring semesters, at WCTC participating in DEA.

Prospective students should have a strong interest in pursuing a career in their chosen program option. Students must be in good academic standing with a minimum 2.0 high school GPA and also meet the WCTC program requirements. Parental and high school approval is required for a student to be accepted into the program.

IT Systems Specialist Courses

Fall Semester		Credits
631-183	IT Essentials A+	3
150-121	Enterprise Clients	3
150-117	Intro to Cisco Network	3
152-112	Introduction to Programming C#	3

Spring Semester		Credits
152-101	Python Programming	1
156-108	Intro to Databases and Reporting	1
201-110	Webpage Design 1	3
151-106	Security 1	3
107-102	IT Support	2
156-109	Intro to SQL	2

DEA Students Earn

- **IT Systems Specialist Certificate**
- Opportunity for industry recognized **CompTIA A+ and ITF+ Certifications**

Continue on your educational pathway using your DEA credits at WCTC.

Next Steps

1. Meet with your High School Counselor/Dual Enrollment Coordinator to see if you qualify for WCTC DEA.

2. Attend a Dual Enrollment Informational Session at WCTC.

3. Complete a WCTC Dual Enrollment Academy Application and submit it to your High School Counselor/Dual Enrollment Representative for approval prior to the posted deadline.

www.wctc.edu/dual-enroll

WCTC | WAUKESHA COUNTY TECHNICAL COLLEGE | Hands-on Higher Ed

800 Main Street, Pewaukee, Wisconsin 53072

Questions? Contact the Dual Enrollment Academy Coordinator, at 262.691.5557 or DEA@wctc.edu

Your DEA credits count!

Pathway

Choose to continue in one of these Information Technology (IT) Associate of Applied Science degree programs!

14 DEA credits go toward:
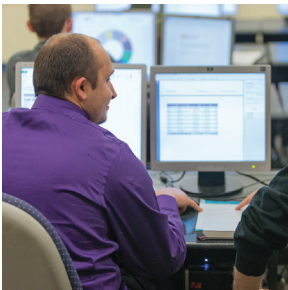
IT - Computer Support Specialist

Prepare for positions that involve support of end users and computer systems. Gain skills in problem solving, team building, service management and interpersonal communication. Become proficient at installing and updating computer hardware, software and networks as well as troubleshooting computer problems within organizations.

13 DEA credits go toward:

IT - Network Specialist

Train in the installation and troubleshooting of network operating systems, cabling, Cisco routers and switches, network infrastructure, and wireless and other LAN/WAN technologies. Benefit from world-class network labs, case projects and an internship experience.

9 DEA credits go toward:

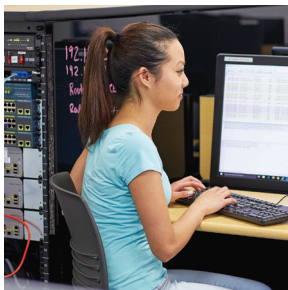**IT - Data and Analytics Specialist**

Learn how to support the operational database needs of small to medium businesses – including configuration and management of database servers, user permissions on the database and troubleshooting performance issues, and become proficient in data analysis, reporting and data model development.

9 DEA credits go toward:

IT - Web and Software Developer

Learn to develop applications using VB.Net, Java, ASP, JSP, SQL and web development languages. Gain skills in deployment, secure coding, database access, system integration and testing that are needed to be productive in large and small organizations.

7 DEA credits go toward:

IT - Cybersecurity Specialist

Discover how to protect data confidentiality, integrity and availability while learning ways to implement security mechanisms to mitigate attacks from various vectors. Emphasis is placed on vigilant security awareness, identifying network threats and deploying appropriate incident responses.

Plus

The Information Technology field has many industry credentials that can be obtained along these pathways.

Continue on your educational pathway to a bachelor's degree!
WCTC has many transfer agreements in place to make the process seamless.

To qualify for most federal and state financial aid, a student must be enrolled in a technical diploma or associate degree program.

Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual wages may vary based on experience, industry, location and specific job requirements.

WCTC prohibits discrimination or harassment based on any status protected by applicable state or federal law.

WCTC

WAUKESHA COUNTY TECHNICAL COLLEGE

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