IT CERTIFICATES

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■ INFORMATION TECHNOLOGY

Business Systems Analyst | 9 credits

Business systems analysts support business applications that rely on databases. In this certificate, learn the basics of networking and support. Develop knowledge to perform user management and permissions in SQL Server, learn the basic of reporting in Microsoft Access, and discover how to create and interpret database diagrams.

CAE2Y Cybersecurity | 20 credits

Cybersecurity is one of today's most popular, in-demand skill sets. Learn to protect computers, networks, infrastructure and data from unintended or unauthorized access, change or destruction. Enhance your technical proficiency in Wisconsin's first college with the National Security Agency and Department of Homeland Security's CAE2Y designation.

Cisco CCNA | 9 credits

Master the skills needed to earn CISCO's Certified Network Associate (CCNA) certification by learning how to install, configure, operate and troubleshoot medium-sized routed and switched networks. Explore basic security threat mitigation, wireless networking concepts and terminology, and performance-based skills. Excel in supporting complex network infrastructures with this in-demand professional certification.

Database Developer | 14 credits

Learn how to create and maintain databases, SQL scripts and stored procedures. Develop skills to integrate systems and build applications that are tightly integrated with databases. Explore Microsoft SQL Server and the C# programming language.

Database Server Administrator | 9 credits

Learn how to install, upgrade and maintain the day-to-day operations of database servers. Explore task scripting and automation, business continuity and disaster recovery. Gain hands-on experience using Windows Server, Microsoft SQL Server and PowerShell.

Enterprise Support Technician | 12 credits

Learn real-world enterprise support skills including hardware and software installation and configuration, troubleshooting and problem resolution, customer support skills and the fundamentals of Cisco networking. Practice communication skills and problem-solving techniques, plus gain hands-on experience in service management applications.

IT Network Support Specialist | 12 credits

Learn to implement, manage and troubleshoot small, medium and large network systems, keeping businesses secure and connected. Prepare for the Microsoft Windows MCTS, LPI Linux Essentials and Cisco CCENT certifications and gain skills for a challenging career in IT networking.

IT Security Administrator | 17 credits

Enhance your IT knowledge with specialized security skills. Learn to implement security solutions using Cisco routers, switches and Adaptive Security Appliances. Gain hands-on experience in configuring a variety of network operating systems, firewalls, VPNs, packet filters and intrusion detection systems. Learn skills to prepare for the CompTIA Security+ certification exam.

IT Security Manager | 19 credits

Explore cybersecurity issues and responses, and learn about the role information technology plays in business processes. Learn to prepare a Business Impact Analysis (BIA), contingency plan and disaster recovery plan. Build crisis communication skills needed to interact with employees, customers and vendors during a disaster.

IT Support Technician | 10 credits

Develop skills necessary to plan and implement small networks across a range of applications. Lean how networks are set up, how hardware and software are configured and how communication takes place on a network. Explore network security best practices and learn how to efficiently diagnose and troubleshoot common computer problems.

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IT Systems Specialist | 22 credits

The information technology field is projected to continue to be one of the fastest growing sectors in the world economy. In this program, explore the many aspects of IT, such as cybersecurity, networking and application development to gain a better understanding of the types of work performed by IT professionals.

Java Programming | 13 credits

Develop the IT industry's most in-demand skills in object-oriented analysis and design using the popular Java programming language. Build, test and deploy a wide range of stand-alone and client-server applications, including web applications. Learn object-oriented programming (OOP) concepts that apply to any OOP language.

Python Programming | 4 credits

Explore Python, one of the most popular general-purpose programming languages. Learn beginning to advanced Python skills, then apply your knowledge in game design and IoT development. This short-term certificate program is a quick, fun way to expand your programming knowledge.

Report Analyst | 9 credits

Report analysts design and develop reports, dashboards, metrics, and data extracts to support daily business operations. They also analyze data for accuracy and data integrity. Technologies taught include: SQL Server, SSRS, Microsoft Access & Excel, and Tableau.

Storage and Virtualization Administrator | 15 credits

Learn to support dynamic IT structures and use virtualization technologies to optimize efficiency, resiliency and control over complex network environments. Explore the technologies required to build classic, virtualized and cloud data center environments. Enhance skills with emerging information storage and management solutions.

WCTC WAUKESHA COUNTY TECHNICAL COLLEGE | Hands-on Higher Ed