

COMPUTING AND SECURITY TECHNOLOGY



Computing and Security Technology at Drexel

Computing technologists perform multiple IT tasks and access various information resources. They are at the center of the digital revolution. Drexel at BCC's major in Computing and Security Technology emphasizes hands-on education and supplements fundamental concepts with actual industry experience. Our program will provide you with the set of applied skills you'll need as part of an information systems team.

Concentrations

Computing Technology. For students who are interested in becoming webmasters, network and system administrators, multimedia developers, or database specialists, the Computing Technology concentration gives an in-depth overview of current and upcoming computing technologies, with an emphasis in practical experience.

Computing Security. For students who are interested in the more specialized field of computing security, this concentration provides practical and theoretical computer information security skills. Upon completion of the program, students will have the knowledge and skills necessary to implement security policies, understand and identify security threats and vulnerabilities, develop countermeasures, and manage the deployment of security solutions.

Potential Careers

Network Administrator. Designs, installs, and supports an organization's local-area network (LAN), wide-area network (WAN), network segment, Internet, or intranet system. Provides day-to-day onsite administrative support for software users in a variety of work environments, including professional offices, small businesses, government, and large corporations.

Database Administrator. Works with database management software and determines ways to organize and store data. Identifies user requirements, sets up computer databases, and tests and coordinates modifications to the database systems. Designs and implements system security and often plans and coordinates security measures.

Chief Information Security Officer. Provides leadership and guidance in IT security and risk management. Raises security awareness. Creates, maintains, and assesses organizational processes regarding access to information.

Courses You'll Really Enjoy

Network Administration I. Students gain an understanding of terminology, technology, and issues involved in implementing networks. Topics include: understanding the OSI 7 layer model; concepts of servers and clients; network hardware/software functions; basics of TCP/IP protocol, types of network topologies; and share and access network resources.

Web Development I. Focuses on understanding Internet interactive systems from a user-centered perspective. Students learn about how people perceive, process, remember, utilize, share, and communicate about information in a Web environment. Students become familiar with Web advertising techniques.

Security Technology Models and Architecture. Presents theory and techniques utilized by IT security professionals to secure a wide range of diversified platforms. Focuses on solutions for securing Web servers, code, communications, applications, and databases.

Disaster Recovery and Continuity Planning. Specific to emergency recovery procedures. Techniques for development of disaster recovery plans, procedures, and testing methods. Strategies used by businesses to assure that sensitive data will not be lost in the event of a disaster. Techniques used to manage potential risk within multiple environments.

For More Information

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