Program Description
The Computer Networking Technician program is an evening program that prepares graduates for positions in computer networking and IT support. Students learn basic computer logic and the practical application of computer operations and maintenance. Courses include data communications; client and server operating systems (such as Microsoft Windows and Linux); networking technologies (including wireless networks and Cisco©); and basic programming. Students also learn about Microsoft applications, virtualization technologies, and IT security issues.

Arts & Sciences curriculum enhances the skills necessary for students to be successful in their career, including technical writing, communication, and math courses designed specifically for computer students. A shorter certificate option is also available.

Dunwoody College of Technology: a non-profit, private technical college since 1914.

Credential Earned | AAS Degree
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Classes Offered | Evening
Length of Program | 2 years (4 semesters)
Available Starts | Fall Semester only; for Fall only starts, students can take Arts & Sciences courses in Spring
Further Study | Bachelor’s Completion Degree in Computer Systems Analysis or Applied Management with a concentration in Management Information Systems (MIS)

Common Job Titles
- Systems Administrator
- Computer Support Technician
- Client Device Analyst
- Technical Consultant
- Information Security Engineer

Recent Employers
- Architecture Technology Corporation
- M.A. Mortenson Company
- Vista Outdoor
- Open Systems Technologies
- Target
- Dunwoody College of Technology

Salary Data
| Annual Average Salary | $61,150 |

Placement Rate
| 100% |

Degree Requirements
- CNET1110 Computer Systems
- CNET1120 Network Fundamentals
- CNET1210 Server Systems I
- CNET1220 Routing & Switching I
- CNET2110 Server Systems II
- CNET2120 Routing & Switching II
- CNET2210 Enterprise Application Administration
- CNET2220 Open Source Software
- MATH1250 Boolean Algebra
- MATH1050 Algebra, Trigonometry & Geometry
- COMM1150 Interpersonal Communication
- WRIT2010 Technical Writing

How to Apply
- dunwoody.edu
- 612.374.5800
- info@dunwoody.edu

*Courses required for the Computer Networking Technician certificate
Course Descriptions

CNET1110 Computer Systems, 5 cr.
Apply electronic theory, Boolean logic, utilization of hex editors and assembly language to understand the underpinning technologies that make computers systems work. Maintenance and repair of computer operating systems, hardware, peripherals, and component selection/installation for machines commonly found in a business.

CNET1120 Network Fundamentals, 5 cr.
Concepts and terminology of business data communications and how it applies to the business environment. Introduction to client-server networking, associated networking devices, and services required to support a network and the current models governing interoperability. Portions of this course will provide preparation for the CompTIA Network+ Certification.

CNET1210 Server Systems I, 5 cr.
Install, configure, maintain, and manage the primary services in the Microsoft Windows Server operating system. Introduction to the sharing of system resources, remote administration techniques to facilitate efficient and effective management of business computer systems.

CNET1220 Routing & Switching I, 5 cr.
Concepts and application of bridging, switching, and routing in an industry-standard networking environment. Install, configure, and manage networks, routers, and switches to facilitate basic network communication architectures. Portions of this course help to prepare for the Cisco Certified Networking Associate (CCNA) exam.

CNET2110 Server Systems II, 5 cr.
Install, configure, maintain, and manage directory services for the network infrastructure including server deployment, terminal services, web services, network application services, planning, designing, and business continuity.

CNET2120 Routing & Switching II, 5 cr.
Advanced concepts and application of bridging, switching, and routing in an industry-standard networking environment. Practice advanced business network communication architectures. This course helps to prepare for the Cisco Certified Networking Associate (CCNA) exam.

CNET2210 Enterprise Application Administration, 5 cr.
Install, configure, maintain, and manage Microsoft Exchange Server (e-mail) and the considerations needed to optimize Exchange Server deployment. Managing and maintaining databases and multidimensional databases on Microsoft SQL Server. Development and deployment of SharePoint sites, security, database connectivity; administer and monitor SharePoint sites for use in a business setting.

CNET2220 Open Source Software, 5 cr.
Install, configure, maintain, and manage a wide variety of Open Source Software (OSS) including OSS desktop productivity software; the history of the open source movement. Configure OSS operating systems to support common client-servers, Web hosting, and other services commonly found at the enterprise and ISP levels of industry.

MATH1250 Boolean Algebra, 3 cr.
Binary, octal and hexadecimal number systems. Boolean algebra and mapping.

MATH1050 Algebra, Trigonometry & Geometry, 3 cr.
Principles of algebra, geometry and trigonometry used in the context of a technical setting. Problem-solving strategies are developed and applied to technology.

COMM1150 Interpersonal Communication, 3 cr.
Analyze the process of interpersonal communication as a dynamic and complex system of interactions. Integrate interpersonal communication theory into work, family and social relationships. Apply fundamental tools needed to provide quality customer service. Decision making, problem solving, and managing customer service processes are emphasized.

WRIT2010 Technical Writing, 3 cr.
Technical writing applications are studied for format, style, voice, and point of view; considered for purpose, audience, and subject. Critical thinking and developed expertise are employed to analyze, interpret, evaluate, summarize and generate various technical documents, individually and within teams.