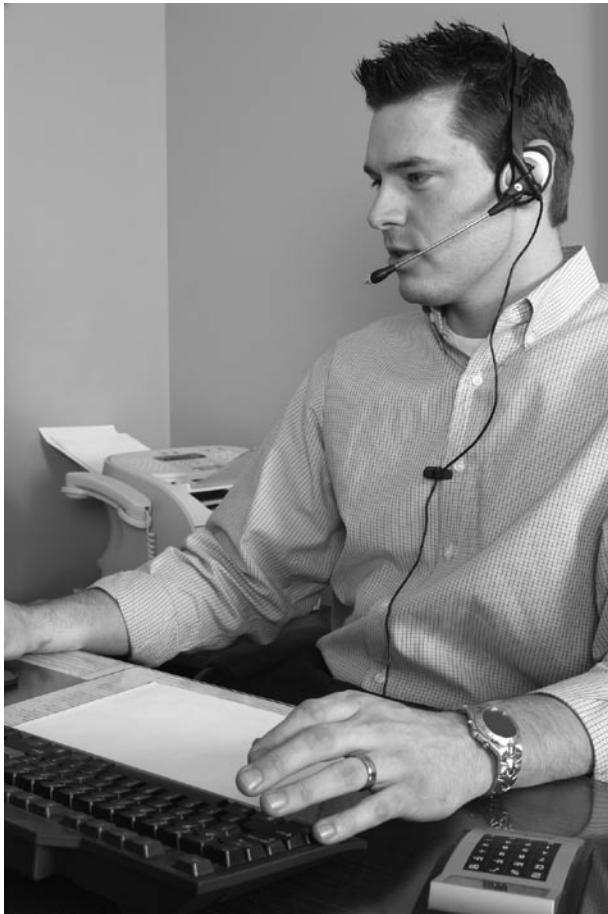


## Computer Careers

Advances in science, technology, the social sciences, business, industry and government are all dependent upon precise analysis and the extraction of information from large quantities of data. At Clark College, students can master the fundamental skills needed in computer technology to achieve success in a wide range of career fields.

Clark College also offers academic transfer courses in computer science fields, computer literacy and applications classes, and technical training certificate programs. College faculty work closely with their counterparts at the university level and with representatives from business and the high technology industry to ensure that coursework and training prepares Clark graduates for success in advanced college studies and on the job.



### College Abilities

Clark College has identified six college-wide abilities that help students apply what they learn. The core abilities are taught across the curriculum and students continually practice and improve their skills in the six areas.

#### Communication

The ability to understand and deliver written, spoken and visual communication clearly and accurately.

#### Critical Thinking/Problem Solving

The ability to formulate, evaluate and synthesize facts, data, ideas, assumptions, values and points of view.

#### Effective Citizenship

The ability to identify community issues; evaluate and respect various opinions and values; and articulate one's own perspective.

#### Global/Multicultural Perspectives

The ability to identify, analyze and demonstrate how culture shapes world perceptions, values and behaviors.

#### Lifelong Learning

The ability to set and revise goals, access resources and assume responsibility for one's own learning.

#### Information/Technology

The ability to identify resources; retrieve and manage data; interpret, evaluate and use information; and adapt to changing technologies.

Clark College does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, sexual orientation, gender identity, gender expression, creed, disabled veteran status, marital status or Vietnam-era veteran status in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies:

Director for Equity and Diversity  
Baird Administration Building  
(360) 992-2355  
(360) 992-2835 (TTY)

## Computer Technology

# Computer Network Administrator



- Certificate of Proficiency
- Associate in Applied Science Degree
- Two-year program



# Computer Network Administrator

This program is designed for students who want to work as systems administrators with local area network systems. Network administrators install workstation and server software; set up user accounts and restrictions; install, define, and maintain system resources such as file systems and printers; maintain network operations; perform backup and recovery procedures; and perform troubleshooting.

Students are trained in technical support of PC systems and in administration of Windows 2003 and UNIX server-based systems. Courses are taught to prepare the student to complete industry certification examinations such as CompTIA A+ and CompTIA Network+; Microsoft MCP, MCSA, and MCSE Core exams.

In addition to learning technical skills of computer networks and operations, the Computer Network Administrator (CNET) program also requires coursework in human development, writing, and speech because communication skills are critical for technical support providers.

Students interested in the CNET program who have not completed the introductory courses must obtain advising information from the Computer Technology Advisor in General Advising. Upon completion of these courses, students who wish to continue in the program will be assigned a department advisor.

Students must complete all major area courses with a minimum grade of "C" or better in order to successfully complete the program and earn the award.

## Computer Network Administrator

*Certificate of Proficiency*

### First Quarter

CMST	201	Small Group Communication	5 credits
or	211	Interpersonal Communication	5 credits
ENGL	111	Technical Report Writing I	5 credits
or	101	English Composition	5 credits
MATH	090	Elementary Algebra	5 credits
or	095	Eligibility as determined by ASSET test	0 credits

### Introductory Courses

BTEC	149	Computer Application Essentials	3 credits
CTEC	100	Introduction to Computing	3 credits
CTEC	102	Introduction to Windows	3 credits
CTEC	150	Introduction to Local Area Networks	2 credits
ELEC	111	Introduction to Microcomputers	3 credits

### Major Area Requirements

CTEC	151	Networking Concepts	5 credits
or			
DNET	121	CISCO CCNA 1: Network+ & CCNA Network Basics	6 credits
CTEC	199	Cooperative Work Experience	3 credits
CTEC	201	A+ PC Operating System Technologies	5 credits
CTEC	250	Windows Administration	5 credits
CTEC	269	Windows Network Troubleshooting	2 credits
CTEC	271	Managing Windows Server 2003 Environment	5 credits
CTEC	272	Maintaining Windows Server 2003 Environment	3 credits
CTEC	273	Network Hosts—Windows Server 2003	2 credits
CTEC	274	Network Services—Windows Server 2003	5 credits
ELEC	107	A+ PC Core Hardware Technologies	5 credits
HDEV	200	Professional Development	2 credits

**Total Credits Required 66-72 credits**  
(including General Education Requirements)

Refer to the Degree Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.

## Computer Network Administrator

*Associate in Applied Science Degree*

In addition to completing all courses for the Certificate of Proficiency, students must also complete the following additional General Education and Major Area Requirements and all other requirements as prescribed in the Degree & Certificate Requirements Section of the Clark College Catalog.

### General Education Requirements

Health Requirement & PE Activity	3 credits
Humanities Requirement	3 credits
Science Requirement	3 credits
Social Science Requirement	3 credits

### Major Area Requirements

CTEC	140	Introduction to UNIX	5 credits
CTEC	141	UNIX System Administration	5 credits
CTEC	230	Introduction to Network Security	5 credits

**Total Credits Required 95-101 credits**  
(including General Education Requirements)

Refer to the Degree & Certificate Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.