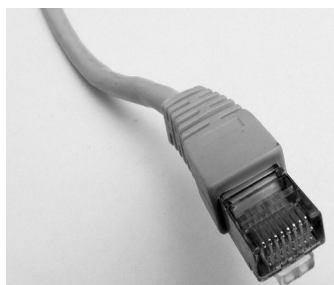


# COMPUTER SYSTEMS MANAGEMENT (A.S.)



The rapid evolution of computers is changing the world around us, including the way we do business, educate ourselves, and communicate with each other. The computer systems management program gives you the skills necessary to be a computer administrator in a small business or any environment that uses computers in its daily operations. You will be exposed to a wide variety of computer applications software, develop an understanding of network environments, and build technical skills to maintain hardware and software systems. Upon completion of the program, you will also be prepared for the CompTIA A+ and Network+ certification exams.

## PROGRAM REQUIREMENTS

- CIS-1151 - Website Development\*
  - CIS-1350 - Desktop Operating Systems (4 cr)
  - CIS-2040 - Management Information Systems
  - CIS-2110 - Concepts of PC Hardware (4 cr)
  - CIS-2120 - Concepts of Local Area Networks
  - CIS-2245 - Concepts of Computer Security
  - CIS-2360 - Computer User Support
  - CIS-2860 - Community & Work Experience
  - Choose any 3-credit introductory programming course
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### Elective – 1 credit

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\* You may use a course to meet both a program requirement and a general education requirement; however, you may not use a single course to meet two general education requirements.

## GENERAL EDUCATION REQUIREMENTS

### Core Competencies

- First Semester Seminar (INT-1050 or INT-1060)

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- Technological Literacy  
CIS-1151 - Website Development
- Communication  
*Meets graduation standard in oral communication*

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- English Composition
- Mathematics

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- Research & Writing Intensive

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### Areas of Inquiry

- Scientific Method

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- Human Expression

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- Human Behavior

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### Integrative Approaches

- Global Perspectives & Sustainability

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- Seminar in Educational Inquiry  
*Meets graduation standard in writing & information literacy*
- Quantitative Reasoning Assessment  
*Meets graduation standard in quantitative reasoning*

MINIMUM TOTAL CREDITS IN DEGREE: 60

# COMPUTER SYSTEMS MANAGEMENT (A.S.)

## Computer Systems Management Program Outcomes

Successful graduates will be able to:

- demonstrate knowledge and skills that meet industry standards and certification requirements in the use of computer hardware and operating systems technology;
- utilize technology to obtain information through a variety of methods, including the Internet, databases, and other sources;
- demonstrate proficiency in application software (word processing, spreadsheets, web page design, presentation programs) to effectively communicate information in a professional setting;
- use a computer programming language to solve problems in a work place setting and implement appropriate solutions;
- upgrade, repair, and install hardware and software applications with emphasis on problem anticipation and user support;
- prepare a plan for implementing a local area network in a small business setting;
- demonstrate academic skills required of all CCV graduates, including competency in writing, information literacy, oral communication, quantitative reasoning; and
- explore pathways for educational and career development in the student's field of study.

## How Our Degree Works

CCV's Computer Systems Management program gives you the skills necessary to be a computer administrator in a small business or any environment that uses computers in its daily operations. You will use a wide variety of computer applications software, develop an understanding of network environments, and build technical skills to maintain hardware and software systems.

## Why Our Degree Works

CCV offers courses using current hardware, software and learning technologies that prepare you for a number of industry certifications. Many of our courses are offered online or in hybrid format, using a combination of distance learning with classroom-based labs. By including a variety of learning environments from classroom-based courses, to distance education and community and work experience, CCV's degree prepares you for a successful career in information technology.

## Career Opportunities

CCV graduates have found employment as assistant network administrators, database and application specialists, and computer support specialists for Internet service providers and other employers. The range of skills covered in the degree program allows you to select from an assortment of employment specialty areas or to pursue a baccalaureate degree in a technical area such as web development, engineering, programming and information management.

## Transfer Options

CCV has articulation agreements with Champlain College, University of Vermont, and Marlboro College. CCV advisors can help you select courses that will transfer to your four-year program. Graduates have also transferred successfully to University of Vermont, Champlain College, Lyndon State College, Johnson State College, and Massachusetts College of Liberal Arts, as well as to colleges and universities nationwide.



*"CCV's program offers students solid learning using today's technologies so they can gain the skills necessary to take their place among Vermont's IT professionals."*

*– Tony Harris, CCV  
Graduate, Assistant Chief  
Technology Officer, CCV*

**For more information  
visit [www.ccv.edu](http://www.ccv.edu),  
or call your  
local CCV office.**

CCV is committed to non-discrimination in its learning and working environments for all persons. All educational and employment opportunities at CCV are offered without regard to race, color, gender, sexual orientation, religion, national origin, age, veteran status, or disability.