COMPUTER SYSTEMS MANAGEMENT (A.S.)

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 be prepared for the CompTIA A+ and Network+ certification exams.

All associate degrees include completion of general education requirements which, together with program requirements, constitute a minimum of 60 credits. In some cases program requirements also fulfill general education requirements. You may not use a single course to meet two general education requirements.

General Education Requirements
Core Competencies

Complete at least one course in each of the following:

- ❑ First semester seminar _____
- ❑ Technological Literacy
    CIS 1151 - Website Development
- ❑ Communication
    CIS 2360 - Computer User Support
- ❑ English Composition
    ENG 1061 - English Composition
- ❑ Mathematics _____
- ❑ Research & Writing Intensive _____

Areas of Inquiry

Complete at least one course in each of the following:

- ❑ Scientific Method _____
- ❑ Human Expression _____
- ❑ Human Behavior _____

Integrative Approaches

- ❑ Global Perspectives & Sustainability _____
- ❑ HUM 2010 - Seminar in Educational Inquiry
    Meets graduation standard in writing and information literacy
- ❑ Quantitative Reasoning Assessment
    Meets graduation standard in quantitative reasoning

Program Requirements

Courses are listed in the order in which we recommend you take them.

- ❑ CIS 1151 - Website Development *
- ❑ CIS 2031 or CIS 2140 or CIS 2210 or CIS 2271
    - Introductory programming course
- ❑ CIS 2110 - Concepts of PC Hardware
- ❑ CIS 1350 - Desktop Operating Systems
- ❑ CIS 2040 - Management Information Systems
- ❑ CIS 2360 - Computer User Support*
- ❑ CIS 2120 - Concepts of Local Area Networks
- ❑ CIS 2245 - Concepts of Computer Security

- ❑ INT 2860 - Professional Field Experience
    or
- ❑ BUS 2010 - Concepts of Project Management

Elective: 4 credits _____

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Note(s)

*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.

Minimum Total Credits in Degree: 60

Program Outcomes

Graduates of the Computer Systems Management program will be able to:

- demonstrate knowledge and skills that meet industry standards and CompTIA A+ certification requirements in the use of computer hardware and operating systems technology;

- demonstrate proficiency with 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.

The Computer Systems Management program is great for you if:

- you enjoy working with computers and systems software;

- you are looking for a career in user support;

- you want to learn a little bit about a broad range of computer topics;

- you have good customer service and communication skills; and

- you are prepared to work in a dynamic and changing work environment.

Key information and advice for students in the Computer Systems Management program:

- The Computer Systems Management degree provides practical experience with networks and business information systems.

- This program provides skills necessary to be a computer administrator in a small business or any environment that uses computers in its daily operations.

- This program can be completed entirely online with the exception of one classroom meeting for Concepts of PC Hardware.

- Students will be prepared for A+, Net+, and Security+ certification exams.

- This program is often a better match than Network Administration for students who plan to go on to a bachelor's degree.

- This program fits easily into most IT-related bachelor's degrees and allows for more specialization in IT at the 3rd and 4th year levels.

The Computer Systems Management program prepares you for careers such as:

- Computer Support Specialist
- Computer Security Specialist
- Software Analyst

Job outlook in Computer Systems Management in the state of Vermont:

Title	Median Salary	Projected Growth (10 Yrs)
Computer Support Specialist	$45,010	11.2%
Computer Security Specialist	$59,470	11.2%
Software Analyst	$73,440	9.8%

Source: Vermont Department of Labor http://www.vtlmi.info/index.cfm

This page is an excerpt from the official CCV '16-'17 catalog and is subject to change. Refer to catalog.ccv.edu for the most current and official information.