



Computer Network Systems Technology

■ What Is Computer Network Systems?

Computer network systems involves the design, installation, and support of an organization's local-area network (LAN) and wide-area network (WAN) daily operations as well as their Internet and intranet connectivity.

People who work in network system support maintain network hardware and software, analyze problems, and monitor the network to ensure its availability to system users. Network support personnel also gather data to identify customer needs and then use the information to identify, interpret, and evaluate system and network requirements. Network administrators also may plan, coordinate, and implement network security measures.

■ Success Factors

You should have strong problem-solving, analytical, and communication skills. You especially need the ability to view things as interactive whole systems. You should also be able to anticipate future problems and plan responses accordingly.

■ Career Possibilities

You may pursue many different careers. Some of your opportunities for employment include the following areas:

- network design and administration
- technical support
- telecommunications
- programming and software engineering

■ Majoring In Computer Network Systems

If you have a working, general knowledge of computer and network connectivity, you will find this program especially suitable.

Our coursework recognizes multiple learning styles with Web-based, multimedia content and online assessment and evaluation throughout the program.

In our hands-on labs, you will learn to design, install, and support an organization's LAN and WAN network segments as well as their Internet, or Intranet systems.

You will be prepared to provide day-to-day onsite support for software users in a variety of work environments, including professional offices, small businesses, government, and large corporations. You will also learn to administer and configure networks and servers remotely.

Your computer network systems coursework, in combination with the well-balanced selection of courses in English, personal communications, history, and social sciences, enables you to develop the skills necessary to operate effectively in the workplace and in customer environments.

You should be able to complete all but one course of this program in 2 years, attending full-time fall, winter and spring quarters. However, because of prerequisite requirements, you will need to take your final 5 credit hour class the summer of your second year. You may also choose to co-op. If you graduated in computer networking from a tech prep high school program, you may be granted college credits and advanced standing. This program is career specific and does not generally transition into a bachelor's degree.

If you are already employed or if you choose not to pursue an associate degree, you may wish to consider the certificate option instead. The certificate completes the CCNA and CCNP portions of the degree program, providing you with highly marketable credentials in an explosively growing field.

■ Program Requirements

You should check with your academic advisor every quarter *before* you register for classes. Two years is really a short time to squeeze in all of your degree requirements. We cannot offer every course every quarter. If you miss taking a prerequisite for a required course, or don't take a particular course the only quarter it is offered during the year, you can jeopardize your ability to complete your degree on time.

CORE COURSES	Cr. Hrs.
First Year Experience	1
Work Experience <i>or</i> elective	3
Implications of Computer Technology.....	3
Effective Public Speaking	3
PC Hardware.....	4
PC Operating Systems	4
CAD I.....	3
Introduction to Lean Manufacturing.....	3
Elements of Electrical and Computer Engineering Technology	3
Elements of Electrical and Computer Engineering Technology Lab.....	1
Computer Network Systems I, II, III	12
Advanced Computer Network Systems I, II, III, IV	20
Voice and Data Communications	3
Multimedia Logistics	3
English Composition I, II.....	6
Intermediate Composition	3
Technical Writing	3
Elementary Probability and Statistics I	3
Fine Art/History/Literature electives.....	6
Natural Science elective	3
Social Science elective	3
TOTAL.....	93

■ Advantages & Special Opportunities

The Clermont campus is on 92 wooded acres located in Batavia, Ohio, in the heart of Clermont County. We are relatively small and our faculty to student ratio is low. You will find our small class size and personal interaction with your instructors create the ideal learning environment. Parking is convenient and at no additional charge. Plus, our tuition is the lowest of the UC colleges.

Studies are oriented toward business settings and solutions to day-to-day installation and maintenance problems. You will learn on the latest hardware with up-to-date tools and techniques gaining hands-on experience.



We highly recommend that you also pursue CISCO Certified Network Associate (CCNA) and CISCO Certified Network Professional (CCNP) certification. To obtain CCNA certification, you may take either a two-exam option (exam 1 covers CCNA 1 and 2; exam 2 covers CCNA 3 and 4) or a one-exam option that covers CCNA 1 through 4. CCNP certification is acquired by completing four exams (CCNP 1, 2, 3 and 4). Our curriculum thoroughly covers all four parts of both CCNA and CCNP, and you may take each exam as you complete the appropriate coursework.

As you successfully complete each exam, you earn a certificate which is a nationally-recognized statement of proficiency issued by Cisco Systems, Inc. (Our students pass their certification exams at a better than 90% rate.)

We are a certified CISCO Academy.

For more information on CISCO certification, visit www.cisco.com/web/learning/le3/le2/le0/le9/learning_certification_type_home.html

■ Application Deadlines

UC Clermont College is an open admissions campus. If you have your high school diploma, GED, or its equivalent, we will admit you. We accept applications all year long and you may start any quarter. Financial aid takes 6-8 weeks to process. We recommend that you apply at least 10 weeks prior to your desired attendance.

You should plan to start computer network systems in the fall quarter because the basic series of foundation courses required for this program starts in the fall and continues sequentially through the spring.

■ For More Information, Contact:

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