East Central College
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East Central College is accredited by the Higher Learning Commission and a participant in the Academic Quality Improvement Program (AQIP)
30 N. LaSalle St., Suite 2400
Chicago, Illinois 60602-2504
1 (800) 621-7440

THE CAREER

Network and computer systems administrators design, install and support an organization's computer systems. They are responsible for local-area networks (LAN), wide-area networks (WAN), network segments and Internet and intranet systems.

Computer support specialists provide technical assistance and advice to customers and other users. This occupational group includes technical support specialists and help-desk technicians.

PROFESSIONAL TRAITS

Those pursuing a career in this field should:

• Have strong problem-solving and analytical skills

• Be able to communicate effectively on paper, via e-mail, over the phone or in person

• Have strong writing skills, which are useful in preparing manuals for employees and customers

EMPLOYMENT OPPORTUNITIES

The career outlook for computer support specialists is positive. By 2022, the number of jobs is projected to increase by 17%, a faster-than- average growth rate* when compared with all other U.S. careers.

Nationwide, median annual earnings of computer support specialists were $54,960, or $24.22 per hour* in May 2014.

The industries employing the most computer support specialists in 2014 were:

• Computer systems design and related services

• Educational services (state, local, and private)

• Information

• Finance and insurance

• Telecommunications

• Wholesale trade

* Data provided by the U.S. Bureau of Labor Statistics

THE PROGRAM

The ECC Computer Information Systems program focuses on a wide range of fundamentals and product-specific technology such as database and application software. In addition, because the college is a Cisco Networking Academy, it is able to offer specially-designed curriculum for training technicians on this equipment. Classes in networking technology, operating systems and client-server development tools ready students for employment in several areas of the computer technology and information field. Furthermore, upon completion of the coursework, students are prepared to take the:

• CCNA (Cisco Certified Network Associate) exam

• Network+ exam (CompTIA's certification)

Assuming appropriate placement scores, a full-time student (who begins in the fall) can complete either the CIS Certificate of Achievement or the Network Technician Certificate of Achievement in 18 months.

ECC also offers both an associate of applied science (work-ready degree) and associate of arts (transfer degree) in computer information systems.

ADMISSIONS REQUIREMENTS

Students must have completed:
✓ High school diploma or the equivalent
   (documentation must be sent to the registration office)
✓ Application for admission
✓ A placement test as specified by the college
   (some coursework requires minimum placement results

ADDITIONAL PROGRAM INFORMATION**

Standard Occupational Classification (SOC)
15-1151.00, 15-1152.00

Tuition and Required Fees
$3,366 (In-District)
$4,556 (Out-of-District)

Books and Supplies
$1,516.30

Other Fees and Expenses

Achievement: $60
Specialization: $80

**This applies to both certificate tracks

■ ROLLA
573-466-4100

■ WASHINGTON
636-239-0598

■ SULLIVAN
573-468-8287

■ UNION
636-584-6588

■ ONLINE

www.eastcentral.edu

June 1, 2016

CERTIFICATE OF ACHIEVEMENT COURSEWORK

Course		Hours
FS 1000/ FS 1001	Campus Orientation/ Foundation Seminar	1
COM 1103	Public Speaking	3
CS 1003	Microcomputer Applications	3
CS 1063	Microcomputer Operations F	3
CS 1183	Project Management F	3
CS 1073	Internet Programming F	3
CS 1233	Operating Systems (Microsoft) S	3
CS 1093	C# Programming S	3
CS 2003	Database Structure	3
CS 2881	Program Capstone-CIS	1

Students must also complete FOUR of the CIS Elective

Course		Hours
CS 1153	Network 1 (Cisco) F	3
CS 1163	Network 2 (Cisco) S	3
CS 2193	Network 3 (Cisco) F	3
CS 2203	Network 4 (Cisco) S	3
CS 2143	Network Server 1 F	3
CS 2233	Security+ and SSCP S	3
	Total Hours	**38**

TO CONVERT THIS CERTIFICATE OF ACHIEVEMENT INTO AN ASSOCIATE OF APPLIED SCIENCE DEGREE, STUDENTS WILL NEED:

Course		Hours
CS 2073	CIS Internship	3
HI 1000/ PS 1000	Constitutions Study Module	0
	History or Political Science Requirement	3
	English Requirement	3
	Ethics and Social Responsibility Requirement	3
	Math Requirement (Intermediate Algebra or higher)	3
	Biological or Physical Science Requirement (recommended with Lab)	3-5
	CIS Elective (remaining elective from certificate)	3
	CIS Elective (remaining elective from certificate)	3
	Total Hours	**24-26**

NETWORK TECHNICIAN CERTIFICATE OF ACHIEVEMENT COURSEWORK

Course		Hours
FS 1000/ FS 1001	Campus Orientation/ Foundation Seminar	1
COM 1103	Public Speaking	3
CS 1003	Microcomputer Applications	3
CS 1063	Microcomputer Operations F	3
CS 1153	Network 1 (Cisco) F	3
CS 1183	Project Management F	3
CS 1163	Network 2 (Cisco) S	3
CS 1233	Operating Systems (Microsoft) s	3
CS 1073	Internet Programming F	3
CS 2193	Network 3 (Cisco) F	3
CS 2203	Network Server 1	3
CS 2203	Network 4 (Cisco) S	3
CS 2233	Security+ and SSCP S	3
CS 2881	Program Capstone-CIS	1
	Total Hours	**38**

TO CONVERT THIS CERTIFICATE OF ACHIEVEMENT INTO AN ASSOCIATE OF APPLIED SCIENCE DEGREE, STUDENTS WILL NEED:

Course		Hours
CS 2073	CIS Internship	3
CS 1093	C# Programming S	3
CS 2003	Database Structure	3
HI 1000/ PS 1000	Constitutions Study Module	0
	History or Political Science Requirement	3
	English Requirement	3
	Ethics and Social Responsibility Requirement	3
	Math Requirement (Intermediate Algebra or higher)	3
	Biological or Physical Science Requirement (recommended with Lab)	3-5
	Total Hours	**24-26**