

### **East Central College**

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### **Admissions Office**

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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**

Because East Central College is a Cisco Networking Academy, it is able to offer specially-designed curriculum for training technicians on this equipment. Furthermore, upon completion of the coursework, students are prepared to take the:

- CCNA (Cisco Certified Network Associate) exam
- Network+ exam (CompTIA's certification)

The academic plan focuses on a wide range of fundamentals and product-specific technology such as database and application software. Classes in networking technology, operating systems and client-server development tools prepare students for employment in several areas of the computer technology and information field. ECC graduates with their AAS degree or certificate in computer information systems have the knowledge and skills they need to obtain industry-recognized certification.

### **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)

### **TRANSFER OPTIONS**

The AAS degree is designed for students seeking employment immediately upon graduation. However, many of the credits, particularly the general education electives received with this degree, may qualify as transfer credit at four-year schools.

These decisions are made solely by the bachelor degree-granting institution, not East Central. Students seeking to transfer are advised to contact the institution of their choice before beginning a program or reviewing other degrees and coursework offered through ECC.

# COMPUTER INFORMATION SYSTEMS

## ASSOCIATE OF APPLIED SCIENCE

### PROGRAM OF STUDY

AAS Program (62-64 credit hours)

This program of study is for a full-time student; part-time study is also available. Please contact an academic advisor for full course options. All academic schedules are subject to change. Many of these courses are also part of the CIS Certificate of Achievement program and the Network Technician Certificate of Achievement program.

For the most current schedule or to view our Certificate Program, visit [www.eastcentral.edu](http://www.eastcentral.edu).

## YEAR 1

### FALL SEMESTER

COURSE	HOURS
FS 1000 Campus Orientation/ FS 1001 Foundation Seminar	1
EN 1223 English Comp I or EN 1233 Honors English Comp I	3
CS 1003 Microcomputer Applications	3
CS 1063 Microcomputer Operations <sup>F</sup>	3
CS 1153 Network 1 (Cisco) <sup>F</sup>	3
CS 1183 Project Management <sup>F</sup>	3
<b>Total Hours</b>	<b>16</b>

### SPRING SEMESTER

COURSE	HOURS
CS 1093 C# Programming <sup>S</sup>	3
CS 1163 Network 2 (Cisco) <sup>S</sup>	3
CS 1233 Operating Systems (Microsoft) <sup>S</sup>	3
COM 1103 Public Speaking	3
Ethics & Social Responsibility Elective	3
<b>Total Hours</b>	<b>15</b>

## YEAR 2

### FALL SEMESTER

COURSE	HOURS
CS 2143 Network Server 1 <sup>F</sup>	3
CS 2193 Network 3 (Cisco) <sup>F</sup>	3
CS 1073 Internet Programming <sup>F</sup>	3
MT 1303/ MT 1403 Intermediate Algebra or College Algebra	3
HI 1000/ PS 1000 Constitutions Study Module	0
History or Political Science Requirement	3
<b>Total Hours</b>	<b>15</b>

### SPRING SEMESTER

COURSE	HOURS
CS 2003 Database Structure	3
CS 2233 Security+ and SSCP <sup>S</sup>	3
CS 2203 Network 4 (Cisco) <sup>S</sup>	3
CS 2073 CIS Internship	
CS 2881 Program Capstone-CIS	1
Biological or Physical Science Requirement (recommended with lab)	3-5
<b>Total Hours</b>	<b>16-18</b>

<sup>F</sup> Course is only available during Fall semester  
<sup>S</sup> Course is only available during Spring semester