

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)
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THE CAREER

Computer information systems is an integral part of business life. Information technology supports the transmission, security and analysis of information so that business and health systems work smoothly. The many and varied career opportunities help individuals and businesses share and store information through computer networks, systems, databases and the Internet.

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

- ✓ Business Operations Specialist
- ✓ Computer and Information Systems Managers
- ✓ Computer Software Engineers (applications or systems software)
- ✓ Computer Systems Analysts
- ✓ Database Administrators
- ✓ Network, Computer and Health Systems Administrators
- ✓ Network Systems and Data Communications Analysts

THE PROGRAM

This degree plan is designed for ECC students who wish to pursue a baccalaureate degree in computer information systems or a related field. Assuming appropriate placement scores, CIS is a two-year degree, with flexibility to customize the program toward the student's chosen career.

This academic plan consists of the 42-credit hour general education core required of all transfer degrees. It also includes the three-course accounting sequence preferred at transfer institutions and introductory courses in networking, database and programming. In addition, East Central provides various student activities, organizations and practicum experiences related to the discipline.

For students interested in workforce preparation programs, ECC also offers an associate of applied science degree and certificate options in computer information systems.

GENERAL EDUCATION REQUIREMENTS

East Central College requires each transfer student complete a 42 hour general education block. General education at ECC is organized around the institution's common learning objectives and coursework. A student is required to demonstrate skills in each of the following three areas:

- **Communicating:** Improve written and oral communication skills; adapt and apply communication to academic and professional purposes, audiences and contexts; demonstrate the use of technology to analyze and communicate information; and use active listening and reading skills.
- **Creative/Critical Thinking:** Improve the application of relevant knowledge and theory to new ideas, positions or solutions; assess and analyze concepts and data; formulate meaningful questions; and interpret and evaluate evidence and arguments.
- **Ethics and Social Responsibility:** Develop cross cultural awareness and an understanding of global interconnectedness; apply multiple worldviews, analyze ethical choices and consequences; and understand the core values and accountability of citizenship in a democratic society.

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

Many of the credits, particularly the general education electives earned with this degree, are accepted as transfer credits by four-year colleges and/or universities. Please note that transferring credit is decided by the bachelor degree-granting institution.

Students seeking to transfer should communicate often with their faculty advisors and the East Central College transfer advisor. They should also make early contact with the four-year institution of their choice regarding the transferability of ECC credits and coursework.

COMPUTER INFORMATION SYSTEMS

ASSOCIATE OF ARTS

PROGRAM OF STUDY

AA program 63 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. For the most current schedule visit 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
MT 1403 College Algebra	3
CS 1003 Microcomputer Applications	3
CS 1153 Network 1 (Cisco) ^F	3
AC 1003 Financial Accounting I	3
Total Hours	16

SPRING SEMESTER

COURSE	HOURS
EN 1333/ EN 1343 English Comp II or Honors English Comp II	3
COM 1103 Public Speaking	3
AC 1023 Financial Accounting II	3
CS 2003 Database Structure	3
HI 1000/ PS 1000 Constitutions Study Module	0
History or Political Science Requirement	3
Ethics & Social Responsibility Elective	3
Total Hours	18

YEAR 2

FALL SEMESTER

COURSE	HOURS
AC 1043 Managerial Accounting	3
EC 2103 Principles of Macroeconomics	3
PHL 2103 Ethics	3
PY 1103 General Psychology	3
Biological Science Requirement*	3-5
Total Hours	15-17

SPRING SEMESTER

COURSE	HOURS
CS 1093 C# Programming ^S	3
EC 2203 Principles of Microeconomics	3
Physical Science Requirement*	3-5
Ethics & Social Responsibility Elective	3
Total Hours	12-14

*Either the Life Science or Physical Science requirement must contain a lab: SC 1000 Laboratory Safety for students must be taken with lab
F Course is only available during Fall semester
S Course is only available during Spring semester