



Computer and Information Science

Associate of Applied Science Degree

2011-2012

The Associate of Applied Science Degree in Computer and Information Science prepares graduates for entry-level positions in areas of these rapidly developing technical fields. Courses in a variety of computer and information science topics offer students the opportunity to focus on the area of their interest and skills.

Program Objectives:

Upon completion of this program, the graduate will be able to:

1. demonstrate computer literacy to function in a business environment using office productivity software.
2. classify, install, and apply maintenance strategies of computer hardware.
3. display professionalism and apply basic business principles.
4. demonstrate professional communication skills and promote team work and leadership abilities.
5. characterize stages of the Software Development Life Cycle (SDLC).
6. demonstrate the fundamentals of logical problem solving, decision making, and quantitative skills.
7. apply procedural and objective-oriented programming techniques.
8. apply troubleshooting strategies and techniques (including research tools) to resolve microcomputer hardware and software components.
9. apply the concepts of database management systems.
10. describe various network operating systems and network components including protocols, topologies, and standards.
11. design, create, and maintain standards-compliant web pages using web programming languages and design tools.
12. evaluate ethical issues and form articulated opinions arising from new technologies currently flooding the IT market.

Admission Requirements:

All candidates for admission must pass the College's entrance examination with a composite score of 50 or above and have a Wonderlic score of 18 or above. Each candidate for admission is considered individually on merit and potential.

Graduation Requirements:

A grade of "C" or better must be achieved in all classes in order to be eligible to graduate. The department assessment process must be satisfactorily completed.

Major:		Quarter Hours:
BUS	106 Introduction to Business	4
CIS	111 Personal Computer Hardware	4
CIS	112 Essentials of Information Technology	4
CIS	113 Introduction to Programming	4
CIS	114 Computer Usage and Software Applications	4
CIS	120 Web Design	4
CIS	151 Introduction to DOS	4
CIS	155 Java Programming	4
	-or-	4
CIS	220 Web Programming	4
CIS	171 Computer Support Services	4
CIS	181 Windows Desktop Administration	4
CIS	202 Systems Analysis and Design	4
CIS	208 Database Management	4
CIS	218 Network Communications	4
	Total Hours	52

General Education:		Quarter Hours:
BUS	201 Professional Development	4
ENG	109 Principles of Speech	4
	-or-	4
ENG	120 Interpersonal Communications	4
ENG	116 Composition	4
ENG	117 Advanced Composition	4
HUM	110 Human Potential	4
MAT	140 College Algebra	4
	Total Hours	24

Lower-Division Electives:		Quarter Hours:
Choose any lower-division CIS courses (118 or higher)		16
	Total Hours	16

Total Hours Required for Degree **92**



Computer and Information Science, Associate of Applied Science Degree

Award Year:	2009-2010
OPEID #:	004568
CIP Code:	11.0101
Credential Level:	02 Associate Degree

Occupations Related to this program

Job Title:	SOC code:
Computer and Information Systems Managers	11-3021.00
Computer and Information Scientists, Research	15-1011.00
Computer Systems Analysts	15-1051.00
Informatics Nurse Specialists	15-1051.01
Database Administrators	15-1061.00
Network and Computer Systems Administrators	15-1071.00
Network Systems and Data Communications Analysts	15-1081.00
Telecommunications Specialists	15-1081.01
Computer Specialists, All Other	15-1099.00

Estimated Program Costs

Tuition & fees:	\$32,325.00
Books & supplies:	\$2,850.00
Room & board:	not applicable
Other:	\$0.00

Percent of graduates who completed program on time*:	not reported
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Job placement rate:	100%
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Median Loan Debt*

Title IV loan debt:	not reported
Private Educational loan debt:	not reported
Institutional Financed debt:	not reported

* Due to privacy reasons, median loan debt and on-time completion rate will not be reported for programs with fewer than 10 graduates during the award year.