

ACADEMIC CERTIFICATE

Computer Information Systems

CPG.CT

CODE	COURSE	CREDITS	CODE	COURSE	CREDITS
First Year/First Semester			Second Semester		
ENG-101	English Composition I	3	ACC-105	Managerial Accounting	3
ACC-104	Financial Accounting	3	CIS-102	Spreadsheets	3
CSC-101	Computer Literacy or		CIS-181	Linux/UNIX Essentials	3
CSC-206	Advanced Computer Concepts & Applications ¹	3	CST-102	Introduction to Networking	3
CSC-171	Introductory Python Programming	3	MTH.....	Mathematics General Education Elective ²	3/4
MGT-101	Introduction to Business	3			15/16
		15		Total Minimum Credits	30

¹ CSC-101 is a pre-requisite for CIS-206.

² Prerequisites listed with the course descriptions must be met for all mathematics elective. Mth-111 Introduction to Statistics is recommended but not required. Rutgers and Rowan requires this course for transfer in this major.

PROGRAM DESCRIPTION

This certificate program develops software solutions to meet the growing demand for individuals skilled in the development and management of information systems. Students learn how to determine information needs, design appropriate information systems, manage those systems, and measure the systems' performance. It prepares students for careers in a rapidly changing technological world by training them to analyze business and organizational problems, challenges, and opportunities and to subsequently design, develop, implement and maintain computing solutions through the use of information and information technology.

PROGRAM GOALS

- To provide students with programming and software application skills for use in both information systems and business environment.
- To provide students with the software development skills required to solve information systems problems in a business or organizational computing environment.
- To equip students with the understanding of the principles of relational databases.
- To provide students with the option to apply their credits toward the CIS.AAS degree career program and/or the MIS.AS degree transfer program.
- To prepare students to develop software solutions for business and organizational computing environment.
- To prepare students for fundamental training to gain employment in technical fields.
- To provide students with General Education courses.

PROGRAM STUDENT LEARNING OUTCOMES

- At the end of the program, the graduate will be able to:
1. Perform fundamental skills of business, programming, and application software in a business/organizational computing environment.
 2. Analyze and design information systems and database solutions to an information system problem.
 3. Implement the designed solution to solve information system problems using programming techniques and application software.

EMPLOYMENT OPPORTUNITIES

- Computer marketing representative
- Computer operator
- Lab assistant
- Quality control specialist
- Research analyst
- Software tester
- System analyst

CONTACT PERSON

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Highlight

Courses in this certificate can be applied to the degree CIS.AAS.