COMPUTER INFORMATION SYSTEMS, A.A.S.

Major Code: 0581

Computer Information Systems (CIS) focuses on the application of computers in a business environment with an emphasis on the analysis and design of business information systems. Computer information systems professionals play a key and vital role in the management and growth of an organization and they are in high demand in almost every industry.

With a CIS degree, it's less about theory and more about practical application. The Computer Information Systems (CIS) degree program here at SUNY Morrisville provides students the skills to work with companies IT systems, analyze problems and efficiently create solutions, and learn different type of technologies that should be used to solve a business problem. Students receive practical hands-on experience in interactive program development in a networked, pc-based windows programming environment. Students will develop a strong background in fundamental concepts of hardware and software as applied to computers in a business environment; programming, operating systems, systems development life cycle; use of typical software packages including word processing, spreadsheeting, and database. In addition, students will get an introduction to core business disciplines such as accounting, macroeconomics, business organization and management.

Upon completion of program requirements, students are awarded the Associate in Applied Science (A.A.S.) degree. The hands-on approach in the Computer Information Systems (CIS) A.A.S. degree's program gives our college CIS A.A.S. degree students a real-world look at their field.

Student Learning Outcomes

Upon successful completion of this program, students will be able to:

- Employ critical thinking and problem-solving skills in developing technical solution
- Apply formal design methodologies to design information systems
- Explain theories regarding the application of information technologies to the solution of business problems
- Create and modify functional, clear, concise software design and implement with current programming languages
- Demonstrate proficiency in two or more operating systems or database systems
- Create functional Web pages using scripting language
- Install, configure, troubleshoot, and administer a basic network

Curriculum Requirements

A minimum of 60 credits is required for degree completion.

Code	Title	Credits
CITA 110	Intro Information Technology	3
CITA 120	Computer Concepts & Op Sys	3
CITA 140	Introduction to Programming	3
CITA 200	Data Communications Networking	3
CITA 220	Systems Analysis	3
CITA 245	Intro to Database Concepts	3
CITA 280	Tools/Tech for Appl Devel.	3
CITA coursework as advised		9
ACCT 101	Principles of Accounting I	3
BSAD 116	Business Organization & Mgmt	3
COMM 105	Research & Communication	3
ECON 100	Introduction to Macroeconomics	3
SUNY General Education Mathematics as advised		3
SUNY General Education or Liberal Arts & Science Electives as advised		11
General Electives as advised		4
Total Credits		**60**

Suggested Course Sequence

Course	Title	Credits
Year 1		
Fall		
CITA 110	Intro Information Technology	3
CITA 140	Introduction to Programming	3
CITA Elective as advised		3
COMM 105	Research & Communication	3
SUNY General Education Mathematics as advised		3
GNED 100	First Year Experience	2
	Credits	17
Spring		
CITA 120	Computer Concepts & Op Sys	3
BSAD 116	Business Organization & Mgmt	3
SUNY General Education or Liberal Arts & Sciences Electives as advised		6
CITA Elective as advised		3
	Credits	15
Year 2		
Fall		
CITA 200	Data Communications Networking	3
CITA 220	Systems Analysis	3
CITA 245	Intro to Database Concepts	3
ECON 100	Introduction to Macroeconomics	3
ACCT 101	Principles of Accounting I	3
	Credits	15
Spring		
CITA 280	Tools/Tech for Appl Devel.	3
SUNY General Education or Liberal Arts & Sciences Electives as advised		5
General Electives as advised		4
CITA Elective as advised		3
	Credits	15
	Total Credits	**62**