

COMPUTER INFORMATION SYSTEMS, A.S.

Major Code: 1171

This program has been deactivated and students will no longer be admitted to the major. Currently enrolled students will complete the degree in accordance with the approved teach-out plan.

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.

The Computer Information Systems A.S. degree is a modification of the Computer Information Systems A.A.S. degree, designed to give the students a blend of the technical skills used by computing professionals and the business of managers in a four-year program. The additional course work ensures that the students obtain a thorough view of the modern business world and the impact of information technology on modern business practices.

Upon completion of program requirements, students are awarded the Associate of Science (A.S.) degree. The hands-on approach in the Computer Information Systems (CIS) A.S. degree's program gives our CIS 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 210	Visual Languages & Devel Tools	3
CITA 150	Data Management Techniques	3
CITA as advised		3
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
BSAD 116	Business Organization & Mgmt	3
COMP 101	Composition and Research	3
COMP 102	Writing About Literature	3
ECON 100	Introduction to Macroeconomics	3
MATH 151	General Calculus A	3
MATH as advised		3
Liberal Art & Science Elective (as advised)		8
General Electives (as advised)		12
Total Credits		65

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
COMP 101	Composition and Research	3
MATH 151	General Calculus A	3
GNED 100	First Year Experience	2
	Credits	17
Spring		
ACCT 101	Principles of Accounting I	3
BSAD 116	Business Organization & Mgmt	3
CITA 120	Computer Concepts & Op Sys	3
CITA 150	Data Management Techniques	3
COMP 102	Writing About Literature	3
	Credits	15
Year 2		
Fall		
ACCT 102	Principles of Accounting II	3
CITA 210	Visual Languages & Devel Tools	3
CITA 220	Systems Analysis	3
ECON 100	Introduction to Macroeconomics	3
Math (as advised)		3
	Credits	15
Spring		
Liberal Arts & Sciences Elective as Advised		3
General Electives as Advised		12
	Credits	15
	Total Credits	62