

Programs

Computer Information Systems, B.S.

(51 credits)

The Bachelor of Science in Computer Information Systems, under the Tagliatela School of Business and Leadership, is designed to develop students' skills across a wide range of technology-oriented disciplines. By studying a variety of technology applications, students gain the ability to effectively implement and lead organizations through the selection, integration and end-user support required of IT professionals.

Upon completing the program of study in Computer Information Systems, students will:

- Identify the principal concepts, theories, and practices in the functional areas of technology and information systems.
- Recognize ethical principles in information technology and apply them to organizational decision making.
- Demonstrate competence in interpersonal skills, oral and written communication, leadership and teamwork appropriate for my chosen field.
- Utilize critical thinking and problem solving skills to solve technology and business problems.
- Demonstrate responsible behaviors in a digital world.
- Demonstrate the ability to integrate the various components of information technology into a functional whole.

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MAJOR REQUIREMENTS

REQUIRED CORE (39 credits)

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|---------|------------------------------------|
| BE 135 | Business Communications |
| MG 142 | Introduction to Project Management |
| CIS 150 | Computer Hardware Fundamentals |
| CIS 160 | Programming with Python |
| CIS 171 | Business Spreadsheet Development |
| CIS 172 | Database Development |
| CIS 250 | Windows Operating System |
| CIS 270 | Linux Operating System |

- CIS 282 Computer Networks
CIS 286 Internet and Web Publishing
CIS 330 Issues in Computer Ethics
CIS 379 Management of the Information Systems Function

Select one (3 credits):

- CIS 380 Internship
CIS 393 Senior Computer Project

FLEXIBLE CORE (12 credits)

Select four (12 credits):

- AR 113 Three-Dimensional Design
AR 114 Graphic Design I
AR 201 Introduction to Computer Art
AR 214 Graphic Design II
CIS 110 Contemporary Issues in Computer Information Systems
CIS 112 Introduction to Cybersecurity
CIS 115 Computer Essentials
CIS 210 Data Privacy and Digital Security
CIS 221 Security Auditing and Risk Assessment
CIS 231 Legal Issues in Cybersecurity
CIS 252 Special Topics
CIS 261 The Power and Pitfalls of Artificial Intelligence (A.I.)
CIS 276 Systems Analysis and Design
CIS 301 Technology and the Arts
CIS 315 Healthcare and Information Systems
CIS 320 Computer Forensics I
CIS 321 Computer Forensics II
CIS 331 Incident Management and Response
CIS 385 Information Systems Security
CIS 390 Independent Study

WRITING IN THE DISCIPLINE DESIGNATED COURSE

CIS 330

Issues in Computer Ethics