

M.S. INFORMATION SYSTEMS

OVERVIEW

The Master of Science in Information Systems program (M.S.I.S.) is designed to meet the needs of three distinct groups:

1. Students with a baccalaureate degree in Information Systems;
2. Students with a baccalaureate degree in another area who have information systems skills and desire to develop new career skills in Information Systems; or
3. Students with a baccalaureate degree in another area who lack information systems skills and desire to develop new career skills in Information Systems.

Students should select an advisor and discuss the courses required for their degree early in their graduate program.

The M.S.I.S. requires completion of at least 30 (33 with thesis) hours of graduate credit. Students may choose to do a thesis as part of this degree program. The degree is offered online, face-to-face, or a combination of the preceding two formats.

Program Level Student Learning Outcomes

The student will be able to:

- Communicate effectively for decision making in a variety of professional contexts
- Design holistic computing solutions to address business problems
- Recognize the ethical challenges in the use of information systems

Entry Requirements

Students will be admitted into the MS Information Systems program by the program faculty once the following application criteria are met:

1. Students with a bachelor's degree in information systems or computing disciplines:
 - a. Successful admission to graduate school.
2. Students with a bachelor's degree not in information systems or computing disciplines:
 - a. Successful admission to graduate school (and)
 - b. Some prerequisite knowledge may be needed.

Master of Science in Information Systems - Accounting Information Systems and Control Program Requirements

Code	Title	Credit Hours
CIS 5304	Telecommunications for Managers	3
CIS 5307	Systems Analysis for Managers	3
CIS 5311	Managing Information Systems	3
CIS 5316	Advanced Database Management	3
CIS 5351	Information Technology Project Management	3
CIS 5353	Data Analytics and Management ¹	3

CIS 5090	Computer Information Systems Comprehensive Examination	0
ACCT 5310	Advanced Accounting Systems	3
ACCT 5340	Ethics in Accounting	3
ACCT 5350	Forensic Accounting	3
ACCT 5360	Information Technology Audit	3
Total Credit Hours		30

¹ Designated research course for the program

Master of Science in Information Systems - Applied Data Analytics Program Requirements

Code	Title	Credit Hours
CIS 5304	Telecommunications for Managers	3
CIS 5307	Systems Analysis for Managers	3
CIS 5311	Managing Information Systems	3
CIS 5316	Advanced Database Management	3
CIS 5351	Information Technology Project Management	3
CIS 5353	Data Analytics and Management ¹	3
CIS 5090	Computer Information Systems Comprehensive Examination	0
Approved graduate-level Elective		3
CIS 5355	Visual Analytics	3
CIS 5357	Applied Machine Learning	3
CIS 5356	Web & Social Analytics	3
Total Credit Hours		30

¹ Designated research course for the program

Master of Science in Information Systems - Cybersecurity Program Requirements

Code	Title	Credit Hours
CIS 5304	Telecommunications for Managers	3
CIS 5307	Systems Analysis for Managers	3
CIS 5311	Managing Information Systems	3
CIS 5316	Advanced Database Management	3
CIS 5351	Information Technology Project Management	3

CIS 5353	Data Analytics and Management ¹	3
CIS 5370	Foundations of Information Security	3
CIS 5371	Enterprise Cybersecurity Management	3
CIS 5372	Network and Systems Security	3
CIS 5373	Digital Forensics	3
CIS 5090	Computer Information Systems Comprehensive Examination	0
Total Credit Hours		30

CIS 5090	Computer Information Systems Comprehensive Examination	0
Approved graduate-level CIS electives		12
Total Credit Hours		30

¹ Designated research course for the program

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Master of Science - Information Systems With Thesis Program Requirements

Code	Title	Credit Hours
CIS 5304	Telecommunications for Managers	3
CIS 5307	Systems Analysis for Managers	3
CIS 5311	Managing Information Systems	3
CIS 5316	Advanced Database Management	3
CIS 5351	Information Technology Project Management	3
CIS 5353	Data Analytics and Management ¹	3
CIS 5398	Computer Information Systems Thesis	6
Approved graduate-level CIS electives		9
Total Credit Hours		33

¹ Designated research course for the program

Master of Science - Information Systems Without Thesis Program Requirements

Code	Title	Credit Hours
CIS 5304	Telecommunications for Managers	3
CIS 5307	Systems Analysis for Managers	3
CIS 5311	Managing Information Systems	3
CIS 5316	Advanced Database Management	3
CIS 5351	Information Technology Project Management	3
CIS 5353	Data Analytics and Management ¹	3