

Curriculum: Master of Science in Information Technology

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

Effective September 2014

(30 Credits)

Required Courses

(18 Credits)

<u>Course</u>	<u>Title</u>	<u>Prerequisite</u>
CS 603†*	Algorithmic Thinking with Java	None
CS 605	Data Management and SQL for Analytics	None
CS 607†*	Cybersecurity	None
CS 610	Enterprise Architecture	None
CS 620*	Software Project Management	CS602 or CS603, CS 605, and CS610
CS 630**	Systems Analysis and Design	CS603 and CS605

CS Elective

(3 Credits)

<u>Course</u>	<u>Title</u>	<u>Prerequisite</u>
CS 602	Data-Driven Development with Python	None
CS 612*	Cloud-Based Enterprise Applications	CS602 or CS603, and CS605
CS 650*	Data Analytics Architectures with Big Data	CS602 and CS605
CS 680	Mobile Application Development	CS603 and Pre or Co-Req: CS605
CS 703	Looking into the Future: Automation & Digital Technologies	None
CS 733	Artificial Intelligence Techniques & Applications	CS602 and CS605
CS 740**	Network and Systems Security	CS607 or CS610 or Instructor Permission
CS 753	Business Intelligence Methods & Technologies	CS605
CS 795	Special Topics Seminar	Varies with content
CS 801**	IT Policy and Management	None
CS 881	MSDI Internship	CS603, CS605, CS607 & Program Director's Permission

Information Systems & Technology Elective

(3 credits)

Select one CS, IPM, or HFID course.

Unrestricted Electives

(6 Credits)

Select any two McCallum Graduate School courses at the 600-level or higher.

ADVISING GUIDANCE

- All course work must be completed within five years.
- All course prerequisites must be satisfied. Please note that the stated prerequisites of a course may also have a prerequisite that must be satisfied.
- All courses are 3 credits unless otherwise noted.
- †Students who have completed comparable coursework may be eligible to substitute electives for CS 603 and/or CS 607. Any non-CS 600, 700 or 800 level elective must be approved by the MSDI Director.
- A minimum of eighteen CS credits must be included in one's total program.
- *Course title change September 2019.
- **Courses no longer offered after Spring 2019. Students who need CS 630 may take a CS elective at the 600 level or higher as a substitute.