

# INFORMATION TECHNOLOGY MANAGEMENT, CAS (NO LONGER ADMITTING STUDENTS)

## Contact

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## Website

<https://ischool.syr.edu/academics/certificate-of-advanced-study-in-information-technology-management/>

## Overview

Information technology management has become critical to most, if not all professions and organizations. This 15-credit graduate certificate program in Information Technology Management (ITM) offers students with a broad range of disciplinary backgrounds a flexible way to gain foundational skills in information technology management and qualify for a possible subsequent entry into an MS in Information Systems (IS) or MS in Applied Data Science (ADS). With this program, students can expand their career options and gain a competitive advantage as they pursue career opportunities in business, government, or not-for-profit organizations. The program is available to full-time, part-time, and online students, and can be completed at the student's own pace through evening, short courses, and online course delivery.

## Student Learning Outcomes

1. Create information systems solutions for organizations and individuals
2. Apply principles of management strategy, economics, finance, and information systems to support how organizations add value
3. Analyze implications of professional decisions from the viewpoint of fairness, accountability, transparency, and ecological sustainability
4. Explain how public policy and socio-economic forces influence professional decision-making
5. Design communications for various purposes and audiences
6. Demonstrate leadership and collaboration skills in professional practice

## Curriculum

This Certificate of Advanced Study in Information Technology Management (ITM) requires the completion of 15 credit hours, or four required classes, and one elective

Code	Title	Credits
<b>I. Required Core</b>		
IST 614	Information Technology Management and Policy	3
IST 621	Information Management and Technology	3
IST 654	Information Systems Analysis	3
IST 651	Scripting for Enterprise Data Systems	3

or IST 659 Data Administration Concepts and Database Management

<b>II. Electives</b>		
Select one of the following: <sup>1</sup>		
IST 608	Blockchain Management	3
IST 615	Cloud Management	
IST 618	Information Policy	
IST 623	Introduction to Information Security	
IST 625	Enterprise Risk Management	
IST 636	Leading Issues in Information Security	
IST 644	Managing Data Science Projects	
IST 645	Managing Information Systems Projects	
IST 649	Human Interaction with Computers	
IST 651	Scripting for Enterprise Data Systems	
IST 659	Data Administration Concepts and Database Management	
IST 671	Foundations of Research Methods in Information Studies	
IST 682	Cultural Competence for Information Professionals	
IST 687	Introduction to Data Science	
IST 690	Independent Study	
IST 719	Information Visualization	
IST 722	Data Warehouse	
IST 728	Information Security Policy	
IST 769	Advanced Big Data Management	

<sup>1</sup> A course from any graduate program at the iSchool (or at other schools on campus) that are not on this list may count as an elective but must be approved through the iSchool petition process before enrollment.

## Earn a Master's Degree

Graduates of the CAS-ITM have the option of applying all of the credits from the CAS-ITM toward the MSIS degree program. A student could also apply some of the credits from the CAS-ITM toward the MS in Applied Data Science if they choose.