INFORMATION TECHNOLOGY LEADERSHIP AND STRATEGY (MPS)

This fully online and application-oriented master's degree will provide students with a professional background in Information Technology (IT) and technology related professions, including cybersecurity, software engineering, tech support, etc. to gain the leadership, strategic thinking, and critical thinking skills necessary for advancing in their career IT leadership tracks within small, midsize, and large organizations, with an emphasis on eventually reaching executive positions in the IT field.

Curriculum

Thirty (30) credit hours are required to complete the degree.

Code	Title	Hours
Required Courses		
COMP 417	Social and Ethical Issues in Computing	3
COMP 477	IT Project Management	3
ITLS 445	Introduction to IT: Networking, Cloud & Security	3
ITLS 447	Cybersecurity Governance, Planning, and Incident Response	3
ITLS 449	Advanced Topics: Emerging Technologies	3
ITLS 451	Human-Centered Management	3
ITLS 453	Developing Strategic Plans	3
Three elective courses - 400-level or above [1]		9
Total Hours		**30**

[1] Electives will be selected from existing graduate courses (400 level or higher) at Loyola University Chicago. They will typically be chosen from SCPS (and may include courses in all graduate programs housed in SCPS) and the Computer Science Department. Electives will be determined in conjunction with the program director.

Electives

Code	Title	Hours
COMP 403	Operations Management	3
COMP 420	Software Systems Analysis	3
COMP 422	Software Development for Wireless and Mobile Devices	3
COMP 424	Client-Side Web Design	3
COMP 441	Human-Computer Interaction	3
COMP 443	Computer Networks	3
COMP 447	Intrusion Detection and Computer Forensics	3
COMP 448	Network Security	3
COMP 449	Wireless Networking and Security	3
COMP 488	Computer Science Topics	1-4
INDN 420	Instructional Design Theories and Models	3
INDN 421	Design & Development of Instructional Materials	3
INDN 430	Performance Improvement in Organizations	3
INDN 431	Fundamentals of Learning Analytics	3
INDN 440	Applications of Human Centered Design Principles	3
MPP 400	Policy Design and Analysis	3
MPP 401	Analytical Tools in Public Policy	3
MPP 403	Public Budget and Finance	3
MPP 404	Public Policy Process	3
MPP 405	Statistical Methods & Analysis for Public Policy I	3
MPP 406	Statistical Methods & Analysis Public Policy II	3
MPP 410	Special Topics in Public Policy	3
MPP 413	Intergovernmental Relations	3
PSLD 400	Introduction to Public Service	3
PSLD 401	Ethical Leadership in Public Service	3
PSLD 402	Foundations of Global Strategic Communication	3
PSLD 403	Program Management and Development	3
PSLD 404	Data, Visualization and Evaluation	3
PSLD 405	Design Thinking in Mitigating Complex Social Problems	3
PSLD 430	Understanding and Mitigating Poverty	3
PSLD 431	Foundations of Social and Sustainable Development	3
PSLD 432	Gender Diversity & Sustainable Social Development	3
PSLD 433	Social Analysis Inequality Poverty and Development	3

Suggested Sequence of Courses

The below sequence of courses is meant to be used as a suggested path for completing coursework. An individual student's completion of requirements depends on course offerings in a given term as well as the start term for a major or graduate study. Students should consult their advisor for assistance with course selection.

Course	Title	Hours
Year 1		
Fall		
ITLS 445	Introduction to IT: Networking, Cloud & Security	3
ITLS 447	Cybersecurity Governance, Planning, and Incident Response	3
Choose two from the list of Electives		6
	Hours	**12**
Spring		
ITLS 449	Advanced Topics: Emerging Technologies	3
ITLS 451	Human-Centered Management	3
COMP 417	Social and Ethical Issues in Computing	3
Choose one from the list of Electives		3
	Hours	**12**
Summer		
ITLS 453	Developing Strategic Plans	3
COMP 477	IT Project Management	3
Choose one from the list of Electives		3
	Hours	**9**
	Total Hours	**33**

Graduate & Professional Standards and Regulations

Students in graduate and professional programs can find their Academic Policies in Graduate and Professional Academic Standards and Regulations (https://catalog.luc.edu/graduate-professional-academic-standards-regulations/) under their school. Any additional University Policies supercede school policies.

Learning Outcomes

Upon degree completion, graduates will be able to:

1. Evaluate key policies, processes, and ethical decision making involved in the oversight of information technology within an organization in real world case studies.
2. Apply project management principles to ensure successful implementation of core IT functions, such as network management, system administration, infrastructure integration, and mobile computing in coursework.
3. Create business plans that incorporate IT strategies, employing creativity, innovation, and strategic thinking to identify opportunities, address challenges, build strong relationships, and drive organizational success.
4. Analyze key performance indicators (KPIs) to measure the impact of IT management on organizational performance in written assignments and case studies.