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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COMP 417</td>
<td>Social and Ethical Issues in Computing</td>
<td>3</td>
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<tr>
<td>COMP 477</td>
<td>IT Project Management</td>
<td>3</td>
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<td></td>
<td>Introduction to IT: Networking, Cloud &amp; Security</td>
<td>3</td>
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<td></td>
<td>Cybersecurity Governance, Planning and Incident Response</td>
<td>3</td>
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<td></td>
<td>Advanced Topics</td>
<td>3</td>
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<td></td>
<td>Human-Centered Management</td>
<td>3</td>
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<td></td>
<td>Developing Strategic Plans</td>
<td>3</td>
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<tr>
<td></td>
<td>Three elective courses - 400-level or above ^</td>
<td>9</td>
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<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>30</strong></td>
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^ 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.

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.