
<table>
<thead>
<tr>
<th>Recommended Curriculum for a Master of Science in Applied Engineering with a <strong>concentration in Information Technology</strong> (thesis and non-thesis tracks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.</td>
</tr>
</tbody>
</table>

### A. Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 7330 Information Technology Management OR TMAE 7531 Technical Management and Leadership</td>
<td>Choose 1 for 3 credits</td>
</tr>
<tr>
<td>TMAE 7530 Research in Applied Engineering</td>
<td>3 credits</td>
</tr>
<tr>
<td>TMAE 7532 Global Technology</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

### B. Restricted Electives

Restricted electives at or above the 5000 level as contracted with the faculty advisor and degree coordinator. Examples include but are not limited to:

- IT 5090G Selected Topics in Information Technology
- IT 5135G Data Analytics
- IT 5235G Advanced Web Interfaces
- IT 5236G Mobile Web Infrastructure
- IT 5434G Network Security Fundamentals
- IT 7090 Selected Topics in Information Technology
- CISM 7231 ERP Business Process Analysis Using SAP
- CISM 7331 Enterprise Systems Analysis
- CISM 7335 Business Intelligence & Performance Management Systems
- CISM 7431 Project Management
- WRIT 5930G Technical Writing
- Other graduate level courses as approved by the major professor

Choose 5 for 15 credits

### C. Capstone Activity

**Thesis Track:**

- TMAE 7999 Thesis: 6 credits

**Or Non-Thesis Track:**

- TMAE 7891 Independent Study: 6 credits

Choose a 6th Restricted Elective from the above list

**TOTAL:** 30 credits

---

1. May be taken more than once under different topics
2. Requires permission of the Director of Graduate Programs for the College of Business
3. Requires permission of the Department of Writing and Linguistics