WPI / Business School  
Curriculum Plan for Master of Science in 
INFORMATION TECHNOLOGY  
(11 courses, 33 credits)  
All courses are 3 credits each

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<tr>
<th>NAME</th>
<th>DATE ADMITTED</th>
<th>ADVISOR</th>
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**Suggested sequence for students entering Fall 2022**

**Proposed Course of Study:**

<table>
<thead>
<tr>
<th>COURSE NUMBER &amp; TITLE</th>
<th>SEMESTER</th>
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Courses where day of the week is noted are on campus. Where only semester is noted, courses are online.

**REQUIRED CORE COURSES (3)**

| MISS 502 Data Management for Analytics | Fall / Spring – Mon. 6 – 9 PM |
| MIS 581 Policy and Strategy for Information Technology and Analytics | Spring |
| MIS 584 Business Intelligence | Fall 22 – Mon. 6 – 9 PM or online / Spring |

*MSIT students must complete two, three-course specialties, selected from the following:*

**SPECIALTY IN INFORMATION SYSTEMS DESIGN**

| MISS 571 Database Applications Design and Development | Spring |
| MISS 582 Information Security Management | Spring |
| MISS 585 User Experience Design | Fall |

**SPECIALTY IN DATA ANALYTICS**

| MISS 587 Business Applications in Machine Learning | Fall |
| MKT 568 Data Mining Business Applications | Spring |

*Select one of the following:*

| MKT 562 Marketing Research | Fall |

**SPECIALTY IN DIGITAL TRANSFORMATION**

| MISS 500 Innovating with Information Systems | Fall |
| OIE 501 Operations Management | Fall - Thurs. 6 – 9 / Spring |

*Recommended for students with no operations background*

| OIE 544 Supply Chain Analysis and Design | Fall |
| OIE 558 Designing and Managing Lean and Six-Sigma Processes | Spring |

*Select one of the following:*

| MIS 576 Project Management | Fall & Spring |

**SPECIALTY IN IT USER EXPERIENCE**

| MKT 561 Consumer Behavior and Analytics | Fall |
| MISS 583 User Experience Applications | Spring |
| MISS 586 User Experience Methods | Fall |

*over*
MSIT students must complete a two-course capstone project experience as follows:

<table>
<thead>
<tr>
<th>COURSE NUMBER &amp; TITLE</th>
<th>CREDIT HOURS</th>
<th>TRANSFER</th>
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<tbody>
<tr>
<td>OBC 505 Teaming and Organizing for Innovation</td>
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<tr>
<td>MIS 573 Systems Design and Development</td>
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**Additional recommendation for on campus, international MSIT students:**

On campus, international students are encouraged to complete up to three additional credits of internship to ensure their readiness for employment in the U.S.

If you have been awarded transfer credit, list the approved courses and credit hours allowed below.

(Do not complete below this line)

(To be completed by Advisor)

I have reviewed the Curriculum Plan above and agree that it comprises an acceptable program of study for the degree of Master of Science in Information Technology.

**ADVISOR’S SIGNATURE:**

**DATE:**

Important Note to Advisors: Once approved, please return the Curriculum Plan to the Executive Director of Business Programs.