

**WPI / Business School**  
*Curriculum Plan for Master of Science in*  
**INNOVATION WITH USER EXPERIENCE**  
 (11 courses, 33 credits)  
*All courses are 3 credits each*

NAME \_\_\_\_\_

DATE ADMITTED Suggested sequence for students entering Fall 2022 \_\_\_\_\_

ADVISOR \_\_\_\_\_

Proposed Course of Study: COURSE NUMBER & TITLE SEMESTER  
*Courses where day of the week is noted are on campus. Where only semester is noted, courses are online.*

**REQUIRED COURSES (3)**

|                         |           |
|-------------------------|-----------|
| MIS 583 UX Applications | Spring 23 |
| MIS 585 UX Design       | Fall 22   |
| MIS 586 UX Methods      | Fall 22   |

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

**SPECIALTY IN BRANDS, PRODUCTS, AND CONSUMERS (Select any 3)**

|   |                                |
|---|--------------------------------|
| MKT 500 Marketing Strategy              | Fall – Tues. 6 – 9 PM / Spring |
| MKT 561 Consumer Behavior and Analytics | Fall                           |
| MKT 569 Product and Brand Management    | Spring                         |

**SPECIALTY IN SYSTEM DESIGN (Select any 3; the first three are online; the others, which are not Business School courses, may not be available online)**

|  |  |
|--|--|
| MIS 500 Innovating with Information Systems                                      | Fall   |
| MIS 571 Database Applications Design and Development                             | Spring   |
| MIS 582 Information Security Design and Management                               | Spring   |
| IMGD 5000 Game Design Studio   | Fall 22 – Wed. 2 – 5 PM / Spring 23 – Fri. 12 – 3 PM |
| IMGD 5300 Design of Interactive Experiences                                      | offered every other year – next Fall 23              |
| RBE/CS 526 Human-Robot Interaction   | Fall 22 – Mon./Thur. 2 – 3:20 PM                     |
| RBE 595 Synergy of Human and Robot Systems multiple offerings on campus & online | Fall & Spring  |
| WR 513 Ethical Impact and Communication in Robotics and AI Research              | Spring – Wed. 2 – 5 PM                               |

**SPECIALTY IN APPLIED ANALYTICS (Select any 3)**

|   |   |
|---|---|
| MIS 502 Data Management for Analytics             | Fall / Spring – Mon. 6 – 9 PM           |
| MIS 584 Business Intelligence                     | Fall – Mon. 6 – 9 PM or online / Spring |
| MIS 587 Business Applications in Machine Learning | Fall                                    |

OIE 559 Advanced Prescriptive Analytics: From Data to Impact Fall 22 / Mon/Thurs 2:00 – 3:50 pm  
8/24/2022 – 10/13/2022 (7 weeks)

DS 501 Introduction to Data Science multiple offerings on campus & online Fall & Spring

DS 502 Statistical Methods for Data Science multiple offerings on campus & online Fall & Spring  
*or*

MA 511 Applied Statistics for Engineers and Scientists Fall 22 & Spring 23 – Mon. 5:30 – 8:30 PM

**SPECIALTY IN ORGANIZING AND MANAGING INNOVATION (Select any 3)**

FIN 500 Financial Management Fall / Spring – Thur. 6 – 9 PM

ETR 500 Entrepreneurship and Innovation Fall

ETR 593 Technology Commercialization Fall

MIS 576 Project Management Fall & Spring

OBC 533 Negotiations Spring – Wed. 6 – 9 PM

OBC 537 Leading Change Fall

MSIUX students must complete a two-course capstone project experience as follows:

OBC 505 Teaming and Organizing for Innovation Fall / Spring – Tues. 6 – 9 PM

MIS 573 Systems Design and Development Spring

**Additional recommendation for on campus, international MSIUX 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.

| <b>COURSE NUMBER &amp; TITLE</b> | <b>CREDIT HOURS</b> | <b>TRANSFER</b> |
|----------------------------------|---------------------|-----------------|
|----------------------------------|---------------------|-----------------|

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|  |  |  |

(Do not complete below this line)

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(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 Innovation with User Experience.

**ADVISOR'S SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

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