# Curriculum Plan (11 courses, 33 credits)

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<tr>
<th>STUDENT NAME</th>
<th>STUDENT ID</th>
<th>ADVISOR</th>
<th>START TERM</th>
<th>Fall 2023</th>
<th>Spring 2024</th>
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<td>Required Courses</td>
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<td>On campus (7 wk: D Term)</td>
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<tr>
<td>MIS 510 Business Application of Blockchain Tech [New Spring 2024]</td>
<td>On campus (7 wk: D Term)</td>
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<td>MIS 520 Artificial Intelligence and its Business Applications [New Spring 2024]</td>
<td>On campus (7 wk: C -Term)</td>
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<td>MIS 587 Business Applications in Machine Learning</td>
<td>Hybrid</td>
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**MSBA students must complete two, three-course specialties, selected from the following:**

### Specialty in Advanced Financial Mathematics (select 3)

Choose one of the below:

- FIN 530 Cryptocurrencies and Financial Markets [New Fall 2023]
  - On campus (7 wk: B term)
  - On campus (7 wk: B term)

Choose two of the below:

- MA 571 Financial Mathematics I
- MA 572 Financial Mathematics II
- MA 573 Computational Methods of Financial Mathematics
- MA 574 Portfolio Valuation and Risk Management
- MA 575 Market and Credit Risk Models and Management
- MA 590 Computational Statistics

### Specialty in FinTech Analytics (select 3)

Choose one of the below:

- FIN 530 Cryptocurrencies and Financial Markets [New Fall 2023]
  - On campus (7 wk B term)
  - On campus (7 wk B term)

Choose two of the below:

- MIS 502 Data Management for Analytics
- MIS 571 Database Applications Development
- MIS 584 Business Intelligence
- OIE 559 Adv Perspective Analytics: From Data to Impact
- DS 502 Statistical Methods for Data Science
- DS 503 Big Data Management
- DS 541 Deep Learning

### SPECIALTY IN FINTECH DEVELOPMENT (select 3)

Choose one of the below:

- FIN 530 Cryptocurrencies and Financial Markets [New]
  - On campus (7 wk: B term)
  - On campus (7 wk: B term)

Choose two of the below:

- MIS 583 User Experience Applications
- CS 5007 Intro to Prog Concepts, Data Struct and Algorithms
- CS 5008 Networks and Systems
- CS 5084 Intro to Algorithms: Design and Analysis
- CS 513 Computer Networks
- CS 528 Mobile and Ubiquitous Computing
- CS 573 Data Visualization
- CS 578 Cryptography and Data Security

### REQUIRED CAPSTONE COURSES

- OBC 505 Teaming and Organizing for Innovation (any semester)
- BUS 596 Master of Science Capstone Project (taken in 2nd year)

**NOTES:**

- **COURSE DELIVERY MODES:**
  - Online Courses: All online courses offered are asynchronous.
  - On Campus Courses: Meet synchronously and in person at specific times on a weekly basis.
  - Hybrid Courses: Combine synchronous and asynchronous course delivery. On campus meeting times vary by course.
  - Please refer to WPI Business School course schedule Course offerings for AY23-24, coursellistings.wpi.edu.

\*

Creation Date: May 27, 2023, Revised 8/28/2023
• **DECLARATION OF SPECIALTY:** All incoming full-time students are required to declare a specialty, latest by add/drop of first semester. Second specialty must be declared, latest by add/drop of third semester.

• **TRANSFER CREDITS:** Students awarded transfer credit must secure approval for list the approved courses and credit hours.

• **INTERNATIONAL STUDENTS:** On campus, international students are encouraged to complete an internship for zero credits to ensure their readiness for employment in the U.S.

• **APPROVAL:** Students must have their individual curriculum plan reviewed and approved by the WPI Business School Programs Office. For more information, and approval:

  ______________________________________  ______________________________________
  Sandy Wellinghoff                        Dr. Sandhya Balasubramanian
  Sr. Director of Graduate Programs         Asst. Dean, WPI Business Programs
  SWellinghoff@wpi.edu                      SBalasubramanian@wpi.edu