## MASTER of SCIENCE in FINTECH
### Curriculum Plan (11 Courses, 33 Credits)
All Courses are 3 Credits.

<table>
<thead>
<tr>
<th>STUDENT NAME</th>
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<td>ADVISOR</td>
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<tr>
<th>Start Term</th>
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<tr>
<td>Fall 2024</td>
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### REQUIRED COURSES

<table>
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<tr>
<th>Course Title</th>
<th>Start Term</th>
<th>Campus Location</th>
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<tbody>
<tr>
<td>MIS 510 Business Application of Blockchain Tech</td>
<td>Spring 2025</td>
<td>On-Campus (Spring C Term)</td>
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<tr>
<td>MIS 520 Artificial Intelligence and its Business Applications</td>
<td>Fall 2025</td>
<td>On-Campus (B-Term)</td>
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<tr>
<td>MIS 587 Business Applications in Machine Learning</td>
<td>Spring 2026</td>
<td>On-Campus</td>
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**MS FinTech students must complete two, three-course specialties, selected from the following three specialties below.**

**FIN 530 must be chosen for one specialty and FIN 540 for the other specialty.**

### Specialty in Advanced Financial Mathematics

Choose one of the below:
- FIN 530 Cryptocurrencies and Financial Markets On-Campus (Fall B Term)
- FIN 540 Financial Analytics On-Campus (Spring C 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

Please check course offerings in Workday Academics Application and courselistings.wpi.edu

### Specialty in FinTech Analytics

Choose one of the below:
- FIN 530 Cryptocurrencies and Financial Markets On-Campus (Fall B Term)
- FIN 540 Financial Analytics On-Campus (Spring C Term)

Choose two of the below:
- MIS 502 Data Management for Analytics Online | Online | On-Campus
- MIS 571 Database Applications Development Online
- MIS 584 Business Intelligence Online | On-Campus | Online | On-Campus
- OIE 559 Adv Perspective Analytics: From Data to Impact
- DS 502 Statistical Methods for Data Science Please check course offerings in Workday Academics Application and courselistings.wpi.edu
- DS 503 Big Data Management
- DS 541 Deep Learning

### Specialty in FinTech Development

Choose one of the below:
- FIN 530 Cryptocurrencies and Financial Markets On-Campus (Fall B Term)
- FIN 540 Financial Analytics On-Campus (Spring C Term)

Choose two of the below:
- MIS 583 User Experience Applications Online | On-Campus | Online | On-Campus
- 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

Please check course offerings in Workday Academics Application and courselistings.wpi.edu

### REQUIRED CAPSTONE COURSES

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Start Term</th>
<th>Campus Location</th>
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<tr>
<td>OBC 505 Team Building and Organizing for Innovation (recommended 2nd or 3rd semester)</td>
<td>Online</td>
<td>On-Campus</td>
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<tr>
<td>BUS 596 Master of Science Capstone Project (take in 2nd year)</td>
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<td>On-Campus</td>
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Updated: February 15, 2024
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 AY24-25, courselisting.wpi.edu.

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  
Sr. Director of Graduate Programs  
SWellington@wpi.edu

Dr. Sandhya Balasubramanian  
Asst. Dean, WPI Business Programs  
SBalasubramanian@wpi.edu