

Specialization Areas and Major Prescribed Elective (MPE) Courses

Financial Analytics and WealthTech	Crypto Asset and Blockchain
<p><u>Basket 1 Courses</u></p> <ul style="list-style-type: none"> • *Data Visualisation • Machine Learning • Artificial Intelligence • Data Analytics and Mining • Natural Language Processing • Neural Networks and Deep Learning <p><u>Basket 2 Courses</u></p> <ul style="list-style-type: none"> • *Financial and Risk Analytics II • *Wealth Management • Financial Compliance • Relationship Management • Equity Investing with Big Data • Sustainable Finance 	<p><u>Basket 1 Courses</u></p> <ul style="list-style-type: none"> • *Blockchain Technology • *Distributed Systems • Security Management • Applied Cryptography • Network Security <p><u>Basket 2 Courses</u></p> <ul style="list-style-type: none"> • *Alternative Investments • Financial risk management • Financing Entrepreneurial Ventures • Portfolio Management • Operational Risk Management • Derivative Securities and Hedging Strategies
Digital Banking and Security	
<p><u>Basket 1 Courses</u></p> <ul style="list-style-type: none"> • *Cyber Threat Intelligence • Applied Cryptography • Security Management • Artificial Intelligence • Network Security <p><u>Basket 2 Courses</u></p> <ul style="list-style-type: none"> • *Financial Compliance • Financial risk management • Sustainable Finance • Operational Risk Management 	

Notes:

- Courses in Basket 1 are tailored for students to deep-dive into the hard-core computing aspects of FinTech while Basket 2 courses cater to helping students understand the finance and business side of FinTech.
- Students can choose any 5 modules (15 AUs) within or across specializations to satisfy their MPE requirements. Students can also select any courses from across the specializations to satisfy the MPE requirements. However, students would need to take at least 2 courses each from the two baskets to ensure they have balanced exposure to the computing aspect of FinTech as well as finance and business aspect.

- To qualify for a specialization, students would need to take the compulsory courses (marked with *). These compulsory courses can be used to satisfy the criteria of at least 2 courses from each basket.