

Sample Study Plan for MACS Option with CS-FYP

Plan your studies

YEAR ONE

S1: Introduction to Computational Thinking and Programming, Digital Logic, Calculus I, Linear Algebra I, Foundations of Mathematics, CC0002, CC0003

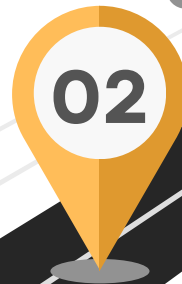
S2: Computer Organisation and Architecture, Data Structures and Algorithms, Calculus II, Linear Algebra II, Discrete Mathematics, CC0001, CC0005



YEAR TWO

S1: Algorithm Design and Analysis, Object Oriented Design & Programming, Operating Systems, Calculus III, Probability and Introduction to Statistics, CC0006

S2: Software Engineering, Introduction to Databases, Computer Networks, Introduction to DSAI, ML0004, CC0007, BDE1



YEAR THREE

S1: Communication Across the Sciences, CS-MPE1, MH-MPE1, BDE2, BDE3, BDE4

S2: Professional Internship
Exchange Immersion



YEAR FOUR

S1: CS-Final Year Project, CS-MPE2, CS-MPE3, MH-MPE2, MH-MPE3

S2: CS-Final Year Project, CS-MPE4, CS-MPE5, MH-MPE4

Specialisation:

- Cryptography and Cybersecurity
- Data Science
- Financial Modelling
- Theoretical Computer Science

Sample Study Plan for MACS Option with MAS-FYP

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S1: Introduction to Computational Thinking and Programming, Digital Logic, Calculus I, Linear Algebra I, Foundations of Mathematics, CC0002, CC0003

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03

YEAR THREE

S1: Communication Across the Sciences, CS-MPE1, MH-MPE1, BDE2, BDE3, BDE4

S2: Professional Internship
Exchange Immersion

04

YEAR FOUR

S1: CS-MPE2, CS-MPE3, MH-MPE2, MH-MPE3

S2: MAS-Final Year Project, CS-MPE4, CS-MPE5, MH-MPE4

Exchange Immersion

Specialisation:

- Cryptography and Cybersecurity
- Data Science
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