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, CC0003

S2: Computer Organisation and Architecture, Data Structures and Algorithms, Calculus II, Linear Algebra II, Discrete Mathematics, CC0001, CC0015

YEAR TWO

S1: Algorithm Design and Analysis, Object Oriented Design & Programming, Operating Systems, Calculus III, Probability and Introduction to Statistics, ML0004

S2: Software Engineering, Introduction to Databases, Computer Networks, Introduction to DSAI, CC0006, CC0007, CSL

YEAR THREE

S1: Communication Across the Sciences, CS-MPE1, MH-MPE1, MLxxxx-ICC PS, BDE1, BDE2, BDE3

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, BDE4

Specialisation:

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

Sample Study Plan for MACS
Option with MAS-FYP

Plan your studies

YEAR ONE

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

S2: Computer Organisation and Architecture, Data Structures and Algorithms, Calculus II, Linear Algebra II, Discrete Mathematics, CC0001, CC0015

YEAR TWO

S1: Algorithm Design and Analysis, Object Oriented Design & Programming, Operating Systems, Calculus III, Probability and Introduction to Statistics, ML0004

S2: Software Engineering, Introduction to Databases, Computer Networks, Introduction to DSAI, CC0006, CC0007, CSL

YEAR THREE

S1: Communication Across the Sciences, CS-MPE1, MH-MPE1, MLxxxx-ICC PS, BDE1, BDE2, BDE3

S2: Professional Internship

Exchange Immersion

YEAR FOUR

S1: CS-MPE2, CS-MPE3, MH-MPE2, MH-MPE3, BDE4

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

Exchange Immersion

Specialisation:

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