

Software Engineering and Business (Option B)

September 2024 (for students who started first year in 2021 or later)

Year 2:

Term A

NMM 2270a	Applied Mathematics for Engineering II (Formerly AM 2270a)
ECE 2277a	Digital Logic Systems
SE 2202a	Scripting Programming Language Fundamentals
SE 2205a	Algorithms and Data Structures
Math 2151a	Discrete Structures for Engineering
SS 2141a	Applied Probability and Statistics
Bus 2257	Accounting & Business Analysis

Term B

NMM 2276b	Applied Mathematics for Elec & Mech Eng III (Formerly AM 2276B)
ECE 2238b	Introduction to Electrical Engineering
SE 2203b	Software Design
SE 2250b	Software Construction
Bus 2257	Accounting & Business Analysis
One 0.5 Non-technical elective course from the approved list	

Year 3: HBA 1

Year 4:

Term A

ECE 4436a	Networking: Principles, Protocols, and Architecture
SE 3309a	Database Management Systems
SE 3316a	Web Technologies
SE 3351b	Software Project and Process Management
SE 3352a	Software Requirements & Analysis
SE 3310a	Theoretical Foundations of Software Engineering
Bus 4569	Ivey Field Project

Term B

ECE 3375b	Microprocessors and Microcomputers
Physics2300	Quantum Computation and Information
SE 3313a	Operating Systems for Software Engineering
SE 3314b	Computer Networks Applications
SE 3350b	Software Engineering Design I
SE 3353b	Human-Computer Interaction

Year 5:

Term A

SE 4450	Software Engineering Design II
SE 4452a	Software Testing and Maintenance
SE 4472a	Information Security
1.5 HBA required courses **	

Term B

SE 4450	Software Engineering Design II
SE 4455b	Cloud computing: concepts, technologies and applications
ELI 4110g	Engineering Ethics, Sustainable Development and the Law
1.5 Business electives chosen from 4000 level Business courses.	

NOTES:

Important:

Students are responsible for ensuring they have the correct courses required for their degree. If you are unsure which courses you still need or if you see courses listed on the progression sheet that are no longer offered or are not offered in the term you see listed here, please contact your Academic Counsellor. For HBA related questions, please contact the Richard Ivey School of Business. For Engineering related questions, please contact your Academic Counsellor in Engineering.

**1.5 HBA required courses:

- International Perspective Requirement: Business 4505a/b
- Corporations and Society Requirement: 0.5 course from Business Administration – Corporations and Society offered during the academic year to satisfy this requirement.
- Managerial Accounting Requirement: Business 4624a/b