

## Software Engineering and Business (Option B)

September 2025 *(for students who started first year in 2021 or later)*

<p><b><u>Year 2:</u></b></p> <p><b>Term A</b></p> <p>NMM 2270a Applied Mathematics for Engineering II (Formerly AM 2270a)</p> <p>ECE 2277a Digital Logic Systems</p> <p>SE 2202a Scripting Programming Language Fundamentals</p> <p>SE 2205a Algorithms and Data Structures</p> <p>Math 2151a Discrete Structures for Engineering</p> <p>SS 2141a Applied Probability and Statistics</p> <p>Bus 2257 Accounting &amp; Business Analysis</p> <p><b>Term B</b></p> <p>NMM 2276b Applied Mathematics for Elec &amp; Mech Eng III</p> <p>SE 2203b Software Design</p> <p>SE 2250b Software Construction</p> <p>Bus 2257 Accounting &amp; Business Analysis</p> <p>One 0.5 Non-technical elective course from the approved list</p> <p><b><u>Year 3: HBA 1</u></b></p> <p><b><u>Year 4:</u></b></p> <p><b>Term A</b></p> <p>ECE 4436a Networking: Principles, Protocols, and Architecture</p> <p>SE 3309a Database Management Systems</p> <p>SE 3316a Web Technologies</p> <p>SE 3351b Software Project and Process Management</p> <p>SE 3352a Software Requirements &amp; Analysis</p> <p>SE 3310a Theoretical Foundations of Software Engineering</p> <p>Bus 4569 Ivey Field Project</p> <p><b>Term B</b></p> <p>ECE 3375b Microprocessors and Microcomputers</p> <p>Physics2300 Quantum Computation and Information</p> <p>SE 3313a Operating Systems for Software Engineering</p> <p>SE 3314b Computer Networks Applications</p> <p>SE 3350b Software Engineering Design I</p> <p>SE 3353b Human-Computer Interaction</p> <p><b><u>Year 5:</u></b></p> <p><b>Term A</b></p> <p>SE 4450 Software Engineering Design II</p> <p>SE 4452a Software Testing and Maintenance</p> <p>SE 4472a Information Security</p> <p>1.5 HBA required courses **</p> <p><b>Term B</b></p> <p>SE 4450 Software Engineering Design II</p> <p>SE 4455b Cloud computing: concepts, technologies and applications</p> <p>ELI 4110g Engineering Ethics, Sustainable Development and the Law</p> <p>1.5 Business electives chosen from 4000 level Business courses.</p>	<p><b>NOTES:</b></p> <p><b>Important:</b></p> <p>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.</p> <p><b>**1.5 HBA required courses:</b></p> <ul style="list-style-type: none"> <li>• International Perspective Requirement: Business 4505a/b</li> <li>• Corporations and Society Requirement: 0.5 course from Business Administration – Corporations and Society offered during the academic year to satisfy this requirement.</li> <li>• Managerial Accounting Requirement: Business 4624a/b</li> </ul>
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