

**Computer Engineering: Software Systems for Ubiquitous Computing and Business (Option D)**

**September 2020** (for students who entered first year in September 2017)

<p><b>Year 2</b></p> <p><b>Term A</b></p> <p>AM 2270A Applied Mathematics for Engineering II          CS 1037A Computer Science Fundamentals II          ECE 2205A Electric Circuits I          ECE 2277A Digital Logic Systems          Math 2151A Discrete Structures for Engineering          SE 2203A Software Design          BUS 2257 Accounting and Business Analysis</p> <p><b>Term B</b></p> <p>AM 2276B Applied Mathematics for Elec. &amp; Mech. Engineering III          ECE 3375B Microprocessors and Microcomputers          ECE 3380B Advanced Digital Systems          MSE 2233B Circuits and Systems          SE 2205B Algorithms and Data Structures for Object-Oriented Design          BUS 2257 Accounting and Business Analysis</p> <p><b>Year 3: HBA 1</b></p> <p><b>Year 4</b></p> <p><b>Term A</b></p> <p>ECE 3389A Computer System Design          ECE 4436A Networking: Principles, Protocols &amp; Architecture          SE 3313A Operating Systems for Software Engineering          SE 3316A Web Technologies          SE 3352A Software Requirements and Analysis          BUS 4569 Ivey Field Project</p> <p><b>Term B</b></p> <p>ECE 3331B Introduction to Signal Processing          ECE 3390B Hardware/Software Co-Design          ECE 4460B Real-Time and Embedded Systems          SE 3314B Design and Implementation of Computer Networks          SE 3353B Human-Computer Interface Design          SS 2143B Applied Statistics and Data Analysis for Engineers</p> <p><b>Year 5</b></p> <p><b>Term A</b></p> <p>ECE 4415 Computer Engineering Design Project          ECE 3330A Control Systems          ECE 4437A Communications Theory          SE 4452A Software Verification and Validation          1.5 HBA required courses**</p> <p><b>Term B</b></p> <p>ECE 4415 Computer Engineering Design Project          ES 4498G Engineering Ethics, Sustainable Development &amp; the Law          SE 4455B Cloud Computing          Three 0.5-credit Business electives from the 4000-level Business courses</p>	<p><b>NOTES:</b></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-credit 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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