

## Computer Engineering: Electronic Devices for Ubiquitous Computing and Business (Option C)

**September 2020** (for students who entered first year in September 2018)

<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 2240A Electrical Laboratory I  ECE 2277A Digital Logic Systems  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 2231B Introduction to Electronics  ECE 2242B Principles of Design in Electrical Engineering  ECE 3375B Microprocessors and Microcomputers  ECE 3380B Advanced Digital Systems  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>CS 2210A Data Structures and Algorithms  ECE 3330A Control Systems  ECE 3349A Introduction of VLSI  ECE 3389A Computer System Design  Math 2151A Discrete Structures for Engineering  SE 2203A Software Design  BUS 4569 Ivey Field Project</p> <p><b>Term B</b></p> <p>CS 2211B Software Tools and Systems Programming  ECE 2236B Magnetic Circuits and Transmission Lines  ECE 3331B Introduction to Signal Processing  ECE 3390B Hardware/Software Co-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 4436A Networking: Principles, Protocols &amp; Architecture  ECE 4437A Communications Theory  SE 3313A Operating Systems for Software Engineering  1.5 HBA required courses**</p> <p><b>Term B</b></p> <p>ECE 4415 Computer Engineering Design Project  ECE 4460B Real-Time and Embedded Systems  ES 4498G Engineering Ethics, Sustainable Development &amp; the Law  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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