

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

**September 2019** (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 1027A 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          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          SE 2203A Software Design</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: at least 0.5-credit from Business Administration – Corporations and Society designated electives offered during the academic year or other business elective as determined and approved by the HBA Program Director to satisfy this requirement.</li> <li>• Managerial Accounting Requirement: Business 4624A/B</li> </ul>
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