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

September 2022 *(for students who entered first year in September 2019)*

Year 2	NOTES:
Term A	
AM 2270A — Applied Mathematics for Engineering II	
CS 1037A — Computer Science Fundamentals II	****1.5 HBA required courses:**
ECE 2205A — Electric Circuits I	
ECE 2240A — Electrical Laboratory I	• International Perspective Requirement: Business 4505A/B.
ECE 2277A — Digital Logic Systems	
BUS 2257 — Accounting and Business Analysis	• Corporations and Society Requirement: 0.5-credit from Business Administration – Corporations and Society offered during the academic year to satisfy this requirement.
Term B	
AM 2276B — Applied Mathematics for Elec. & Mech. Engineering III	• Managerial Accounting Requirement: Business 4624A/B
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	
Year 3: HBA 1	
Year 4	
Term A	
SE 2205A — Algorithms & Data Structure for Object-Oriented Design	
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	
Term B	
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	
Year 5	
Term A	
ECE 4415 — Computer Engineering Design Project	
ECE 4436A — Networking: Principles, Protocols & Architecture	
ECE 4437A — Communications Theory	
SE 3313A — Operating Systems for Software Engineering	
1.5 HBA required courses**	
Term B	
ECE 4415 — Computer Engineering Design Project	
ECE 4460B — Real-Time and Embedded Systems	
ELI 4110G — Engineering Ethics, Sustainable Development & the Law	
Three 0.5-credit Business electives from the 4000-level Business courses	