Western Engineering

Computer Engineering: Electronic Devices for Ubiquitous Computing and Business (Option C)
September 2022 *(for students who entered first year in September 2020)*

Year 2		NOTES:

Year 2

Term A

NMM 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

Term B

NMM 2276B	Applied Mathematics for Elec. & 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

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	

NOTES:

**1.5 HBA required courses:

- International Perspective Requirement: Business 4505A/B.
- Corporations and Society Requirement: 0.5-credit from Business Administration – Corporations and Society offered during the academic year to satisfy this requirement.
- Managerial Accounting Requirement: Business 4624A/B