Western Engineering

Computer Engineering – Electronic Devices for Ubiquitous Computing and Business (Option C)
September 2018 (students who *entered first year in September 2017*)

Year 2:

Term A

AM 2270a	Applied Mathematics for Engineering II
CS 1037a	Computer Science Fundamentals II
ECE 2205a	Electric Circuits 1
ECE 2240a	Electrical Laboratory
ECE 2277a	Digital Logic Systems
BUS 2257	Accounting and Business Analysis

Term B

AM 2276b	Applied Mathematics for Elec & Mech Eng 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: HBA1

Year 4:

Term A

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

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 Probability and Statistics
BUS 4569	Ivey Field Project

Year 5:

Term A

ECE 4415	Computer Engineering Design Project
ECE 4436a	Networking
ECE 4437a	Communications Theory
SE 3313a	Operating Systems for Software Engineering
BUS 4505a	Global Macroeconomics for Managers

BUS 4521a or 4522a or 4523a

Term B

ECE 4415	Computer Engineering Design Project
ECE 4460b	Real-Time and Embedded Systems
ES 4498G	Engineering Ethics, Sustainable Development and the Law

2.0 elective courses chosen from the 4000 level Business courses

NOTES:

Non-technical electives:
Please choose 1.0 credits (one 1.0 credit or two 0.5 credit) courses from the 1000 level and one 0.5 credit from the 2000+ level.