Western S Engineering

Computer Engineering – Software Systems for Ubiquitous Computing (Option B)

September 2018 (students who entered first year prior to September 2016)

		NOTES:	
Year 2:			
Term A			
AM 2270a	Applied Mathematical Methods		
CS 1037a	Computer Science Fundamentals II		
ECE 2205a	Electric Circuits 1		
ECE 2277a	Digital Logic Systems		
Math 2151a	Discrete Structures for Engineering		
SE 2203a	Software Design		
Term B			
AM 2276b	Applied Mathematical Methods		
ECE 3375b	Microprocessors and Microcomputers		
ECE 3380b	Advanced Digital Systems		
MSE 2233b	Circuits and Systems		
SE 2205b	Algorithms and Data Structures for Object-Oriented Des.		
SS 2143b	Applied Statistics and Data Analysis for Engineers		
No 2-			
Year 3: Term A			
	Control Suctome		
ECE 3330a ECE 3389a	Control Systems		
ECE 3389a ECE 4436a	Computer System Design		
	Networking: Principles, Protocols, and Architecture		
SE 3313a SE 3316a	Operating Systems for Software Engineering		
SE 3352a	Web Technologies Software Requirements and Analysis		
Term B			
ECE 3331b	Introduction to Signal Processing		
ECE 3390b	Hardware/Software Co-Design		
ECE 4460b	Real-Time and Embedded Systems		
SE 3314b	Design and Implementation of Computer Networks		
SE 3353b	Human-Computer Interface Design		
Writing 2130g	Building Better (Communication) Bridges, Rhetoric &	Technical Electi	vo list:
	Professional Communication for Engineers	Technical Electi	ve List.
Voor A.		Some technical electives may not be offered in a given academic	
<u>Year 4:</u> Term A		year. Consult the de	epartment for accurate listing.
Bus 2299e	Business for Engineers	ECE 4429a/b	Advanced Digital Signal Processing
ECE 4415	Computer Engineering Design Project	ECE 4438a/b	Advanced Image Processing and Analysis
ECE 4415	Computer Engineering Design Project	ECE 4445a/b	Introduction to Digital Image Processing
SE 4452a	Software Verification and Validation	ECE 4455a/b	Biomedical Systems Analysis
Two 0.5 technic		ECE 4469a/b	Applied Control Systems
			Maximum one of:
Term B		SE 3309a/b	Database Management Systems
Bus 2299e	Business for Engineers	SE 3310a/b	Theoretical Foundations of Software
ECE 4415	Computer Engineering Design Project		Engineering
SE 4455b	Cloud Computing: Concepts, Technologies and Applications	SE 3351a/b	Software Project and Process
ES 4498G	Engineering Ethics, Sustainable Development and the Law		Management
One 0.5 technical elective 0.5 non-technical elective taken from the approved list		SE 4472a/b	Information Security