Western S Engineering

Electrical Engineering (Option A)

September 2019 (for students who entered first year prior to September 2016)

	Year 2		NOTES:	
Term A				
AM 2270A	Applied Mathematics for Engineering II			
CS 1037A	Computer Science Fundamentals II			
ECE 2205A	Electric Circuits I			
ECE 2277A	Digital Logic Systems			
ECE 2240A	Electrical Laboratory			
ES 2211F	Engineering Communications			
Term B				
AM 2276B	Applied Mathematics for Elec. & Mech. Engineering III			
ECE 2231B	Introduction to Electronics			
ECE 2233B	Circuits and Systems			
ECE 2236B	Magnetic Circuits and Transmission Lines			
ECE 2241B	Electrical Laboratory II			
MME 2234B	Heat Transfer and Dynamics			
<u>Year 3</u>				
Term A				
AM 3415A	Applied Math for Electrical Engineering			
ECE 3330A	Control Systems	Technical Flack		
ECE 3332A	Electric Machines	Technical Elective		
ECE 3337A	Electronic Circuits		lectives may not be offered in a given	
SS 2141A	Applied Probability and Statistics for Engineers	academic year. Co	onsult the Department for accurate listing.	
One 0.5-credit	non-technical elective from approved list (either term)	FCF 22404 /P		
		ECE 3349A/B	Introduction to VLSI	
Term B		ECE 3380A/B	Advanced Digital Systems	
ECE 3331B	Introduction to Signal Processing	ECE 4430A/B	Selected Topics in Electrical Engineering I	
ECE 3333B	Electric Power Systems I	ECE 4431A/B ECE 4432A/B	Selected Topics in Electrical Engineering II Radiation and Propagation	
ECE 3336B	Electromagnetic Theory	ECE 4432A/B	Digital Communications Systems	
ECE 3370B	Communication Electronics I	ECE 4435A/B ECE 4436A/B	Networking: Principles, Protocols and	
ECE 3375B	Microprocessors and Microcomputers	ECE 4450A/B	Architecture	
		ECE 4438A/B	Advanced Image Processing & Analysis	
Year 4		ECE 4439A/B	Conventional, Renewable & Nuclear Energy	
		ECE 4445A/B	Introduction to Digital Image Processing	
Term A	Dusinger for Engineers	ECE 4451A/B	Advanced Topics in Wireless	
BUS 2299E	Business for Engineers		Communications	
ECE 4416	Electrical/Computer Engineering Project	ECE 4455A/B	Biomedical Systems Analysis	
ECE 4429A	Advanced Digital Signal Processing	ECE 4456A/B	Power Systems Protection	
ECE 4437A	Communications Theory	ECE 4457A/B	Power Electronics	
i wo u.5-credit	technical electives	ECE 4460A/B	Real-Time Embedded Systems	
		ECE 4464A/B	Electric Power Systems II	
Term B		ECE 4468A/B	Systems Optimization	
BUS 2299E	Business for Engineers	ECE 4469A/B	Applied Control Systems	
ECE 4416	Electrical/Computer Engineering Project	MME 4452A/B	Robotics and Manufacturing Automation	
ES 4498G	Engineering Ethics, Sustainable Development & the	MME 4473A/B	Computer Integrated Manufacturing	
	Law	MME 4482A/B	Fundamentals of MEMS	
	lit technical electives		-	