Western S Engineering

Mechatronics Engineering and Business (Option B)

September 2019 (for students who entered first year in September 2016)

<u>Year 2</u>		NOTES:	
Term A			
AM 2270A	Applied Mathematics for Engineering II		
ECE 2205A	Electric Circuits I		
MSE 2200Q	Engineering Shop Safety Training		
MSE 2201A	Introduction to Electrical Instrumentation		
MSE 2212A	Mechanics of Materials		
MSE 2214A	Thermodynamics		
CS 1037A	Computer Science Fundamentals II		
BUS 2257	Accounting & Business Analysis		
Term B			
AM 2276B	Applied Math for Electrical & Mechanical Eng. III		
MSE 2202B	Introduction to Mechatronic Design		
MSE 2213B	Engineering Dynamics		
MSE 2233B	Circuits and Systems		
SS 2143B	Applied Statistics and Data Analysis for Engineers		
BUS 2257	Accounting & Business Analysis		
× 0.0544			
<u>Year 3:</u> HBA 1			
Year 4			
Term A			
AM 3415A	Applied Math for Electrical Engineering		
ECE 2277A	Digital Logic Systems		
ECE 3330A	Control Systems		
MSE 3301A	Materials Selection and Manufacturing Processes		
MSE 3310A	Electric Motors and Drives		
MSE 3381A	Kinematics and Dynamics of Machines		
BUS 4569	Ivey Field Project		
Term B			
ECE 3331B	Signal Processing		
ECE 3375B	Microprocessors and Microcomputers	Technical Elective	25
MSE 3302B	Sensors and Actuators	Some technical el	ectives may not be offered in a given
MSE 3360B	Finite Element Methods for Mechanical Engineering	academic year. Co	onsult the Department for accurate listing.
MSE 3380B	Machine Component Design for Mechatronic Systems		
BUS 4569	Ivey Field Project	ECE 4457A/B	Power Electronics
		ECE 4460A/B	Real-time and Embedded Systems
<u>Year 5</u>		ECE 4469A/B	Applied Control Systems
Term A			
MSE 4401A	Robotic Manipulators		
MSE 4499	Mechatronic Design Project		
BUS 4505A	Global Macroeconomics for Managers		
BUS 4521A,	Corporations and Society course requirement		
4522A, 4532A			
One 0.5-credit technical elective			
Term B			
MSE 4499	Mechatronic Design Project		
ES 4499	Mechatronic Design Project		
LJ 4470U	Engineering Ethics, Sustainable Development & the Law		
One 0.5-credit technical elective			
2.0 credits of Business electives chosen from 4000 level Business courses			