Bachelor of Science – Mechatronics
Academic Year 2022 – 2023 --- A Possible Course Sequence

Semester 1 FALL 13+ credits	Semester 2 Spring 18 credits	Semester 3 Fall 17.5 credits	Semester 4 Spring 16 credits	Semester 5 Fall 16 credits	Semester 6 Spring 15+ credits	Semester 7 Fall 14 credits	Semester 8 Spring 13 credits
UN 1015 Composition (3)	UN 1025 Global Issues (3) [f,s,su] OR Modern Language Option	Social Responsibility & Ethical Reasoning (3) RECOMMEND PSY 2000	Critical & Creative Thinking (3)	Social & Behavioral Science (3)	Comm. & Composition (HU3120 recommended) (3)		Humanities & Fine Arts (3)
HASS Elective (3)	EET 1121/1122 Circuits 1 & Lab (3+1)	EET 2121/2122 *Circuits 2 & Lab (3+1)	Technical Elective 1 of 6	EET 3373 *Intro to PrgCtrls (3)	MET 4377 Applied Fluid Power (3)	Senior Project -or- Enterprise (3)	Senior Project -or- Enterprise (3)
CS 1111 Intro to Programming in C/C++ (3)		MET 3130 Statics & Dynamics (3)	EET 3131 *Meas'mnt & Instrmntat'n (3)	EET 4141 #Microctrl Interfacing (4) or EE 3171 Microctrl Apps for CyberPhys Systems (3)	PSY 3850 Human Factors Psychology (3)	EET 4144 *Real Time Robotics (4)	
	CS 1121 (3) or MIS 2100 (3) or SAT 1610 (3)	EET 2233 *Electrical Machinery (4)				EET 4311 Ctrl Systems (4)	EET 4999 Prof Practice in EngTech (1)
	PH 1140/1141 Applied Coll. Physics & Lab (3+1)		EET 2150 *App Math for EngTech (3)	MET 4210 Applied Quality Techniques (3)	Technical Elective 3 of 6		Technical Elective 5 of 6
MA 1160 or 1161 Calc 1 (4 or 5)	MA 2160 Calc 2 (4)	MA 3710 Engineering Statistics (3)	Gen Ed Science (3)	Technical Elective 2 of 6	Technical Elective 4 of 6	SAT 3812 #Cyber Security 1 (3)	Technical Elective 6 of 6
		Cocurricular ½ credit	Cocurricular 1 credit	Cocurricular 1 credit	Cocurricular ½ credit		

Technical Electives (18 credits minimum)

CS 1122
CS 1142
CS 2311
CS 2321
CS 3311
CS 3411
CS 3421
CS 4312
CS 4461
CS 4471
CS 4760
CS 4811
EE2180
EE 3280
EE 4272
EE/CS 4723
EET 2220
EET 2411
EET 4147
EET 4373
EET 4996
EET 4997
EET 4998
MET 2153
MET 2400
MET 4355
MIS 4200
PSY 4015
SAT 2711
SAT 3310
SAT 3820
SAT 4310
SAT 4812
SAT 4816

This degree requires 120 total credits.

* EET 1121/1122 are prerequisites for this class
\# CS 1121 is a prerequisite for this class