

**Bachelor of Science – Mechatronics  
Academic Year 2024 – 2025 --- Typical 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 7	EET 3373 *Intro to PrgCtrls (3)	MET 4377 Applied Fluid Power (3)	Senior Proj., Co-op or Enterprise (3)	Senior Proj., Co-op or Enterprise (3)
Programming (3) CS 1111 or CS 1121 or DATA 1202 or MIS 2100	Computing topics (3 or 4) SAT 1610 or SAT 1700 or SAT 2711 or SAT 2343 and 2344	MET 3130 Statics & Dynamics (3)	EET 3131 *Sensors & Instrmntat'n (3)	EET 3144 Intro to Industrial Robotics (3)	Technical Elective 2 of 7	EET 4144 *Real Time Robotics (4)	EET 4999 Prof Practice in EngTech (1)
		EET 2233 *Electrical Machinery (4)	EET 2150 *App Math for EngTech (3)	HF 3850 Human Factors Psychology (3)	Technical Elective 3 of 7	EET 4311 Ctrl Systems (4)	Technical Elective 6 of 7
	PH 1140/1141 Applied Coll. Physics & Lab (3+1)	MA 3710 Engineering Statistics (3)	Gen Ed Science (3)	MET 4210 Applied Quality Techniques (3)	Technical Elective 4 of 7	Technical Elective 5 of 7	Technical Elective 7 of 7
MA 1160 or 1161 Calc 1 (4 or 5)	MA 2160 Calc 2 (4)						
		Cocurricular ½ credit	Cocurricular 1 credit	Cocurricular 1 credit	Cocurricular ½ credit		

- Technical Electives  
(20 credits  
minimum)
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- 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 3225
  - EET 4147
  - EET 4373
  - EET 4501
  - EET 4707
  - EET 4996
  - EET 4997
  - EET 4998
  - MET 2153
  - MET 2400
  - MET 4355
  - MIS 4200
  - PSY 4015
  - SAT 2711
  - SAT 3210
  - SAT 3310
  - SAT 3812
  - SAT 3820
  - SAT 4310 or 4650
  - 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

See degree audit for a complete summary of degree requirements.