

B.S. in Engineering Technology
Electro-Mechanical Option
Suggested Four-Year Schedule for 2021-22 Admission

FALL SEMESTER

SPRING SEMESTER

	COURSE NO.	COURSE NAME	CR		COURSE NO.	COURSE NAME	CR
Year 1	CS 135	Computer Skills for Problem Solving	3	15	ET 100	Introduction to Engineering & Technology	3
	EN 111	English Composition I	3		ET 150	Computer-Aided Drafting and Design	4
	MA 115	Pre-Calculus Algebra and Trigonometry	4		ET 200	Manufacturing Processes	3
	CH 111/ CH 111L	General Chemistry I	4		EN 112	English Composition II	3
	FYE 101	First-Year Experience	1		HI 101 <u>or</u> HI 201	General Education Area IV - history sequence	3
Year 2	ET 210	Electricity/Electronics Fundamentals and Green Energy	4	15-17	CS 155	Computer Science I	3
	ET 220	Digital Electronics	3		GenEd	Area II - Fine Arts	3
	MA 125 <u>or</u> MA 121	Calculus I <u>or</u> Calculus for Business and Life Sciences I	3-4		MA 126 <u>or</u> MA 122	Calculus II <u>or</u> Calculus for Business and Life Sciences II	3-4
	PH 241 <u>or</u> PH 251	General Physics I <u>or</u> Technical Physics I	4-5		ET 300	Materials Science	3
		Elective	1		PH 242 <u>or</u> PH 252	General Physics II <u>or</u> Technical Physics II	4-5
							16-18
Year 3	ET 320	Statics and Strength of Materials	4	14	ET 370	Economics and Product Design	3
	ET 310	Introduction to Solid Modeling	3		ET 340	Power Transfer Technology	3
	OHS 301	Occupational Safety and Health	3		300-400	Elective	3
	ET 360	Electrical Circuits and Devices	3		COM 205	Communications in a Global Age	3
		Elective	1			Elective	3
							15
Year 4	ET 495W	Engineering Technology Capstone	4	15	ET 350	Robotics and Automated Manufacturing	4
	COM 201	Fundamentals of Speech	3		EN 232	Literature of the World II	3
	MA 345	Applied Statistics I	3		PHL 205 <u>or</u> PHL 250	Ethics <u>or</u> Business Ethics	3
	HI 102 <u>or</u> HI 202	General Education Area IV - history sequence	3		SO 222	Current Social Problems	3
		Elective	2			Elective	1
							14

TOTAL CREDIT HOURS FOR GRADUATION

120

Please note this plan is subject to change and users should refer to the Undergraduate Catalog for details.