



**Sample 4 Year Plan
Bachelor of Science
Engineering Technology
Mechatronics Engineering Technology
Concentration**

	Fall Semester		Credit Hrs	Spring Semester		
	Course Information			Course Information		
First Year	AP	UNIV 1000 – University Success	1	AP	ENGL 1020 – English Composition II	3
	AP	ENGL 1010 – English Composition I	3		ENGT 2730 – Intro. to Solid Modeling	3
		ENGT 1020 – Computer Aided Drafting & Design I	3	AP	COMM 2045 – Public Speaking	3
		MATH 1730 – Precalculus or ENGT 1200 – Applied Math for ENGT TECH	3 - 4		MET 1200 – Mechanical Components and Electrical Drives	3
		MET 1500 – Digital Fundamentals and Programmable Logic Controllers	3		MATH 1810 – Elements of Calculus or ENGT 1400 – Applied Calculus	3
		ENGT 1000 – Intro to Engineering & Engineering Technology	3			
		TOTAL SCH	16 - 17		TOTAL SCH	15

	Fall Semester		Credit Hrs	Spring Semester		
	Course Information			Course Information		
Second Year		ENGT 2000 – Manufacturing Processes	3	AP	MATH 1530 - Statistics	3
	AP	PHYS 2010/2011 – College Physic I w/lab	4		ENGT 2030 – AC Circuits & Applications	3
		MET 1300 – Electro Pneumatic and Hydraulic Control Circuits	3		MET 2100 – Process Control Technologies	3
		ENGT 2010 – DC Circuits and Applications	3	AP	PHYS 2020/2021 – College Physic II w/lab	4
	AP	ENGL 2330 – Topics in World Literature	3		ENGT 2020 – Robotics Fundamentals	3
		TOTAL SCH	16		TOTAL SCH	16

	Fall Semester		Credit Hrs	Spring Semester		
	Course Information			Course Information		
Third Year		ENGT 3000 – Materials Science	3		ENGT 3030 – Thermodynamics	3
		ENGT 3010 – Engineering Economics	3		MET 3300 – Advanced Automation	3
		ENGT 3020 – Statistics & Strength of Materials	3	AP	History Core	3
		MET 3200 – Industrial Totally Integrated Automation	3		MET 3500 – Machine Dynamics	3
		MET 3400 – Electromechanical Power	3	AP	Humanities and Fine Arts Core	3
		TOTAL SCH	15		TOTALSCH	15

	Fall Semester		Credit Hrs	Spring Semester		
	Course Information			Course Information		
Fourth Year	AP	Humanities and Fine Arts Core	3	AP	Social and Behavioral Sciences Core	3
	AP	Social and Behavioral Sciences Core	3	AP	History Core	3
		ENGT 3040 – Power Transfer	3		MET 4160 – Mechatronics Capstone	3
		MET 4100 – Project & Process Mgt	3		MET 3600 – Integrated Manufacturing	3
		ENGT 3050 – Problem Solving	3			
		TOTAL SCH	15		TOTAL SCH	12

*AP designates General Education Core Course to be completed for your degree.

**Bachelor degrees require the completion of 33 upper division (3000 – 4999) credit hours.