Bachelor of Science in Automation & Intelligent Robotics Engineering Technology Sample Academic Map

A Suggested Sequence of Required Courses

Freshman Year

	Fall			Spring	
____	3	AENG 261 Electronic Systems	____	3	COMM 100 Fundamentals of Speech
____	3	AENG 130 Materials & Processes	____	3	AENG262 Semiconductor Electronics
____	3	ENG 110 English Composition	____	4	CSCI 140 Discrete Structures
____	3	UNIV 103 First-Year Inquiry	____	3	General Education Course
____	3	General Education Course	____	3	WELL 175 Wellness
Total	15		Total	16	

Sophomore Year

	Fall			Spring	
____	4	CSCI 161 Intro to Programming I	____	4	CSCI 162 Intro to Programming II
____	4	MATH 161 Calculus I	____	3	AENG 342 Computer Aided Engineering
		AENG 241 Drafting			
____	3	Communications	____	5	PHYS 232 Physics 2
____	5	PHYS 231 Physics I	____	3	General Education Course
Total	16		Total	15	

	Fall			Spring	
____	3	AENG 364 Digital Electronics	____	3	Free Elective
____	3	AENG 325 Power Conversion/Control	____	4	AENG 326 Fluid Power
____	3	ENGL ___ Advanced Writing Req.	____	3	AENG 427 Programmable Logic Control
____	4	MATH 211 Calculus II	____	3	AENG 466 Wireless Communication
____	3	General Education Course			
Total	16		Total	13	

	Fall			Spring	
____	3	AENG 425 Industrial Robotic Systems	____	3	AENG 467 Mobile Robotic Systems
____	4	CSCI 450 Artificial Intelligence	____	4	CSCI 456 Robotics & Computer Vision
____	4	CSCI 362 Data Structures	____	3	____ ___ Perspectives Req.
____	3	General Education Course	____	3	General Education Course
			____	__	Free Elective to meet 120 credits min.
Total	14		Total	15	