

PROGRAM TRANSFER GUIDE DEGREE PLAN					
Triton College	2024-2025		Southern Illinois University Carbondale		
AAS Engineering Technology: Mechatronics - 61 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
			UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
SPE 101	Principles of Effective Speaking	3	CMST 101	Intro to Oral Communication	T
RHT 101	Rhetoric & Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MAT 114	Plane Trigonometry	3	MATH 109 (sub for MATH 108)	Trigonometry & Analytic Geometry	T
	Social & Behavioral Science	3	SOCIAL SCIENCE	See <i>SIUC Transfer Equivalency Guide</i>	T
			SOCIAL SCIENCE		3
	Humanities	3	HUMANITIES	See <i>SIUC Transfer Equivalency Guide</i>	T
			HUMANITIES		NA
			PHYS 203A -and- 253A	College Physics w/Lab	4
			LIFE SCIENCE		3
			FINE ARTS		3
HTH 104	Science of Personal Health	2	PH 101	Foundations of Human Health	T
			MULTICULTURAL		3
		17			16
Program Requirements			Program Requirements		
ENT 104	Electricity Basic Fundamentals	3	The AAS in Engineering Technology: Mechatronics as articulated fulfills 15 hrs of technical elective requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).		
ENT 202	Electricity Sustainable Applications	4			
PROGRAM ELECTIVES	Choose from approved courses	5			
ENT 110	Engineering Design Graphics/CAD	4	IMAE 1XX (elective)	IMAE Tech Elective 100-level	T
ENT 115	Fluid Power	3	IMAE 1XX (elective)	IMAE Tech Elective 100-level	T
ENT 116 (Program Elective)	Fabrication Processes	4	IMAE 208	Fundamentals of Manufacturing Processes	T
ENT 204	Programmable Logic Controllers I	3	IMAE 2XX (elective)	IMAE Tech Elective 200-level	T
ENT 205	Robotics I	4	IMAE 2XX (elective)	IMAE Tech Elective 200-level	T
ENT 206	Programmable Logic Controllers II	4	IMAE 2XX (elective)	IMAE Tech Elective 200-level	T
ENT 207	Robotics II	4	IMAE 455 (elective)	Industrial Robotics	T
ENT 252	Intro to Mechanical AutoCAD	3	IMAE 2XX (elective)	IMAE Tech Elective 200-level	T
ENT 260	Jig & Fixture Design	3	IMAE 2XX (elective)	IMAE Tech Elective 200-level	T
		44			
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calc for Tech	3
			IMAE 340	Intro to Supervision	3
			IMAE 375	Production & Inventory Management	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Manufacturing	3
			IMAE 450	Project Management	3
			IMAE 465	Lean Manufacturing	3
			IMAE 470A	Six Sigma Green Belt I	3
			IMAE 470B	Six Sigma Green Belt II	3
			IMAE 476	Supply Chain Management	3
			IMAE Elective	300/400 level	3
					49
Total semester hrs completed w/AAS degree:		61	Total semester hrs completed w/BS degree:		65
			Total hours to BS degree:		126
<i>Degree Plan updated on 5/31/24 by SG</i>					