

PROGRAM ARTICULATION DEGREE PLAN					
College of DuPage		2024-2025	Southern Illinois University Carbondale		
AAS Biomedical Engineering Technology - 68 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
SPEEC 1100	Fundamentals of Speech Communication	3	CMST 101	Intro to Oral Communication	T
ENGLI 1101	English Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MATH 1431	Precalculus I	3	MATH 108	College Algebra	T
PSYCH 1100	General Psychology	3	PSYC 102	Intro to Psychology	T
			SOCIAL SCIENCE		3
	Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		NA
PHYSI 1201	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		3
			FINE ARTS		3
ANAT 1500	Survey of Human Anatomy & Physiology	4	AH 241	Intro to Physiology & Human Anatomy	T
	Contemporary Life Skills	2	MULTICULTURAL	See SIUC Transfer Equivalency Guide	T
		26			9
Program Requirements			Program Requirements		
Program Electives	Select from approved list of courses	13	An AAS in Biomedical Engineering Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE)		
ELECT 1101	Circuits I	3			
ELECT 1151	Electronic Devices & Applications	4	EET 150 (elective)	Intro to Electrical Engineering Technology	T
ELECT 1100	Electricity & Electronics Fundamentals	3	EET 304A (elective)	AC/DC Circuit Theory & Application	T
ELECT 1102	Circuits II	4	EET 238 (elective)	Digital System Fundamentals	T
ELECT 1141	Digital Fundamentals	3	EET 1XX (elective)	EET Tech Elective 100-level	T
ELECT 1221	Intro Biomedical Instrumentation Technology	3	EET 2XX (elective)	EET Tech Elective 200-level	T
ELECT 2221	Electronic Instruments, Measurements	3	EET 2XX (elective)	EET Tech Elective 200-level	T
ELMEC 2510	Process & Automation Controls	3	AH 105 (elective)	Medical Terminology	T
HLTHS 1110	Biomedical Terminology	3			
		42			
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	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
					52
Total semester hrs completed w/AAS degree:		68	Total semester hrs completed w/BS degree:		61
			Total hours to BS Degree:		129
Degree Plan created on 5/9/24 by SG					