

PROGRAM ARTICULATION DEGREE PLAN					
College of DuPage		2021-2022	Southern Illinois University Carbondale		
AAS Biomedical Engineering Technology - 68 hrs			BS Industrial Management & Applied Engineering (IMAE) Quality Management Specialization - 120 hrs		
General Education			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 1428	College Algebra with Applications	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	Any unarticulated courses will be used to satisfy general elective credit		
ELECT 1100	Electricity & Electronics Fundamentals	3			
ELECT 1101	Circuits I	3			
ELECT 1102	Circuits II	4			
ELECT 1141	Digital Fundamentals	3			
ELECT 1151	Electronic Devices & Applications	4			
ELECT 1221	Intro Biomedical Instrumentn Technology	3			
ELECT 2221	Electronic Instruments, Measurements	3			
ELMEC 2510	Process & Automation Controls	3			
HLTHS 1110	Biomedical Terminology	3			
		42	AH 105 (elective)	Medical Terminology	T
			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 -or- MATH 140	Applied Calculus for Technology -or- Short Course in Calculus	3
			IMAE 340 -or- PSYC 323*	Intro to Supervision -or- Organizational Psychology	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 Electives	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
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		
Degree Plan created on 9/23/21 by SG					