	unity College 2023-2024		Southern Illinois University Ca	rbondale	
Delaware Technical Community College 2023-2024 AAS Computer Aided Drafting/Design Technology - 66 hrs		1	BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
AAS Computer Aided Draiting	g/Design Technology - 66 hrs	1	University Core Curriculum (UC		1
		Hrs	University core curriculum (oc	co capsione option - so ms	Hrs
		піз	UNIV 101	Saluki Success	NA
			CMST 101		3
ENC 404	Composition I	2	ENGL 101	Intro to Oral Communication	T
ENG 101		3		English Composition I	T
ENG 102	Composition II	3	ENGL 102	English Composition II	
MAT 183	Reasoning with Functions I	5	MATH 108 (required)	College Algebra	T
	SOCIAL SCIENCE	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
	SOCIAL SCIENCE	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		3
			HUMANITIES		NA
PHY 205	General Physics I	4	PHYS 203/253A (Required)	College Physics/Lab	Т
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
*Recommended to fulfill BS re	equirement	21			15
Program Requirements			Program Requirements		
AET 164	Architectural CAD Applications	3			
EDD 161	Intro to CAD using MicroStation	3			
EDD 171	Intro to CAD using AutoCAD	3			
EDD 234	Engineering Drafting - Piping	3			
EDD 246	Engineering Drafting - Structural	3			
EDD 249	Engineering Design Process	3	3 technical elective requirements for the BS in Industrial Management & Applied E		eering
EDD 271	Advanced CAD	3	-	(IMAE).	-
EDD 272	Solid Modeling	3			
			-		
MET 115	Intro to Mechanical Engineering Tech	3	-		
MET 115 MET 123	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques	3	-		
MET 115 MET 123 SSC 100	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar	3 3 1	-		
MET 115 MET 123 SSC 100 EDD 141	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I	3 3 1 4	IMAE 110 (required)	Geometric Dimensioning & Tolerancing	т
MET 115 MET 123 SSC 100 EDD 141 EDD 142	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II	3 3 1 4 3	IMAE 110 (required)	Geometric Dimensioning & Tolerancing	т
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3			
MET 115 MET 123 SSC 100 EDD 141 EDD 142	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II	3 3 1 4 3 3 4	IMAE 110 (required)	Geometric Dimensioning & Tolerancing Trigonometry and Analytic Geometry	T
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3	MATH 109	Trigonometry and Analytic Geometry	Т
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B	Trigonometry and Analytic Geometry University Physics/Lab	Т 4
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes	T 4 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety	T 4 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology	4 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323**	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology	T 4 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management	T 4 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating	T 4 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design	T 4 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 442 IMAE 445 IMAE 450 IMAE 465	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 490 IMAE 445 IMAE 450 IMAE 465 IMAE 470A	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 442 IMAE 445 IMAE 450 IMAE 465	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 375 IMAE 392 IMAE 442 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 476	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 370 IMAE 390 IMAE 490 IMAE 445 IMAE 445 IMAE 45 IMAE 470A IMAE 470B	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Engineering Drafting & Design II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 375 IMAE 392 IMAE 442 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 476	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Reasoning with Functions II	3 3 1 4 3 3 4	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 375 IMAE 392 IMAE 442 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 476	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MET 115 MET 123 SSC 100 EDD 141 EDD 142 EDD 233 MAT 193	Intro to Mechanical Engineering Tech Modern Manufacturing Techniques First Year Seminar Engineering Drafting & Design I Engineering Drafting & Design II Reasoning with Functions II	3 3 4 4 3 3 4 45	MATH 109 PHYS 203B/253B IMAE 208 IMAE 305 IMAE 307 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 465 IMAE 470A IMAE 470B IMAE 476 IMAE Electives	Trigonometry and Analytic Geometry University Physics/Lab Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3