Delaware Technical and Community Colleg	ge 2019-2020		Southern Illinois University Carbondale		
AAS Design Engineering Technology (Mechai	nnical) - 68 hrs	·	BS Industrial Management and Applied Engin		
			University Core Curriculum (UCC) Capston	e Option - 30 hrs	
		Hrs			Hrs
SSC 100	First Year Seminar	1	UNIV 101	Saluki Success	NA
ENG 101	Critical Thinking & Academic Writing	3	ENGL 101	English Composition I	T
ENG 102	Composition and Research	3	ENGL 102	English Composition II	Т
			CMST 101	Intro to Oral Communication	3
MAT 180	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	Т
SOCIAL SCIENCE	(See SIU Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
SOCIAL SCIENCE	(See SIU Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	Т
			HUMANITIES	(See SIUC Equivalency Guide)	3
			HUMANITIES		NA
PHY 205*	General Physics	4	PHYS 203/253A (Required for BS degree)	College Physics/Lab	Т
			LIFE SCIENCE, GRP II	,	3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL	<u> </u>	3
*Recommended to fulfill BS requirement		21			15
Trecommended to famili Be requirement					- 10
Program Requirements			Program Requirements		
EDD 141	Engineering Drafting & Design I	4			
EDD 171	Intro to CAD Using AutoCAD	3	1		
EDD 272	Solid Modeling	3	_		
EDD 273	Advanced Solid Modeling	3	1		
EDT 152	Engineering Design II	4	The AAS in Design Engineering Technology	ogy (Mechanical) as articulated fulfills the 22 hours of t	tochnical
IED I 132	Engineering Design ii	-	The AAS in Design Engineering recinion	by (wechanical) as articulated fullilis the 22 hours of t	tecimicai
	Engineering Design III	1	alactive requirements for the DC	in Industrial Management 9 Applied Engineering /IMAE	=\
EDT 252	Engineering Design III	4	elective requirements for the BS i	in Industrial Management & Applied Engineering (IMAE	≣)
EDT 252 ELC 125	Electrical Circuits I	4	elective requirements for the BS	in Industrial Management & Applied Engineering (IMAE	≣)
EDT 252 ELC 125 IET 209	Electrical Circuits I Survey in Production Planning & Control	4 3	elective requirements for the BS i	in Industrial Management & Applied Engineering (IMAE	≣)
EDT 252 ELC 125 IET 209 MET 132	Electrical Circuits I Survey in Production Planning & Control Statics	4 3 3	elective requirements for the BS i	in Industrial Management & Applied Engineering (IMAE	≣)
EDT 252 ELC 125 IET 209	Electrical Circuits I Survey in Production Planning & Control	4 3	elective requirements for the BS	in Industrial Management & Applied Engineering (IMAE	≣)
EDT 252 ELC 125 IET 209 MET 132 MET 242	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials	4 3 3 3			
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading	4 3 3 3 3	IMAE 110 (Required for BS degree)	Geometric Dimensioning & Tolerancing	Т
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281*	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I	4 3 3 3 3 4			
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree)	Geometric Dimensioning & Tolerancing	Т
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281*	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement)	Geometric Dimensioning & Tolerancing Calculus I	T
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree)	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes	T T
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab	T T T 4
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) 1MAE 208 (Required for BS degree) PHYS 203/253B IMAE 305	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety	T T T 4 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323**	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology	T T T 4 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics	T T T 4 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 305 IMAE 376 IMAE 376 IMAE 390	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating	T T T 4 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating Facilities Planning & Workplace Design	T T T 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	T T T 4 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing	T T T 4 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management	T T T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 465	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing	T T T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 465 IMAE 470A	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I	T T T 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics 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 T T 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 465 IMAE 470A	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I	T T T 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics 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 T T 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 445 IMAE 470 IMAE 470A IMAE 470B IMAE 470B	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics 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 Design & Strategy	T T T 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques Advanced Manufacturing Techniques	3 3 3 3 4 3	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 445 IMAE 470 IMAE 470A IMAE 470B IMAE 470B	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics 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 I Supply Chain Design & Strategy (Must be at 300/400 level)	T T T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 6 6
EDT 252 ELC 125 IET 209 MET 132 MET 242 EDT 128 MAT 281* MET 123 MET 125 *Recommended to fulfill BS requirement	Electrical Circuits I Survey in Production Planning & Control Statics Strength of Materials Machine Trades Blueprint Reading Calculus I Modern Manufacturing Techniques Advanced Manufacturing Techniques	4 3 3 3 4 3 47	IMAE 110 (Required for BS degree) MATH 150 (Fulfills BS degree requirement) IMAE 208 (Required for BS degree) PHYS 203/253B IMAE 305 IMAE 340 -or- PSYC 323** IMAE 376 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE Electives	Geometric Dimensioning & Tolerancing Calculus I Fundamentals of Manufacturing Processes College Physics/Lab Industrial Safety Intro to Supervision -or- Organizational Psychology Supply Chain Operations & Logistics 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 I Supply Chain Design & Strategy (Must be at 300/400 level)	T T T T 3 3 3 3 3 3 3 3 3 3 3 6 46