PROGRAM ARTICULATION DEGRE Elgin Community College  AAS Computer Integrated Manufacturi  ENG 101 ENG 102  Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110 IMT 1112	2024-2025	Hrs  3 3 3 3 3 4 4 4 3	Southern Illinois University Carbon BS Industrial Management & Applied University Core Curriculum (UCC) (ICC) UNIV 101 CMST 101 ENGL 102 MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL	Engineering (IMAE) - 120 hrs	Hrs NA 3 T T 3 T NA 4 3 3 NA 3 22
ENG 101 ENG 102  Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	English Composition I English Composition II  Social/Behavioral Science  Humanities/Fine Arts  Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 3 12 12 3 3 3 3 3 4 4	University Core Curriculum (UCC) (UNIV 101 CMST 101 ENGL 101 ENGL 102 MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL	Saluki Success Intro:Oral Communication English Composition I English Composition II College Algebra See SIUC Transfer Equivalency Guide	NA 3 T T 3 T NA 4 3 3 NA 3
Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 1101	English Composition II  Social/Behavioral Science  Humanities/Fine Arts  Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 3 12 12 3 3 3 3 3 4 4	UNIV 101 CMST 101 ENGL 101 ENGL 102 MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	Saluki Success Intro:Oral Communication English Composition I English Composition II College Algebra See SIUC Transfer Equivalency Guide See SIUC Transfer Equivalency Guide	NA 3 T T 3 T NA 4 3 3 NA 3
Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 1170	English Composition II  Social/Behavioral Science  Humanities/Fine Arts  Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 3 12 12 3 3 3 3 3 4 4	CMST 101 ENGL 101 ENGL 102 MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HHWANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	Intro:Oral Communication English Composition I English Composition II College Algebra See SIUC Transfer Equivalency Guide  See SIUC Transfer Equivalency Guide	NA 3 T T 3 T NA 4 3 3 NA 3
Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 1101	English Composition II  Social/Behavioral Science  Humanities/Fine Arts  Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 12 3 3 3 3 4 4	CMST 101 ENGL 101 ENGL 102 MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HHWANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	Intro:Oral Communication English Composition I English Composition II College Algebra See SIUC Transfer Equivalency Guide  See SIUC Transfer Equivalency Guide	3 T T 3 T NA 4 3 3 NA 3
Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 1101	English Composition II  Social/Behavioral Science  Humanities/Fine Arts  Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 12 3 3 3 3 4 4	ENGL 101 ENGL 102 MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	English Composition I English Composition II College Algebra See SIUC Transfer Equivalency Guide  See SIUC Transfer Equivalency Guide	T T 3 T 3 T NA 4 3 3 NA
Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 1101	English Composition II  Social/Behavioral Science  Humanities/Fine Arts  Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 12 3 3 3 3 4 4	ENGL 102 MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HUMANITIES PHYS 203A - and - 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	English Composition II College Algebra See SIUC Transfer Equivalency Guide See SIUC Transfer Equivalency Guide	T 3 T 3 T NA 4 3 3 NA 3
Program Requirements CAD 120 CAD 121 IMT 103 IMT 104 IMT 07-or-MTH 107 IMT 1107-or-MTH 107	Social/Behavioral Science  Humanities/Fine Arts  Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 3 3 3 4 4	MATH 108 SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	College Algebra   See SIUC Transfer Equivalency Guide   See SIUC Transfer Equivalency Guide	3 T 3 T NA 4 3 3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 3 3 4 4	SOCIAL SCIENCE SOCIAL SCIENCE HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	See SIUC Transfer Equivalency Guide   See SIUC Transfer Equivalency Guide	T 3 T NA 4 3 3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 3 3 4 4	SOCIAL SCIENCE HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	See SIUC Transfer Equivalency Guide	3 T NA 4 3 3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	HUMANITIES HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements		T NA 4 3 3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Intro to Solid Works Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	HUMANITIES PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements		NA 4 3 3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	PHYS 203A -and- 253A LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	College Physics w/Lab	4 3 3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	LIFE SCIENCE FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements	College Physics w/Lab	3 3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	FINE ARTS HUMAN HEALTH MULTICULTURAL  Program Requirements		3 NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	HUMAN HEALTH MULTICULTURAL  Program Requirements		NA 3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	MULTICULTURAL  Program Requirements		3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4	Program Requirements		3
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4			
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 3 4 4			
CAD 120 CAD 121 IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 4 4			
CAD 121 IMT 103 IMT 104 IMT 07-or-MTH 107	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 3 4 4	The AAS degree in Commuter late		
IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Advanced Concepts in SolidWorks Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 3 4 4	The AAS degree in Computer Internal		
IMT 103 IMT 104 IMT 107-or-MTH 107 IMT 110	Industrial Manufacturing Tech I Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	3 4 4	The AAS degree in Commuter Inte		
IMT 107-or-MTH 107 IMT 110	Industrial Manufacturing Tech II Technical Math I or Technical Math I Intro to CNC Programing I	4 4	The AAS degree in Computer Inte		
IMT 110	Intro to CNC Programing I	4	The AAS degree in Commuter Inte		
			The AAS degree in Commister Inte		
				agrated Manufacturing as articulated fulfills the 45 hrs of	tooknieel
		3		egrated Manufacturing as articulated fulfills the 15 hrs of	
IMT 204	Industrial Manufacturing Tech V	5	elective course requirements to	or the BS degree in Industrial Management & Applied Eng	ineering
IMT 220	Intro to CNC Programming II	4		(IMAE).	
IMT 221	Intro to CNC Toolpathing	4			
IMT 222	Advanced CNC Programming I	4			
IMT 223	Advanced CNC Programming II	4			
IST 105	Electrical Control Circuits	3			
IST 140	Programmable Controllers I	3			
CAD 101	Intro to Engineering Design	4	ME 102 (elective)	Computer-Aided Engineering Drawing	Т
		54			
			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 340	Production & Inventory Management	3
			IMAE 373	Cost Estimating	3
			IMAE 390	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Manufacturing	3
			IMAE 443		3
			_	Project Management	
			_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:		66	Total semester hrs completed w/BS	S degree:	74
Total semester fil's completed w/AAS degree:		00	Total semester his completed w/bs	o degree.	74
			Total hours to BS degree:		140
					1.70
Degree Plan updated on 5/29/24 by S	GG C				