	LATION DEGREE PLAN					
Rend Lake College 2			Southern Illinois University Carbonda			
AAS Industrial Electro	onics & Maintenance Technician - 65 hrs		BS Industrial Management and Applied I			
			University Core Curriculum (UCC) Ca	pstone Option - 30 hrs		
		Hrs			Hrs	
			UNIV 101	Saluki Success	NA	
ENGL 1101	Rhetoric and Composition I	3	ENGL 101	English Composition I	T	
			ENGL 102	English Composition II	NA	
COMM 1101	Principles of Effective Speaking	3	CMST 101	Intro to Oral Communication	T	
MATH 1108*	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra	T	
PSYC 2101	Introduction to Psychology	3	PSYC 102	Introduction to Psychology	T	
	Can be completed at RLC or SIUC		SOCIAL SCIENCE		3	
	Can be completed at RLC or SIUC		HUMANITIES		3	
			HUMANITIES		NA	
			PHYS 203/253A	College Physics/Lab	4	
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA	
	Can be completed at RLC or SIUC		FINE ARTS		3	
	_		HEALTH		NA _	
	Can be completed at RLC or SIUC		MULTICULTURAL		3	_
*Recommended to full	Ifill SIUC degree requirements	12			16	
Program Requirement			Program Requirements			
CSCI 1101	Introduction to Computers	3	4		Ļ	<u> </u>
ELEC 1210	National Electric Code	3	1		L	<u> </u>
FLPR 1262	Fluid Power Fundamentals	5			Ĺ	<u> </u>
IST 1291	Basic Electronics for Technicians	5				
IST 1221	Industrial Safety	2				
	Introduction to Robotics	3				
IST 1230			The AAS degree in Industrial Flectron	nics & Maintananca Tachnology as articulated fulfills the 22 hours o	of technical	
IST 1230 IST 1250 IST 1265	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics	3		nics & Maintenance Technology as articulated fulfills the 22 hours of	of technical	
IST 1230 IST 1250 IST 1265 IST 2230	Introduction to Robotics Electric Motors and Control Circuits	3 6		nics & Maintenance Technology as articulated fulfills the 22 hours on the BS in Industrial Management and Applied Engineering (IMAE)	of technical	
IST 1230 IST 1250 IST 1265	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics	3 6 4			of technical	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs	3 6 4 4			of technical	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs	3 6 4 4 3			of technical	
IST 1230 IST 1250 IST 1265 IST 2230	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems	3 6 4 4 3 3			of technical	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs	3 6 4 4 3 3 4			of technical	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4			of technical	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4			of technical	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	elective requirements for	the BS in Industrial Management and Applied Engineering (IMAE)	-	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	elective requirements for  PHYS 203/253B	the BS in Industrial Management and Applied Engineering (IMAE)  College Physics/Lab	4	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	elective requirements for  PHYS 203/253B  IMAE 110	the BS in Industrial Management and Applied Engineering (IMAE)  College Physics/Lab Geometric Dimensioning & Tolerancing	4 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208	the BS in Industrial Management and Applied Engineering (IMAE)  College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes	4 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus	4 3 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323**	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology	4 3 3 3 3-4	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management	4 3 3 3 3-4 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307 -or- MATH 140  IMAE 340 -or- PSYC 323**  IMAE 375  IMAE 390	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating	4 3 3 3 3-4 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 375 IMAE 375 IMAE 390 IMAE 390 IMAE 392	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design	4 3 3 3 3-4 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership	4 3 3 3 3-4 3 3 3 3	
ST 1230 ST 1250 ST 1265 ST 2230 ST 2231 ST 2232 ST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing	4 3 3 3-4 3 3 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 392 IMAE 442 IMAE 445 IMAE 450	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management	4 3 3 3 3-4 3 3 3 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 465	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing	4 3 3 3 3-4 3 3 3 3 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 465 IMAE 470A	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt	4 3 3 3 3-4 3 3 3 3 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307 -or- MATH 140  IMAE 340 -or- PSYC 323**  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 445  IMAE 450  IMAE 465  IMAE 470A  IMAE 470B	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307 -or- MATH 140  IMAE 340 -or- PSYC 323**  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 445  IMAE 450  IMAE 465  IMAE 470A  IMAE 470B  IMAE 470B  IMAE 476	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3	
ST 1230 ST 1250 ST 1265 ST 2230 ST 2231 ST 2232 ST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307 -or- MATH 140  IMAE 340 -or- PSYC 323**  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 470  IMAE 470B  IMAE 476  IMAE Electives	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	4 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307 -or- MATH 140  IMAE 340 -or- PSYC 323**  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 470  IMAE 470B  IMAE 476  IMAE Electives	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3	
ST 1230 ST 1250 ST 1265 ST 2230 ST 2231 ST 2232 ST 2258 MACH 1201 WELD 1270	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I Intro to Welding Processes	3 6 4 4 3 3 4 4 4 53	PHYS 203/253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307 - or- MATH 140  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 450  IMAE 470A  IMAE 470B  IMAE 470B  IMAE 476  IMAE Electives	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level) for on-campus students only & requires PSYC 102 as a prerequisite	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 5 5 5 5 5 6 5 5 5 5	
IST 1230 IST 1250 IST 1265 IST 2230 IST 2231 IST 2232 IST 2258 MACH 1201 WELD 1270	Introduction to Robotics Electric Motors and Control Circuits Solid State Electronics Introduction to PLCs Advanced Programmable Controllers Branded Controllers & Industrial PCs Automated Control Systems Machining Technology I	3 6 4 4 3 3 4 4	PHYS 203/253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307 -or- MATH 140  IMAE 340 -or- PSYC 323**  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 470  IMAE 470B  IMAE 476  IMAE Electives	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production and Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level) for on-campus students only & requires PSYC 102 as a prerequisite	4 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3	