



TRANSFER GUIDE

AAS Industrial Maintenance Tech transferring into BS Industrial Mgmt & Applied Engineering

	Illinois Eastern Comr	munity Colleges Cours	es
	AAS Industrial Maintena		
ENG 1111-3	Composition I	CERT-16	C501 or C507 and MTH 1201
SPE 1101-3	Fundamentals of Effective Speaking	CERT-16	C502 Certificate
Elective-3	IAI Social Science or Humanities	CERT-16	C503 Certificate
Elective-3	General Education Elective	*Must satisfy th	e IECC Human Diversity Requirement
	Southern Illinois University Car	bondale Courses Caps	stone Option
	BS Industrial Management & Appl	ied Engineering (IMAI	E) – 71-72 hours
MATH 108-3	College Algebra	IMAE 340-3 or	Intro to Supervision or
Elective-3	Humanities	PSYC 323-3	Organizational Psychology
Elective-3	Social Science	IMAE 375-3	Production & Inventory Mgmt
Elective-3	Life Science	IMAE 390-3	Cost Estimating
Elective-3	Fine Arts	IMAE 392-3	Facilities Planning/Workplace Design
PHYS 203/253A-4	College Physics/Lab	IMAE 442-3	Fundamentals of Leadership
PHYS 203/253B-4	College Physics/Lab	IMAE 445-3	Computer Integrated Manufacturing
IMAE 110-3	Geom Dimensioning & Tolerancing	IMAE 450-3	Project Management
IMAE 208-3	Manufacturing Processes	IMAE 465-3	Lean Manufacturing
IMAE 305-3	Industrial Safety	IMAE 470A-3	Six Sigma Green Belt I
IMAE 307-3 or	Applied Calculus for Technology or	IMAE 470B-3	Six Sigma Green Belt II
MATH 140-4	Short Course in Calculus	IMAE 476-3	Supply Chain Management
		IMAE Electives-6	Must be at 300/400 level
	Total Hours to Bachel	or Degree: 131-132 Ho	ours

Questions? Contact Us!

Salary Range: \$50,000-\$70,000

Possible Careers: Production Manager

Manufacturing Engineer

Quality Engineer Plant Manager Project Engineer **Illinois Eastern Community Colleges**

Alyssa Maglone

Assistant Dean of Academic Services

P: 618-879-9443

E: maglonea@iecc.edu

Southern Illinois University Carbondale

Dr. Julie Dunston, Director,

School of Applied Engineering & Technology

P: 618-536-3396 E: dunston@siu.edu

Disclaimer: You are encouraged to use this transfer guide when planning your progress towards degree completion. Following a transfer guide does not guarantee admission into the listed program. Information is assumed current; however, any curriculum changes reflected in the Undergraduate Catalog override the information on this guide. Contact your Academic Advisor for assistance in interpreting this guide.

Baccalaureate Degree Requirements

Each candidate for a bachelor's degree must complete the requirements listed:

Hour Requirements. Each student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution.

Residence Requirements. Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale.

Grade Point Average Requirements. Each student must have a *C* average for <u>all work</u> taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

Dual Admission Program

The Dual Admission Program (DAP) allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at SIU Carbondale. The DAP addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students apply to the DAP by completing the Application for Undergraduate Admission and indicating interest in the DAP. Students must have at least two semesters remaining at their community college to participate, must select a participating SIU major, and must attend an eligible community college. Students who apply for the DAP are provided a transfer plan that will guide them to the most direct route to their bachelor's degree, along with personalized contact with an SIU representative. Dual Admission Program students receive access to enroll in an online Dual Admission Program course, which connects students early to the University, its resources, and other transfer students.

Compact Agreement

SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU will continue to recognize the baccalaureate oriented associate degree (A.A. or A.S. degree) under the Illinois Articulation Initiative as satisfying SIU University Core Curriculum (UCC). The Associate of Applied Science (A.A.S.), Associate in Engineering Science (A.E.S.), the Associate in General Studies (A.G.S.), and the Associate in Fine Arts (A.F.A.) are not covered under the Compact Agreement and do not carry the same benefits as the A.A. and A.S. degrees.

Degree Works

Degree Works is an easy-to-use, comprehensive, online degree audit tool specifically designed for students. The audit reflects program requirements from the Undergraduate Catalog measured against registration and transfer work to guide the degree audit function as it applies to the individual student. Once admitted to SIU Carbondale, you can run a Degree Works degree audit against your academic record by searching "Degree Works" in SalukiNet.

PROGRAM ARTICULATION DEGREE PLAN Illinois Eastern Community Collegi 2022-2023			Southern Illinois University Carbondale		
AAS Industrial Maintenance Te	strial Maintenance Technology - 60 hrs		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
Vio industrial Mainteriarioe Te	ornology co mo	1	UNIVERSITY CORE CURRIC	ULUM (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs			Hrs
		10	UNIV 101	Foundations of Inquiry	N/
ENG 1111	Composition I	3	ENGL 101	English Composition I	T
LITO 1111	Composition	3	ENGL 101	English Composition II	N/
SDE 1101	F	3			
SPE 1101	Fundamentals of Effective Speaking	3	CMST 101	Intro to Oral Communication	T
			MATH 108	College Algebra	3
	IAI Social Science* -OR-	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	Т
			SOCIAL SCIENCE		3
	IAI Humanities*		HUMANITIES		T
			HUMANITIES		N/
			PHYS 203A/253A	College Physics/Lab	4
			LIFE SCIENCE	Students take 2 physics courses	N/
			FINE ARTS	γ	3
			HUMAN HEALTH		N/
The Humanities or Social Sois	non Floritive must entirely the IECC Human Diversity Beguin	romont			
THE HUMANITIES OF SOCIAL SCIE	nce Elective must satisfy the IECC Human Diversity Requir	rement 9	MULTICULTURAL		3 16
		9			16
			D		
Program Requirements			Program Requirements		
Elective	General Education Elective	3			
Choose C501 or C507 Certifica	ate		0.00		
C501 Certificate					
INM 1200	Mechanics	3			
INM 1206	Intro to Industrial Maintenance Technology	2			
INM 1210	Blueprints and Schematics	3			
INM 2210	Occupational Safety (OSHA)	1			
INM 2228	Lean Manufacturing	3	-		
	Loan Manuaciumy	3	-		
507 Certificate	D 11 0 1 " :				
INM 2206	Programmable Controllers I	3			
INM 2207	Robotics Technology	3	0.00		
			T.		
INM 2208	Programmable Controllers II	3	The AAS degree in Industr		
				ial Maintenance Technology as articulated fulfills the 22	
INM 2211	Mechatronics I	4	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212	Mechatronics I Programmable Controllers III	3	technical elective course		ent &
INM 2211	Mechatronics I	4	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201	Mechatronics I Programmable Controllers III	3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate	Mechatronics I Programmable Controllers III Technical Math	3 4	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212	Mechatronics I Programmable Controllers III Technical Math CPT Safety	3 4	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality	4 3 4 3 3 3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213 INM 1214	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process	3 4 3 3 3 3 3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213 INM 1214 INM 1215	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality	4 3 4 3 3 3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 C503 Certificate	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness	3 3 3 3 3 3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213 INM 1214 INM 1215	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process	3 4 3 3 3 3 3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 C503 Certificate	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness	3 4 3 3 3 3 3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 C503 Certificate EGR 1131 INM 1205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power	3 3 3 3 3 3 3	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 C502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 C503 Certificate EGR 1131 INM 1205 INM 1200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	3 3 3 3 3 3 3 3 5	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 503 Certificate EGR 1131 INM 1205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course	requirements for the BS degree in Industrial Manageme	ent &
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	3 3 3 3 3 3 3 3 5	technical elective course	requirements for the BS degree in Industrial Manageme). Any unarticulated courses will satisfy general elective	ent &
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE	requirements for the BS degree in Industrial Manageme). Any unarticulated courses will satisfy general elective	ent & credit
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110	cequirements for the BS degree in Industrial Manageme Any unarticulated courses will satisfy general elective College Physics/Lab Geometric Dimensioning and Tolerancing	ent & credit
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208	cequirements for the BS degree in Industrial Manageme Any unarticulated courses will satisfy general elective College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes	ent & credit
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305	requirements for the BS degree in Industrial Manageme). Any unarticulated courses will satisfy general elective College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety	ent & credit
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140	continue to the BS degree in Industrial Manageme Any unarticulated courses will satisfy general elective College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Cours	4 3 3 3 C: 3-4
INM 2211 INM 2212 MTH 1201 5502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 5503 Certificate EGR 1131 INM 1205 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323**	college Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in C	4 3 3 3 C; 3-3
INM 2211 INM 2212 MTH 1201 S02 Certificate INM 1212 INM 1213 INM 1214 INM 1215 S03 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 340 -or- PSYC 323**	cequirements for the BS degree in Industrial Manageme Any unarticulated courses will satisfy general elective College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clarto to Supervision -or- Organizational Psychology Production & Inventory Management	4 3 3 3 C: 33
INM 2211 INM 2212 INM 2212 MTH 1201 502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 503 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clintro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 MTH 1201 S02 Certificate INM 1212 INM 1213 INM 1214 INM 1215 S03 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clintro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 MTH 1201 S02 Certificate INM 1212 INM 1213 INM 1214 INM 1215 S03 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 340 -or- PSYC 323**	cequirements for the BS degree in Industrial Manageme Any unarticulated courses will satisfy general elective College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clarto to Supervision -or- Organizational Psychology Production & Inventory Management	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 INM 2212 MTH 1201 502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 503 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B MAE 110 IMAE 208 IMAE 307 -or- MATH 140 IMAE 307 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 392 IMAE 442	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clintro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 INM 2212 MTH 1201 502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 503 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 307-or- MATH 140 IMAE 340-or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 390 IMAE 391 IMAE 392 IMAE 442 IMAE 4445	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clintro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 MTH 1201 S02 Certificate INM 1212 INM 1213 INM 1214 INM 1215 S03 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/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 445	college Physics/Lab College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in 0 Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 INM 2212 MTH 1201 502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 503 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 450 IMAE 450 IMAE 465	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in 0 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	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 MTH 1201 S02 Certificate INM 1212 INM 1213 INM 1214 INM 1215 S03 Certificate EGR 1131 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	technical elective course Applied Engineering (IMAE PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 390 IMAE 430 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 456 IMAE 470A	College Physics/Lab College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in C 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	44 33 33 33 33 33 33 33 33 33 33 33
INM 2211 INM 2212 MTH 1201 5502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 5503 Certificate EGR 1131 INM 1205 INM 1205 INM 2200	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B MAE 110 MAE 208 IMAE 305 IMAE 307 IMAE 307 IMAE 307 IMAE 375 IMAE 382 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clintro 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	44 33 33 33 33 33 33 33 33 33 33 33 33 3
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B MAE 110 MAE 208 MAE 305 MAE 307 -or- MATH 140 MAE 340 -or- PSYC 323** MAE 390 MAE 392 MAE 445 MAE 450 MAE 450 MAE 470B MAE 470B MAE 470B MAE 470B	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in 0 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	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B MAE 110 MAE 208 IMAE 305 IMAE 307 IMAE 307 IMAE 307 IMAE 375 IMAE 382 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in Clintro 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 6 6
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1215 2503 Certificate EGR 1131 INM 1205 INM 1205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I	4 3 4 3 3 3 3 3 3 3 5 5	PHYS 203B/253B MAE 110 MAE 208 MAE 305 MAE 307 -or- MATH 140 MAE 340 -or- PSYC 323** MAE 390 MAE 392 MAE 445 MAE 450 MAE 450 MAE 470B MAE 470B MAE 470B MAE 470B	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in 0 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	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 6 6
INM 2211 INM 2212 MTH 1201 2502 Certificate INM 1212 INM 1213 INM 1214 INM 1214 INM 1215 INM 1215 INM 1215 INM 2200 INM 2200 INM 2205	Mechatronics I Programmable Controllers III Technical Math CPT Safety CPT Quality CPT Manufacturing Process CPT Maintenance Awareness Engineering Graphics and Design Fluid Power Electo-Mechanics I Electo-Mechanics II	3 3 3 3 3 3 3 3 5 5 5 5	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 450 IMAE 445 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE Electives	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Technology -or- Short Course in C 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 4 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 -
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