Lake Land College	EGREE PLAN				
	2021-2022		Southern Illinois University Carbondale		
AAS Mechanical-Electrical Tech	nnology - 64 hrs		BS Industrial Management and Applied Engineerin		
			University Core Curriculum (UCC) Capstone O	ption - 30 hrs	
		Hrs	115107.404	0.11.0	Hrs
ENO 400	0		UNIV 101	Saluki Success	NA T
ENG 120	Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			CMST 101	Intro to Oral Communication	3
MAT 130	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra	<u>T</u>
	SOCIAL SCIENCE	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
	ECONOMICS ELECTIVE	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	Т
			HUMANITIES		3
			HUMANITIES		NA
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		12			16
Program Requirements			Program Requirements		
APT 050	Electrical Principles and Practices	4			
APT 051	Solid State Devices & Applications	4			
CAD 056	CAD I	2			
CIM 060	CNC Machining	3			
CIS 068	Computer Applications-Special Topics	2			
EET 072	Relays and Control Circuits	2			
EET 086	Programmable Logic Controllers I	2			
IND 043	Refrigeration Fundamentals	4	1		
IIND 044	Fluid Power	3		nnology as articulated fulfills the 22 hrs of technical electi	ves required
IND 044 IND 052	Fluid Power Flectrical Installation Procedures	3		nnology as articulated fulfills the 22 hrs of technical electi ndustrial Management & Applied Engineering.	ves required
IND 052	Electrical Installation Procedures	2.5			ves required
IND 052 IND 054	Electrical Installation Procedures Trouble Shooting & Previous Maintenance	2.5 3			ves required
IND 052 IND 054 MET 043	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I)	2.5 3 2.5			ves required
IND 052 IND 054 MET 043 MET 084	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms	2.5 3 2.5 3			ves required
IND 052 IND 054 MET 043 MET 084 MTT 050	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures	2.5 3 2.5 3 3			ves required
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I	2.5 3 2.5 3 3 2.5			ves requireu
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals	2.5 3 2.5 3 3 2.5 2.5 2.5			ves requireu
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 3 2.5 2.5 2.5	for the BS degree in I	ndustrial Management & Applied Engineering.	
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals	2.5 3 2.5 3 3 2.5 2.5 2.5 4			ves required
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 3 2.5 2.5 2.5	for the BS degree in In	ndustrial Management & Applied Engineering. Short Course in Calculus	Т
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B	Short Course in Calculus College Physics/Lab	T 4
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing	T 4 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes	T 4 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety	T 4 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323**	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology	T 4 3 3 3 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management	T 4 3 3 3 3 3 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323**	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology	T 4 3 3 3 3 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management	T 4 3 3 3 3 3 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating	T 4 3 3 3 3 3 3 3 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety 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
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 305 IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 465	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 465 IMAE 470A	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 305 IMAE 375 IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 446 IMAE 470A IMAE 470B IMAE 470B	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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
IND 052 IND 054 MET 043 MET 084 MTT 080 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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 6
IND 052 IND 054 MET 043 MET 084 MTT 080 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 305 IMAE 375 IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 446 IMAE 470A IMAE 470B IMAE 470B	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives MAT 211	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses Math Analysis	2.5 3 2.5 3 3 2.5 2.5 4 4 53	MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 465 IMAE 470A IMAE 470B IMAE 476 IMAE Electives	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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 6 52
IND 052 IND 054 MET 043 MET 084 MTT 080 TEC 040 WEL 057 Career Electives	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses Math Analysis	2.5 3 2.5 3 3 2.5 2.5 2.5 4	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 305 IMAE 375 IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 446 IMAE 470A IMAE 470B IMAE 470B	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives MAT 211 Total semester hrs completed	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses Math Analysis	2.5 3 2.5 3 3 2.5 2.5 4 4 53	for the BS degree in In MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 470A IMAE 470A IMAE 470B IMAE 476 IMAE Electives Total semester hrs completed w/ BS degree:	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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 6 52
IND 052 IND 054 MET 043 MET 084 MTT 050 TEC 040 WEL 057 Career Electives MAT 211	Electrical Installation Procedures Trouble Shooting & Previous Maintenance Motors and Generators (Module I) Technical Mechanisms Introduction to Machining Procedures Blueprint Reading for Industry I Welding Fundamentals Choose from approved courses Math Analysis	2.5 3 2.5 3 3 2.5 2.5 4 4 53	MATH 140 (Fulfills BS degree requirement) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 465 IMAE 470A IMAE 470B IMAE 476 IMAE Electives	Short Course in Calculus College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided 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 6 52