PROGRAM ARTICULATION DE Southwestern Illinois College		 	Southern Illinois University Carl	nondale	+
	nditioning & Refrigeration- 72 hours	1	BS Industrial Management & Appli		1
AAS Heating, ventilation, All Col	nditioning & Reingeration- 72 hours	Т	University Core Curriculum (UCC		_
		Hrs	University Core Curriculum (OC)	c) Capstone Option - 30 hrs	Hrs
		піз	UNIV 101	Saluki Success	NA
COMM 151	Fundamentals of Public Speaking	3	CMST 101	Intro:Oral Communication	T
ENG 101	Rhetoric & Composition	3	ENGL 101	English Composition I	Ť
ENG IUI	Rifetoric & Composition	- 3	ENGL 101	English Composition II	
MATILIAAO	College Algebra	_			NA T
MATH 112	College Algebra	4	MATH 108	College Algebra	T
	Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
	III Balatian Orania	-	SOCIAL SCIENCE	0 0007 (5 : 1 0 : 1	3
	Human Relations Course	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		NA
			PHYS 203A -and- 253A	College Physics w/Lab	4
			LIFE SCIENCE		3
			FINE ARTS		3
HES 151	Personal Health & Wellness	2	_PH 101	Foundations of Human Health	Т
			MULTICULTURAL		3
		18			16
Program Requirements			Program Requirements		
CMT 244	Occupational Safety & Health I	3			
HVAR 100	Fitting, Fusion, & Fabrication	4			
HVAR 101	Refrigeration & Air Conditioning Principles I	4			
HVAR 103	Basic Electrical Controls & Systems	4			
HVAR 152	Advanced Refrigeration & A.C. Principles	4			
HVAR 153	Heating Fundamentals	4			
HVAR 201	Psychrometrics & Load Calculations	1 4			
HVAR 201 HVAR 202	Psychrometrics & Load Calculations Commercial Refrigeration I	4	The AAS degree in Heating,	Ventilation, Air Conditioning & Refrigeration	n as
HVAR 202	Commercial Refrigeration I	4		Ventilation, Air Conditioning & Refrigeration technical elective course requirements for t	
HVAR 202 HVAR 208	Commercial Refrigeration I Intro to HVAR Computer Applications	4 1.5	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire	4 1.5 3	articulated fulfills the 15 hrs of		
HVAR 202 HVAR 208 HVAR 211 HVAR 251	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II	4 1.5 3 4	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design	4 1.5 3 4 4	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems	4 1.5 3 4 4 4	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation	4 1.5 3 4 4 4 3	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification	4 1.5 3 4 4 4 4 3 0.5	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 4 3 0.5	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of	technical elective course requirements for t	
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 4 3 0.5	articulated fulfills the 15 hrs of degree fin Industrial M	technical elective course requirements for t anagement & Applied Engineering (IMAE).	the BS
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M	technical elective course requirements for t anagement & Applied Engineering (IMAE).	the BS
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B	technical elective course requirements for tanagement & Applied Engineering (IMAE). College Physics w/Lab Geometric Dimensioning & Tolerancing	the BS
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B IMAE 110	technical elective course requirements for tanagement & Applied Engineering (IMAE). College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes	4 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 308	technical elective course requirements for tanagement & Applied Engineering (IMAE). College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety	4 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307	technical elective course requirements for tanagement & Applied Engineering (IMAE). College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech	4 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340	technical elective course requirements for tanagement & Applied Engineering (IMAE). College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision	4 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management	4 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating	4 3 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management	4 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 345 IMAE 375 IMAE 390	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 390	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial Model of the Industri	contection anagement & Applied Engineering (IMAE). College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M H H H H H H H H H H H H H H H H H H	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial Model of the Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial Model of the Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M legree fin Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial Model of the Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M legree fin Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 262 HVAR 263 - or - 280	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods Heat Pumps -or- Commercial Cooking Equipment I	4 1.5 3 4 4 4 3 0.5 1 2 54	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M legree fin Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 300/400 level	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 260 HVAR 262	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods Heat Pumps -or- Commercial Cooking Equipment I	4 1.5 3 4 4 4 3 0.5 1	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M legree fin Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 300/400 level	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
HVAR 202 HVAR 208 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 262 HVAR 263 - or - 280	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods Heat Pumps -or- Commercial Cooking Equipment I	4 1.5 3 4 4 4 3 0.5 1 2 54	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M PHYS 203B -and- 253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 445 IMAE 470A IMAE 470B IMAE 470B IMAE 476 IMAE Elective	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 300/400 level	4 3 3 3 3 3 3 3 3 3 3 3 3 5 5 2 6 8
HVAR 202 HVAR 208 HVAR 208 HVAR 211 HVAR 251 HVAR 252 HVAR 256 HVAR 258 HVAR 260 HVAR 262 HVAR 263 - or - 280	Commercial Refrigeration I Intro to HVAR Computer Applications Distribution Panels & Elect. Building Wire Commercial Refrigeration II Air Conditioning & Heating Systems Design Advanced Elect. Controls & Systems National Electrical Code Interpretation Refrigerant Transition/Recovery Certification Air Delivery Systems Materials & Methods Heat Pumps -or- Commercial Cooking Equipment I	4 1.5 3 4 4 4 3 0.5 1 2 54	articulated fulfills the 15 hrs of degree fin Industrial M degree fin Industrial M legree fin Industri	college Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision 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 300/400 level	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3