Associate in Applied Science

HVACR Technology

Course Sequence Guide

Student:		
Email:	ID:	
Advisor:	Ph:	

YEAR 1 - FALL SEMESTER

			Crs	Gr	
HVAC	101	Introduction to Refrigeration & A/C Systems (co-req MATH 116)	4		
HVAC	111	Electricity-Blueprints-Fabrication (co-req MATH 116)	4		
MATH	116	Intermediate Algebra & Numerical Trigonometry (C- in MATH 110 or 19 ACT)	4		
ENGL	150	English 1	3		
FSUS	100	FSU Seminar	1		
		Total	**16**		

YEAR 1 - SPRING SEMESTER

			Crs	Gr	
HVAC	102	Advanced Refrigeration & A/C (C- or better in HVAC 101, HVAC 111 & MATH 116)	4		
HVAC	117	Advanced Electricity-Circuits (C- or better in HVAC 111 & MATH 116)	4		
HVAC	132	Fund of Heating & Mechanical Systems (C- or better in HVAC 111 & MATH 116)	5		
		Scientific Understanding Elective (PHYS 130 or 211, CHEM 103, 114 or 121, or BIOL 111. Must Include a Lab Section)	4		
		Total	**17**		

YEAR 2 - FALL SEMESTER

			Crs	Gr	
HVAC	235	Advanced Heating-Mechanical Systems (C- or better in HVAC 117 & HVAC 132)	5		
HVAC	245	HVAC Unitary System Design (C- or better in HVAC 101 & HVAC 132)	4		
ISYS	105	Microcomputer Applications	3		
ENGL	211	Industrial and Career Writing (ENGL 150)	3		
		Cultural Enrichment Elective	3		
		Total	**18**		

YEAR 2 - SPRING SEMESTER

			Crs	Gr	
HVAC	207	Commercial Refrigeration Systems (C- or better in HVAC 102 & HVAC 117)	5		
HVAC	208	Air Conditioning Applications (C- or better in HVAC 102 & HVAC 117)	5		
COMM	121	Fundamentals of Public Speaking	3		
		Social Awareness Elective	3		
		Total	**16**		

Learning Outcomes include:
 1) demonstrate installation techniques for residential/light commercial HVAC systems,
2) service residential/light commercial HVAC equipment,
3) service commercial refrigeration equipment,
4) systematically troubleshoot and repair commercial refrigeration equipment,
5) systematically troubleshoot and repair residential/light commercial HVAC equipment,
6) design residential/light commercial HVAC systems.

Contact the HVACR Program office
for more information!
Phone: 231-591-2608
Email:hvacr@ferris.edu
www.ferris.edu/hvacr

Fall 2014
4/30/14

FERRIS STATE UNIVERSITY
Imagine More

Associate in Applied Science
HVACR Technology
Program Academic Requirements

Student:							Code	Location	Crs
email:			ID:					Ferris	
Advisor:			Ph:				1	Transfer	

		MAJOR	Cr	Gr	Pts	S	Yr	Code	Notes
HVAC	101	Intro to Refrig & A/C Systems (co-req MATH 116)	4						
HVAC	102	Advanced Refrigeration & A/C (C- or better in HVAC 101, HVAC 111 & MATH 116)	4						
HVAC	111	Electricity-Blueprints-Fabrication (co-req MATH 116)	4						
HVAC	117	Advanced Electricity-Circuits (C- or better in HVAC 111 & MATH 116)	4						
HVAC	132	Fund of Heating & Mechanical Systems (C- or better in HVAC 111 & MATH 116)	5						
HVAC	207	Commercial Refrigeration Systems (C- or better in HVAC 102 & HVAC 117)	5						
HVAC	208	Air Conditioning Applications (C- or better in HVAC 102 & HVAC 117)	5						
HVAC	235	Advanced Heating-Mech System (C- or better in HVAC 117 & HVAC 132)	5						
HVAC	245	HVAC Unitary System Design (C- or better in HVAC 101 & HVAC 132)	4						
		TECHNICAL RELATED							
ISYS	105	Microcomputer Applications	3						
		COMMUNICATIONS COMPETENCE							
ENGL	150	English 1	3						
ENGL	211	Industrial and Career Writing (ENGL 150)	3						
COMM	121	Fundamentals of Public Speaking	3						
		QUANTITATIVE SKILLS							
MATH	116	Interm. Algebra & Numerical Trig (ACT 19 or MATH 110)	4						
		SCIENTIFIC UNDERSTANDING							
		Scientific Understanding Elective (PHYS 130 or 211, CHEM 103, 114 or 121, BIOL 111. Course must have a lab)	4						
		CULTURAL ENRICHMENT							
		Cultural Enrichment Elective	3						
		SOCIAL AWARENESS							
		Social Awareness Elective	3						
		FRESHMEN SEMINAR							
FSUS	100	FSU Seminar	1						
		Unofficial Statistics							
		Major: Total Crs / Earned Crs / Honor Points	40						
		Degree: Total Crs / Earned Crs / Honor Points	67						
		GPA Major:	-						
		GPA Degree:	-						

AAS Minimum General Education Requirements:

Cultural Enrichment (CE) – 3 credits, Social Awareness (SA) - 3 credits, Communications - 6 credits, Scientific Understanding - 3/4 credits
Reference: http://www.ferris.edu/htmls/academics/gened/gen_edspecific.htm

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