Last Name

First Name

ASSOCIATE OF APPLIED SCIENCE HEATING, REFRIGERATION, AND AIR CONDITIONING TECHNOLOGY DEGREE PLAN

Effective 2022-2023

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	INSTALLER CERTIFICATE	TECHNICIAN CERTIFICATE	DEGREE
Electricity for HVAC (5)	HRA101				Х	Х	Х
Principles of Refrigeration (5)	HRA105				Х	X	Χ
Refrigeration and A/C Mechanical Systems (5)	HRA125				Х	Х	Χ
Intro to International Mechanical Code (3)	HRA135					Х	Χ
Piping Design, Sizing, & Installation for HRA (3)	HRA145				Х	Х	Χ
Customer Relations and Record Keeping (2)	HRA150				Х	Х	Χ
Duct, Envelope Testing, and Leakage Detection (2)	HRA155					X	Χ
Sheet Metal Design, Sizing & Installation for HRA (3)	HRA160				Х	Х	Χ
Residential Gas Heating Systems (4)	HRA205					Х	Χ
Electric and Hydronic Heat (2)	HRA210					Х	Χ
Residential Air Conditioning Systems (3)	HRA216					Х	Χ
Advanced Electricity for HVAC (3)	HRA230					Х	Χ
Heat Pumps and Mini-Splits (3)	HRA240					Х	Χ
Commercial Refrigeration Systems (5)	HRA249					Х	Χ
Technical Internship (1-3) optional	INT191,192, or193						
Group I. Communications (3)	ENG101(H)						Χ
Group II. Humanities/Communications (3)							Χ
Group III. Social/Behavioral Sciences (3)							Χ
Civics (3)							Χ
MO Higher Ed Civics Exam	PSC001						Χ
Group IV. Math and/or Science (3)							Χ
Industrial Math (3)	MTH105*					Х	Χ
Group V. Computer Literacy (3)							Χ
Group VI. First Year Experience (1-3)					Х	Х	Х
Student Signature/Date			-				
Advisor Signature/Date							

Advisor Signature/Date

Total Credit Hours: 24 52 70

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I. Communications 3 hrs.

ENG101(H) English Comp. I required

Group II. Humanities/Communications 3 hrs.

<u>See MOTR CORE 42 list for choices</u> Cannot use Performance classes

Group III. Social/Behavioral Sciences 6 hrs.

3 hours must fulfill Civics requirement

See MOTR CORE 42 list for choices

Group IV. Math and/or Science 6 hrs.

MTH105 Industrial Math* required

MGT103*;MTH110*,128*;

See MOTR CORE 42 list for additional choices

Group V. Computer Literacy 3 hrs.

CIS125*; EDU205*

Group VI. First Year Experience 1-3 hrs.

COL100*, COL101*, or COL136* required

NOTE: Students must complete at least 15 credit hours at Jefferson College to meet the residency requirement for graduation. Computer literacy requirement must be completed with "C" or better.

^{*}These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.