

Heating, Ventilation, Air Conditioning, Refrigeration



Residential HVAC Technician

Qualified Federal Financial Aid Program

Course	Title	Credits
HVA 100	Safety Training For The Trades	.5
HVA 102	Basic Refrigeration	4
HVA 104	Electrical Components For A/C	4
HVA 105	Electricity For HVAC/R	4
HVA 110	Fundamentals Of Gas Heating	4
HVA 111	Piping Skills	4
HVA 112	R-410a	1
HVA 113	Refrigerant Recovery Training	1
HVA 134	Air Conditioning Systems	4
HVA 140	Basic Sheet Metal ⁴	
HVA 142	Residential Air Conditioning	4
HVA 143	HVAC Troubleshooting	4
HVA 192	Refrigerant Retrofit Training	1.5
Total Program Credits		40

Estimated Program Cost

\$3,602.00

Estimated Completion Time

10 months

Refrigeration Technician

Qualified Federal Financial Aid Program

HVA 100	Safety Training For The Trades	.5
HVA 102	Basic Refrigeration	4
HVA 104	Electrical Components For A/C	4
HVA 111	Piping Skills	4
HVA 112	R-410a	1
HVA 113	Refrigerant Recovery Training	1
HVA 121	Residential Refrigeration	4
HVA 132	Air Conditioning & Refrigeration	4
HVA 192	Refrigerant Retrofit Training	1.5
HVA 206	Mechanical Code 4	
HVA 233	Advanced Refrigeration	4
HVA 235	Specialty Refrigeration Controls	4
Total Program Credits		36

Estimated Program Cost

\$3,254.00

Estimated Completion Time

10 months

Commercial and Residential Technician

Qualified Federal Financial Aid Programs

HVA 100	Safety Training For The Trades	.5
HVA 102	Basic Refrigeration	4
HVA 104	Electrical Components for Air Conditioning and Refrigeration	4
HVA 105	Electricity for HVAC	4
HVA 110	Fundamentals of Gas Heat	4
HVA 111	Piping Skills	4
HVA 112	R-410a	1
HVA 113	Refrigerant Recovery Training	1
HVA 192	Refrigerant Retrofit Training	1.5
HVA 134	Air Conditioning Systems	4
HVA 124	Advanced Air Conditioning	4
HVA 140	Basic Sheet Metal ⁴	
HVA 142	Residential A/C	4
HVA 143	Residential HVAC Troubleshooting	4
HVA 201	Heating for Commercial	3
HVA 265	Commercial Heating Systems	4
Total Program Credits		51

Estimated Program Cost

\$4,559.00

Estimated Completion Time

12 months

- One of the top three fastest growing occupations in the nation
- Excellent, high-paying jobs with benefits available
- 94 % placement rate for students who complete the program
- Challenging work with great potential for career advancement
- Flexible class schedules
- Hands-on training
- Most affordable training in the region



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Heating, Ventilation, Air Conditioning Job Information

PROGRAM DESCRIPTIONS

Residential HVAC Technician

Qualified Federal Financial Aid Program

Learn all aspects of residential heating and air-conditioning, including installation, maintenance, and repair of split systems, air-to-air heat pumps, electric resistance heating, standard and high efficiency furnaces, humidification, and filtration.

Refrigeration Technician

Qualified Federal Financial Aid Program

Food preservation and cold storage are the focus of this program. Domestic and light commercial refrigeration are covered, including commercial reach-ins, walk-ins, supermarket, and specialty units.

Designing and Installing HVAC Systems

Qualified Federal Financial Aid Program

Teaches heat loss and heat gain calculations for single and multifamily structures. Learn methods based on ACCA manual J-7, J-8. ACCA manual D is used to design system ducts. Hands-on training with Wright-soft HVAC design software is included.

Other Available Programs

Analyzing and Controlling Air Quality and Ventilation

Commercial and Residential HVAC Technician

Commercial HVAC

Commercial Refrigeration

Fundamentals of HVAC/R

Manual J and D + Right Suite

Recovery and Reclaim (EPA Certification)

Residential Forced Air Heating

Residential Split Systems

Residential Hydronic Heating Systems

Sheet Metal Fundamentals

RELATED JOB TITLES

HVAC installers

HVAC service technicians

HVAC design engineers

TRANSFERABLE JOB SKILLS

Blueprint reading

Control wiring

Data entry

Energy management

Knowledge of environmental technologies

Pipefitting

Read and interpret schematic drawings

Welding

ESTIMATED SALARIES

(Based on Colorado Dept. of Labor Occupational Outlook Handbook)

Job Titles	Hourly Pay	Annual Salary
<i>HVAC Service Technicians</i>		
Entry Level	\$14.69	\$30,560
Experienced	\$26.75	\$55,640

POTENTIAL EMPLOYERS

Air conditioning supply companies

Building contractors

Building management companies

Heating & air conditioning contractors

Hotel/motel maintenance departments

Plumbing companies

Retailers

Wholesale supply houses

JOBS ONLINE

Go to the Emily Griffith Opportunity School web site at

<http://careers.egos-school.com>

Select "job links" for a listing of jobs available

REGISTRATION

See John Cleary, Advisor, at the 2nd floor registration area

or call 720-423-4716 for an appointment.

FINANCIAL AID

Available through the Financial Aid Office.

Call 720-423-4744 for information regarding the types of aid available for this course/program.

START COLLEGE HERE

Transfer up to 42 program credits to a Colorado community college, complete the five required academic courses, and earn an Associate's of Applied Sciences Degree.