

INSTRUCTOR
Desi Rigg
(563) 441-4211
drigg@eicc.edu

HEATING, VENTILATION & AIR CONDITIONING

Program Description

This program provides all of the skills necessary to gain meaningful employment as an entry-level Heating, Ventilation & Air Conditioning (HVAC) technician. Our students obtain extensive hands-on experience in the repair, maintenance and installation of a wide variety of heating, air conditioning, refrigeration, and ventilation systems. Both residential and commercial systems are covered to provide students with a wide variety of experience. Classes in HVAC are taught by lecture and followed by appropriate laboratory experiences, building both hands-on and application skills. The HVAC program will provide the opportunity for students to complete Industry Competency Residential and Light Commercial Competency Exams.

Award Options

Certificate (two semesters)
Diploma (one year)
Associate of Applied Science Degree (two years)

Job Outlook

The Department of Labor says that 60,000 jobs will go unfilled in the HVAC industry this year. The DOL also ranks the HVAC industry as one of the top 10 fastest growing careers and will be in the 10 through 2016. The top 10 fastest growing Careers will account for 32% of all employment in 2008 and 56% in 2016.

Earnings

HVAC technicians' salaries depend on experience. Students coming right out of school can start with pay between \$27,800-\$35,500 a year with benefits. As technicians become more experienced or complete an apprenticeship, the salaries can increase to \$50,000 a year. Scott Community College graduates have a 76% percent placement rate and make an average of \$30,000 a year.

Companies that have hired SCC HVAC graduates

Gabrilson Heating and Air Conditioning	Crawford Company
Schebler Company	Ragan Mechanical
Hawkeye Heating & Air Conditioning	Doug's Heating and Air Conditioning
Climate River Valley, Inc.	Klauer Heating and Air Conditioning
Bettendorf Heating & Air Conditioning	Kale Company
Climatronics Heating & Air Conditioning	Trane Company
University of Iowa Hospitals	Illini Hospital
Trinity Medical Center	Indian Ridge Apartments
Wirth Heating and Air Conditioning	Holmes Sales and Service
Johnson Contracting	Quad City Geothermal
Johnson Controls	Northwest Mechanical
Plumbers and Pipe Fitters Local Union #25	Atwell Heating and Air Conditioning
Sheet Metal Workers Local Union #91	



CLINTON ♦ MUSCATINE ♦ SCOTT
COMMUNITY COLLEGES
EASTERN IOWA COMMUNITY COLLEGE DISTRICT

www.eicc.edu

1-888-336-3907
toll-free

HEATING, VENTILATION & AIR CONDITIONING

FIRST SEMESTER

	Hours
HCR:308 Refrigeration Fundamentals	5
HCR:405 Basic Electricity for HVAC Technicians	5
HCR:260 HVAC Trade Skills I	3
English or Communication Skills - Gen Ed. Elective	<u>3</u>
	16

SECOND SEMESTER

HCR:116 Domestic Heating	5
HCR:261 HVAC Trade Skills	3
HCR:441 HVAC Controls and Circuitry	5
HCR:890 Professional Development for HVAC Technicians	2
Math- Gen Ed. Elective	<u>3</u>
	18

SUMMER SESSION

HCR:271 Advanced Domestic Heating and Air Conditioning	5
HCR:880 Industrial Competency Exam (ICE)	<u>1</u>
	6

HEATING, VENTILATION AND

AIR CONDITIONING DIPLOMA AWARDED TOTAL **40**

THIRD SEMESTER

HCR:802 Control Systems for HVAC	4
HCR:291 Commercial Systems	3
HCR:860 HVAC Management and Business Fundamentals	3
Approved Humanities Elective	3
HVAC Elective*	<u>3</u>
	16

FOURTH SEMESTER

HCR:320 Light Commercial Refrigeration	6
HCR:805 Environmental Controls & Equipment	5
HCR:811 Computer-Aided Control System Design	3
HCR:885 Light Commercial Exam	<u>1</u>
	15

A.A.S. AWARDED **71**

* HVAC Electives: HCR525 Welding for HVAC and CSC110 Introduction to Computers

CERTIFICATE PROGRAM

FIRST SEMESTER

HCR:308 Refrigeration Fundamentals	5
HCR:405 Basic Electricity for HVAC Technicians	<u>5</u>
	10

SECOND SEMESTER

HCR:116 Domestic Heating	5
HCR:441 HVAC Controls and Circuitry	<u>5</u>
	10

CERTIFICATE AWARDED **20**

ADMISSIONS OFFICER

LaDrina Wilson

lnwilson@eicc.edu

(563) 441-4007

FAX (563) 441-4101

JOB PLACEMENT/STUDENT
SUCCESS SPECIALIST

Wayne Cole

wcole@eicc.edu

(563) 441-4021

FAX (563) 441-4204

SCOTT COMMUNITY COLLEGE

500 Belmont Road

Bettendorf, IA 52722

(563) 441-4001

1-800-895-0811

The Eastern Iowa Community College District endorses the principle of equal educational opportunities for all people regardless of race, color, creed, marital status, national origin, sex, sexual orientation, religion, ancestry, age, or non-job related handicap or disability in the educational programs or activities it operates. Persons having inquiries concerning the district's accommodation for or compliance with Title VI, Title IX, Section 504, the Americans with Disabilities Act and the Age Discrimination Act may contact: Affirmative Action Officer, 306 West River Drive, Davenport, IA 52801-1221 or call (563) 336-3300

4/09 AG



CLINTON ♦ MUSCATINE ♦ SCOTT
COMMUNITY COLLEGES
EASTERN IOWA COMMUNITY COLLEGE DISTRICT

www.eicc.edu

1-888-336-3907

toll-free