

HEATING, VENTILATION & AIR CONDITIONING



**SCOTT COMMUNITY
COLLEGE CAMPUS**

Instructor

Desi Rigg

(563) 441-4211

drigg@eicc.edu

Instructor

John Blair

(563) 441-4210

jblair@eicc.edu

[www.eicc.edu/
manufacturingcareers](http://www.eicc.edu/manufacturingcareers)

www.eicc.edu
1888-336-3907

Toll-free

Our Web Links:

www.eicc.edu/apply

www.eicc.edu/visit

www.eicc.edu/programs

www.eicc.edu/daretocompare

www.eicc.edu/financialaid

www.eicc.edu/catalog

*Tuition and fees subject to change
by the EICCD Board of Trustees.*

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

Employment of heating, air-conditioning, and refrigeration mechanics and installers is projected to increase 28 percent during the 2008-18 decade, much faster than the average for all occupations. As the population and stock of buildings grows, so does the demand for residential, commercial, and industrial climate-control systems. Median hourly wages of heating, air-conditioning, and refrigeration mechanics and installers were \$19.08 in May 2010. The middle 50 percent earned between \$14.94 and \$24.84 an hour. The lowest 10 percent earned less than \$12.19, and the top 10 percent earned more than \$30.59.

For details, please visit this link <http://www.bls.gov/oco/>



FUEL
your mind.

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

Since the colleges of EICCD are continually reviewing programs, information in the course catalog may change. Please visit www.eicc.edu/catalog for any program updates which have occurred since the most recent edition of the catalog.

HEATING, VENTILATION & AIR CONDITIONING

Clinton Community College

1000 Lincoln Boulevard,
Clinton, IA 52732
(563) 244-7001
1-800-638-0559
www.facebook.com/
clintoncommunitycollegeia

Admissions Officer

Heather Mohler
hmohler@eicc.edu
(563) 244-7007
FAX (563) 244-7107

Muscatine Community College

152 Colorado Street,
Muscatine, IA 52761
(563) 288-6001
1-800-351-4669
www.facebook.com/
muscatinecommunitycollegeia

Admissions Officer

Katie Watson
klwatson@eicc.edu
(563) 288-6012
FAX (563)288-6014

Scott Community College

500 Belmont Road,
Bettendorf, IA 52722
(563) 441-4001
1-800-895-0811
www.facebook.com/
scottcommunitycollegeia

Admissions Officer

LaDrina Wilson
lnwilson@eicc.edu
(563) 441-4007
FAX (563) 441-4101

www.eicc.edu

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.

Program requirements subject to change. Please check with your advisor.

A.A.S. DEGREE

FIRST SEMESTER

HCR:260	HVAC Trade Skills (I)	3
HCR:308	Refrigeration Fundamentals	5
HCR:405	Basic Electricity for HVAC Technicians	5
COM:102	Communication Skills OR	
ENG:105	Composition I OR	
SPC:122	Interpersonal Communication	3
		16

SECOND SEMESTER

HCR:116	Domestic Heating	5
HCR:261	HVAC Trade Skills	3
HCR:441	HVAC Controls and Circuitry	5
HCR:851	HVAC-R Industrial Safety	2
MAT:104	Applied Math Topics OR	
MAT:110	Math for Liberal Arts OR	
MAT:121	College Algebra	3
		18

SUMMER SESSION

HCR:271	Advanced Domestic Heating and Air Conditioning	5
HCR:880	Industry Competency Exam (ICE)-Residential	1
		40

DIPLOMA TOTAL

THIRD SEMESTER

HCR:291	Commercial Systems	3
HCR:802	Control Systems for HVAC	4
HCR:860	HVAC Management and Business Fundamentals	3
	HVAC Elective*	3
HUM:105	Working in America OR	
HUM:110	Changes and Choices	3
		16

FOURTH SEMESTER

HCR:320	Light Commercial Refrigeration	6
HCR:805	Environmental Controls and Equipment	5
HCR:811	Computer-Aided Control System Design	3
HCR:885	Light Commercial Competency Exam	1
SOC:110	Introduction to Sociology OR	
PSY:111	Introduction to Psychology	3
		18
		74

A.A.S. TOTAL

*HVAC Electives:

HCR:525	Welding for HVAC
CSC:110	Introduction to Computers
EGT/EGR:400	Introduction to Engineering Design

Clinton Community College

1000 Lincoln Boulevard,
Clinton, IA 52732
(563) 244-7001
1-800-638-0559

[www.facebook.com/
clintoncommunitycollegeia](http://www.facebook.com/clintoncommunitycollegeia)

Admissions Officer

Heather Mohler
hmohler@eicc.edu
(563) 244-7007
FAX (563) 244-7107

Muscatine Community College

152 Colorado Street,
Muscatine, IA 52761
(563) 288-6001
1-800-351-4669

[www.facebook.com/
muscatinecommunitycollegeia](http://www.facebook.com/muscatinecommunitycollegeia)

Admissions Officer

Katie Watson
klwatson@eicc.edu
(563) 288-6012
FAX (563)288-6014

Scott Community College

500 Belmont Road,
Bettendorf, IA 52722
(563) 441-4001
1-800-895-0811

[www.facebook.com/
scottcommunitycollegeia](http://www.facebook.com/scottcommunitycollegeia)

Admissions Officer

LaDrina Wilson
lnwilson@eicc.edu
(563) 441-4007
FAX (563) 441-4101

www.eicc.edu

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.

Program requirements subject to change. Please check with your advisor.

HEATING, VENTILATION AND AIR CONDITIONING CERTIFICATE

FIRST SEMESTER

HCR:308	Refrigeration Fundamentals	5
HCR:405	Basic Electricity for HVAC Technicians	5
HCR:851	HVAC-R Industrial Safety	2
		12

SECOND SEMESTER

HCR:116	Domestic Heating	5
HCR:441	HVAC Controls and Circuitry	5
		10
CERTIFICATE TOTAL		22