

Heating, Air Conditioning and Refrigeration Contractors Degree

Degree: Associate in Applied Science
Total Required Credits for Degree: minimum of 66
Program Requirements: 35
Electives: 12
General Education Credits: 19
Code: 3905

About the Program

The Contractors Degree is designed for students who want to own or manage an HVACR company. Students seeking this degree will be required to take the technical courses required for the HVAC program's Service Technician certificate, which will ensure their technical skills are strong. These courses will be complemented by business courses considered essential in today's challenging business environment.

Program web site: www.cod.edu/hvacr

Technical Program Requirements

Airc 1100	Refrigeration Principles.....	3
Airc 1105	Introduction to Safety, Materials and Equipment.....	3
Airc 1108	Refrigerant Certification	1
Airc 1110	Introduction to Controls.....	3
Airc 1180	Introduction to Heating	5
Airc 2201	Residential Air Conditioning	3
Airc 2225	Troubleshooting Systems	3
Airc 2246	Load Calculations and Duct Design.....	5
Airc 2260	HVACR Contracting.....	3
Busin 1100	Introduction to Business	3
Manag 2210	Principles of Management.....	3
Total.....		35

Electives

Select up to 12 credit hours from the following courses:

Accou 1140	Financial Accounting	4
Airc 2862	Cooperative Education/Internship (Occupational)	2
CIS 1110	Using Computer: An Introduction.....	2
Manag 2240	Human Resource Management	3
Marke 2220	Sales.....	3

General Education Requirements

Each candidate for the Contractors Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 19 credits in General Education. The following summarizes the courses required in each of the specified General Education areas:

Communications: 6 credits required
Required courses: English 1101, Speech 1100

Physical/Life Sciences: 3 to 5 credits required
 Select at least one course with a lab component.
Required course: Earth Science 1111 (Chemistry 1105 or Physics 1100 may be substituted.)

Mathematics: 3 to 5 credits required
Required course: Mathematics 1115

Humanities and Fine Arts: 3 credits required
Required course: See the *Student Planning Worksheet* for course options.

Social and Behavioral Sciences: 3 credits required
Required course: Psychology 1100

Additional A.A.S. Degree Requirements

A minimum of 2 credits must be completed from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.
Required course: Air Conditioning 1110 (already listed under Technical Program Requirements)

Key First Semester Courses

For a full-time student, the following courses are recommended:

Airc 1100	Refrigeration Principles.....	3
Airc 1108	Refrigerant Certification	1
Airc 1110	Introduction to Controls.....	3
Busin 1100	Introduction to Business	3
English 1101	English Composition I	3
Math 1115	Technical Mathematics I.....	3

Program Notes

1. Refer to the current College of DuPage *Catalog* for course prerequisites.
2. Many courses transfer to baccalaureate-granting institutions. Consult with a program adviser to set up a program of study that meets your needs.

Additional Degrees offered by Heating, Air Conditioning and Refrigeration

Service Technician Degree.....	64 total credits
Building Environmental Degree.....	66 total credits

Advisers

If you are considering this program as an area of study, consult with a faculty adviser in this field:

	TE	Phone
Herb Haushahn, coordinator E-mail: haushahn@cod.edu	1063	(630) 942-2599
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