

HEATING, AIR CONDITIONING AND REFRIGERATION SERVICE TECHNICIAN, A.A.S.

The Heating, Air Conditioning and Refrigeration Service Technician degree offers training in current technology for diagnosing, servicing, repairing, installing and maintaining heating, air conditioning, refrigeration and energy systems. There are emphases in both residential and commercial HVACR to allow students to create their own career pathways. This degree requires a minimum of 64 credits in program requirements, program electives and general education in the courses listed below.

For more information about Heating, Ventilation, Air Conditioning & Refrigeration, please visit the program page (<http://www.cod.edu/hvacr/>).

Degree Requirements

Field of Study Code: HVACR.AAS.HVAC

Code	Title	Credits
Program Requirements		
HVACR 1100	Refrigeration Principles	3
HVACR 1105	Introduction to Safety, Materials and Equipment	3
HVACR 1108	Refrigerant Certification	1
HVACR 1110	Introduction to Electricity and Hvacr Controls	3
HVACR 1161	Introduction to Sheet Metal	2
HVACR 1181	Heating Principles	3
HVACR 2180	Residential and Light Commercial Forced-Air Heating	3
HVACR 2186	Hydronic Heating	3
HVACR 2201	Residential Air Conditioning	3
HVACR 2202	Commercial Air Conditioning	3
HVACR 2220	Installation	3
HVACR 2225	Troubleshooting Systems	3
Program Electives		
select at least 13 credits from hvacr course(s)/ (https://catalog.cod.edu/programs-study/heating-ventilation-air-conditioning-refrigeration/emphases/) ^{1,2}		13
General Education		
Select 18 to 22 credits ²		18-22
Total Credits		64-68

¹ Students may choose to focus elective coursework by focusing on Residential or Commercial Service by taking emphasis courses.

Students may also choose general electives in any HVACR courses.

² In addition to the courses listed above.

Emphases Courses

Residential Service

Code	Title	Credits
HVACR 2232	Energy Audits/Economics	2
HVACR 2240	Load Calculations and Duct Design	5
HVACR 2260	Heating and Air Conditioning Contracting	3

Commercial Service

Code	Title	Credits
HVACR 2210	Commercial Refrigeration	5
HVACR 2236	Central Cooling Plants	3
HVACR 2250	System Balancing	3

General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).