

FACILITY MAINTENANCE MECHANIC, A.A.S.

The **Facility Maintenance Mechanic degree** is designed for the individual seeking a career in Facility Maintenance. The degree prepares students for commercial and industrial facility maintenance employment. There are emphases in both commercial and industrial HVACR to allow students to create their own career pathways. This degree requires a minimum of 64 credits in program requirements, 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.MAINT

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 1181	Heating Principles	3
HVACR 2110	Facility Electrical Systems	3
HVACR 2186	Hydronic Heating	3
HVACR 2187	Central Heating Plants	3
HVACR 2202	Commercial Air Conditioning	3
HVACR 2236	Central Cooling Plants	3
HVACR 2242	Mechanical Systems	3
Program Electives		
select at least 15 credits from hvacr courses or the other courses as specified under the emphasis courses options/ (https://catalog.cod.edu/programs-study/heating-ventilation-air-conditioning-refrigeration/emphases/) ^{1, 2}		15
General Education		
Select 18 to 22 credits ²		18-22
Total Credits		64-68

¹ Students may also choose to focus elective coursework by focusing on Commercial or Industrial Maintenance by taking emphasis courses. Students may also choose general electives in any HVACR courses.

² In addition to the courses listed above.

Emphases Courses

Commercial Facility Maintenance

Code	Title	Credits
HVACR 2210	Commercial Refrigeration	5
HVACR 2230	HVACR Control Systems	3
HVACR 2231	Building Automation Control Devices	3
HVACR 2250	System Balancing	3

Industrial Maintenance

Code	Title	Credits
HVACR 2241	Industrial Air Conditioning Design	3
ELMEC 1190	Intro to Programmable Logic Controllers	3
MANUF 1151	Machine Shop I	3
WELD 1100	Welding I	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/>).