

# ASSOCIATE OF SCIENCE IN ENVIRONMENTAL CONTROL TECHNOLOGY (HVAC) (AS)

of the Sequoias, with a "C" (2.0) average (see Associate Degree Requirements (<https://catalog.cos.edu/associate-degree-requirements/>) for additional details).

This degree prepares students for entry-level employment in the field of Environmental Control Technology through the study of air conditioning, heating and refrigeration. Students will acquire skills in air conditioning, heating and refrigeration troubleshooting and repair.

## Program Outcomes

- Read and interpret an electrical schematic.
- Troubleshoot a basic heating and air conditioning system.
- Troubleshoot a basic heating system.

## Career Opportunities

Upon successful completion of this degree, students will be prepared for careers or employment in the following fields: HVAC/R technician, sales, service and repair.

## Note

This degree is not designed for transfer; however, the courses included in this degree may be transferable and apply to other degrees designed for transfer.

## Program Requirements

Code	Title	Units
GENERAL EDUCATION AND SUBJECT REQUIREMENTS		25
College of the Sequoias' Associate Degree General Education (COS-GE)		
+		
REQUIRED MAJOR COURSES		32
ECT 242	Air Conditioning Sheet Metal	4
ECT 280	Electrical Theory and Applications of Controls for HVAC	4
ECT 281	Basic Air Conditioning	12
ECT 282	Advanced Air Conditioning/Refrigeration Commercial/Domestic	12
+		
ELECTIVES		3
Select additional degree applicable courses numbered 1-299 to achieve 60 units		
=		
TOTAL		60

The Associate Degree requirements include completion of the:

1. Required major courses and restricted elective courses with a "C" or better grade in each course (required and restricted elective courses may be substituted with the approval of the Division Chair),
2. General Education requirements,
3. Subject requirements including PE, Health & Wellness, and American Institutions, and
4. A minimum of 60 units of degree applicable courses numbered 1-299, at least 12 of which must be taken in residence at College