

DIVISION	Applied Technology & Transportation
DIVISION DEAN	Gary Kelly, M.S.
FACULTY CHAIR	Edward Szumski, M.A. (909) 382-8501
OTHER FACULTY	Carlos Busselle, B.A. Ralph Dennington, B.S.
DIVISION OFFICE	Technical 108 (909) 384-4451

The Refrigeration and Air Conditioning Department prepares students for employment in the field of refrigeration and air conditioning. Employment of air conditioning and refrigeration technicians is expected to increase rapidly during the next decade. While air conditioning offices, stores, hospitals, schools, and other non-residential buildings have become common place, anticipated increases in rising personal incomes point to continued rapid growth in home air conditioning. Refrigeration is also necessary for the production, storage, and marketing of food and other perishables.

Students interested in preparing for employment in this field may begin their studies any semester. The course of study designed by SBVC's Department of Refrigeration and Air Conditioning may lead to an Associate of Science Degree or a CTE certificate in Refrigeration and Air Conditioning.

Core competencies emphasized by courses in this department:

- Read and retain information
- Employ vocabulary of the subject studied
- Find and interpret information
- Demonstrate etiquette in face-to-face- and written interactions



REFRIGERATION AND AIR CONDITIONING ASSOCIATE OF SCIENCE DEGREE

To graduate with a specialization in Refrigeration and Air Conditioning, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units)

REFRIGERATION AND AIR CONDITIONING CERTIFICATE

This certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the field of refrigeration and air conditioning, installing, maintaining, and repairing such systems.

REQUIRED COURSES		UNITS
TECALC 087	Technical Calculations	4
REFRIG 101X3	Refrigeration I	4
REFRIG 102X3	Refrigeration II	4
REFRIG 103X3	Refrigeration III	4
REFRIG 104X3	Refrigeration IV	4
REFRIG 105X3	Refrigeration V	4
REFRIG 106X3	Refrigeration VI	4
WELD 123	Oxy-Acetylene Welding	3
EPA Universal Certification (608)		
TOTAL UNITS		31

RECOMMENDED COURSE	UNITS
Students are encouraged to take this course as part of their General Education program:	

AUTO 056	Auto Heating & Air Conditioning	4
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