SECOND YEAR

	Fall Semester	Credit
HART 2442	Commercial Refrigeration	4
HART 1445	Gas and Electric Heating	4
HART 2436	Air-Conditioning Troubleshooting	4
	Total	12

	Spring Semester	Credit
HART 2449	Heat Pumps	4
HART 2445	Residential Air Conditioning Systems Design	4
HART 2280[1]	Cooperative Education – Heating/Air Conditioning and Refrigeration Technologies/Technicians	2
	Total	10
	Total Credit Hours for Certificate	45

Notes: 1 Capstone course that consolidates the student's learning experiences.
≺ All students are required to take ORIE 0100 or COLS 0300; however, ORIE 0100/COLS 0300 do not count toward degree requirements.

AIR CONDITIONING AND REFRIGERATION TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE DEGREE

		Credit
General Education Courses:		
Social & Behavioral Sciences	3	
Humanities & Fine Arts	3	
Natural Science & Math	3	
Other	6	
Total General Education Courses		15
Technical Education Courses		45
Total Credit Hours for A.A.S.		60

Program of Study

FIRST YEAR

	Fall Semester	Credit
ORIE 0100≺	New Student Orientation	
or		
COLS 0300	College Success Skills	
CETT 1302	Electricity Principles	3
HART 1407	Refrigeration Principles	4
MAIR 1449	Refrigerators, Freezers, Window Air Conditioners	4
ELECTIVE	Humanities & Fine Arts	3
	Total	14

	Summer Session	Credit
ELECTIVE	Social and Behavioral Sciences	3
ELECTIVE	Speech Communications	3
	Total	6

	Spring Semester	Credit
HART 1403	Air Conditioning Control Principles	4
HART 1441	Residential Air Conditioning	4
HART 2438	Air Conditioning Installation and Startup	4
COSC 1301	Microcomputer Applications	3
	Total	15

SECOND YEAR

Fall Semester		Credit	Spring Semester		Credit
HART 2442	Commercial Refrigeration	4	HART 2449	Heat Pumps	4
HART 1445	Gas and Electric Heating	4	HART 2445	Residential Air Conditioning Systems Design	4
HART 2436	Air-Conditioning Troubleshooting	4	HART 2280[1]	Cooperative Education – Heating/Air Conditioning and Refrigeration Technologies/Technicians	2
ELECTIVE	College Level Mathematics	3			
	Total	15		Total	10
				Total Credit Hours for A.A.S.	60

Notes: 1 Capstone course that consolidates the student's learning experiences.
≺ All students are required to take ORIE 0100 or COLS 0300; however, ORIE 0100/COLS 0300 do not count toward degree requirements.

Materials for Class Work

Each student must have or must purchase a textbook and tools. A list of tools will be furnished to each student.

1 Tool Set (*approximate cost*) $600
Textbooks (*approximate cost*) $130

AUTOMOTIVE BODY REPAIR TECHNOLOGY

Uvalde Campus

Purpose

The purpose of the Automotive Body Repair Technology program is to give students the training needed to repair collision damage, straighten frames and replace body panels. Instruction will also be given in welding, cutting, painting and estimating. Students will learn the use of fiberglass and plastic fillers. Graduates of the program will be employable as entry-level service technicians at an independent shop or dealership.

Admission Requirements

Students are admitted to the Automotive Body Repair Technology program through the regular college admission procedures *(see Admission Regulations section)*. Students will receive a one-year Certificate, two-year Certificate and/or an Associate of Applied Science (A.A.S.) degree upon satisfactory completion of the program of study and upon making formal application for graduation (*see Curricula section)*.

The Automotive Body Repair Technology program carries three award options, a one-year Certificate, a two-year Certificate, and an A.A.S. degree. The one-year Certificate is TSI exempt, however, those not meeting TSI requirements are encouraged to enroll in the appropriate developmental course(s).

Students who wish to pursue the two-year A.A.S. degree or the two-year certificate must meet Texas Success Initiative (TSI) requirements.