HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY (HVAC-R)
Associate of Applied Science Degree

(Degree Audit Program Code: HVAC-AAS)

The HVAC-R Technology Program at Galveston College is designed to provide hands-on training on the same equipment used by business and industry. In addition, this program is designed to provide the students with the necessary skills required to become a state-licensed Technician, and EPA Certification, for employment in the industry as a technician in residential, commercial, and/or industrial air conditioning, refrigeration, and heating. Galveston College HVAC-R is an Accredited Educational and Training Facility for the National Center for Construction Education and Research (NCCER).

First Semester

HART	1401	Basic Electricity for HVAC	4
HART	1403	Air Conditioning Control Principles	4
HART	1307	Refrigeration Principles	3
HART	1410	HVAC Shop Practices and Tools	4
			15

Second Semester

HART	1441	Residential Air Conditioning	4
HART	1345	Gas and Electric Heating	3
HART	2401	Air Conditioning & Refrigeration Codes	4
HART	2431	Advanced Electricity for HVAC	4
			15

Third Semester

HART	2434	Advanced Air Conditioning Controls*	4
HART	2441	Commercial Air Conditioning	4
HART	2342	Commercial Refrigeration	3
ELMT	1411	Solar Fundamentals	4
			15

Fourth Semester

ENGL 1301	Composition I	3
Speech Elective[6]		3
MATH Elective[2] or Life & Physical Science[5]		3
Creative Arts Elective[3]		3
Social/Behavior Science Elective[7]		3
		15

TOTAL SEMESTER CREDIT HOURS IN PROGRAM: 60

Notes:
[2]MATH 1332 is suggested or select one course from: MATH 1314, 1324, 1325, 1342, 2312, 2413, 2414, 2415, or PSYC 2317.
[3]Select one course from ARTS 1301, ARTS 1303, COMM 2366, DRAM 1310, DRAM 2366, HUMA 1301, MUSI 1306, MUSI 1310.
[5]Select one course from BIOL 1322, BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, BIOL 2421, CHEM 1405, CHEM 1411, CHEM 1412, CHEM 2423, CHEM 2425, ENVR 1301, ENVR 1302, KINE 1301, PHYS 1401, PHYS 1402, PHYS 2425 or PHYS 2426.
[6]Select one course from SPCH 1311, SPCH 1315, SPCH 1318 or SPCH 1321.
[7]Select one course from CRIJ 1301, CRIJ 1307, ECON 2301, ECON 2302, KINE 1304, KINE 1346, PSYC 2301, SOCI 1301, SOCI 1306.
Underline - Identifies courses to meet general education requirements for AAS Degree.
* Identifies Capstone course