HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY (HVAC-R)
Level Two Certificate Program
Advanced Level

(Degree Audit Program Code: HVAC-ADV-C)

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 YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>HART 1401 Basic Electricity for HVAC</td>
<td>4 HART 1441 Residential Air Conditioning 4</td>
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<tr>
<td>HART 1403 Air Conditioning Control Principles</td>
<td>4 HART 1345 Gas and Electric Heating 3</td>
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<tr>
<td>HART 1307 Refrigeration Principles</td>
<td>3 HART 2401 Air Conditioning &amp; Refrigeration Codes 4</td>
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<tr>
<td>HART 1410 HVAC Shop Practices and Tools</td>
<td>4 HART 2431 Advanced Electricity for HVAC 4</td>
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<td>Third Semester</td>
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<tr>
<td>HART 2434 Advanced Air Conditioning Controls*</td>
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<td>HART 2441 Commercial Air Conditioning</td>
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<td>HART 2342 Commercial Refrigeration</td>
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<td>ELMT 1411 Solar Fundamentals</td>
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<td>TOTAL SEMESTER CREDIT HOURS IN PROGRAM: 45</td>
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Notes:
* Identifies Capstone course