



**AAS HVAC Technology to  
BAAS in Manufacturing and Industrial Management  
Safety Management Concentration <sup>T</sup>  
Guided Pathway  
Effective for the 2020-2021 Catalog**



### First Year - Hill College

FIRST SEMESTER – 17 Hours	SECOND SEMESTER – 18 Hours
<b>HART 1301</b> Basic Electricity for HVAC	<b>HART 1445</b> Gas and Electric Heating
<b>HART 1403</b> Air Conditioning Control Principles	<b>HART 2334</b> Advanced Air Conditioning Controls
<b>HART 1407</b> Refrigeration Principles	<b>HART 2438</b> Air Conditioning Installation and Startup
<b>HART 1441</b> Residential Air Conditioning	<b>HART 2445</b> Residential Air Conditioning Systems Design
<b>POFT 1220</b> Job Search Skills	<sup>C</sup> <b>BCIS 1305</b> Business Computer Applications
Total Semester Hours: 17	Total Semester Hours: 18

### Second Year – Hill College

It's best to apply to Tarleton State a full semester before you plan to transfer.

FIRST SEMESTER – 13 Hours	SECOND SEMESTER – 12 Hours
<b>HART 2458</b> Testing, Adjusting, and Balancing HVAC Systems	<b>HART 2368</b> Practicum- HVAC
<b>HART 2331</b> Advanced Electricity for HVAC	<b>HART 2336</b> Air Conditioning Troubleshooting
<sup>C</sup> <b>*ELECTIVE</b> Social and Behavioral Sciences	<sup>C</sup> <b>ENGL 1301</b> Composition I
<sup>C</sup> <b>*MATH</b> College Level Mathematics Elective	<sup>C</sup> <b>*ELECTIVE</b> Language, Philosophy and Culture
Total Semester Hours: 13	Total Semester Hours: 12

### AAS: HVAC Technology

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

These courses may be taken at Hill College (if offered) or TSU	
MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	<sup>C</sup> Life & Physical Science Core Elective
<sup>C</sup> ENGL 1302 – Composition II	<sup>C</sup> Creative Arts Core Elective
<sup>C</sup> Life & Physical Science Core Elective	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> Communication Core Elective	<sup>C</sup> GOVT 2305 Federal Government
<sup>C</sup> HIST1301 United States History I	<sup>C</sup> HIST 1302 United States History II
Total Semester Hours: 16	Total Semester Hours: 16

### Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4320 Occupational Safety and Health
Advanced Elective Course	ENGT 3395 Project Management
ENGT 3320 Industrial Safety	Advanced ENGT Course
Advanced Elective Course	Advanced Elective Course
Total Semester Hours: 12	Total Semester Hours: 12

### Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 3360 Safety Management
Advanced ENGT Course
Advanced Elective Course
ENGT 3326 Ergonomics and Work Methods (Spring)
ENGT 3375 Continuous Improvement
Total Semester Hours: 15

Total: 131

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.**

Part-time students may also follow this sequence. Developmental coursework may be required.

<sup>\*</sup> You may take a different course to meet this requirement. A specific list is available from your advisor.

<sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.