



AAS in Heating, Air Conditioning & Refrigeration Mechanic & Repairer to
 Bachelor of Applied Arts and Sciences in
 Manufacturing and Industrial Management
 Industrial Management Concentration^T



Guided Pathway

Effective for the 2019-2020 Catalog

First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
HART 1407 Refrigeration Principles	HART 1403 Air Conditioning Control Principles
HART 1401 Basic Electricity for HVAC	HART 1341 Residential Air Conditioning
HART 1445 Gas & Electric Heating	^C ENGL 1301 Composition I
MATH 1332 Contemporary Mathematics	^C GOVT 2305 Federal Government

Total Semester Hours: 12

Total Semester Hours: 16

Second Year – Central Texas College

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

FIRST SEMESTER	SECOND SEMESTER
HART 2449 Heat Pumps	HART 2436 Air Conditioning Troubleshooting
HART 2438 Air Conditioning Installation & Startup	HART 2431 Advanced Electricity for HVAC
HART 2341 Commercial Air Conditioning	^C SPCH 1315 or 1321
HART 2342 Commercial Refrigeration	HART 2445 Residential Air Conditioning System Design OR HART 2488 Internship
^C Humanities Selection*	

Total Semester Hours: 17

Total Semester Hours: 15

AAS: Heating, Air Conditioning & Refrigeration Mechanic & Repairer

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 completed at CTC (if offered) or TSU-Stephenville Campus

^{C*} Communication Core Elective	^C ENGL 1302 – Composition II
^C HIST 1301 – United States History I	^{C*} Life and Physical Science Core Elective (4 credits)
^{C*} Math Core Elective (Other than MATH 1342)	^C HIST1302 – United States History II
^{C*} Any Core Course (1 credit minimum)	^C GOVT 2305 – Federal Government
^C GOVT 2306 – Texas Government	^{C*} Creative Arts Core Elective

Total Semester Hours: 13

Total Semester Hours: 16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4336 Production Planning
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3375 Continuous Improvement	ENGT 4346 Manufacturing Management
ENGT 3386 Quality Management	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

Total Semester Hours: 15

Total Degree Hours: 128

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.

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

^C This course counts for the Core Curriculum at any public college or university in Texas.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.