



# AAS in Heating, Air Conditioning and Refrigeration Technology to

Bachelor of Applied Arts and Sciences in  
Manufacturing and Industrial Management  
Industrial Management Concentration <sup>T</sup>



## Guided Pathway 2019-2020 Catalog

### First Year – Tyler Junior College

FIRST SEMESTER	SECOND SEMESTER
HART 1400 – HVAC Duct Fabrication	HART 1403 – Air Conditioning Control Principles
HART 1401 – Basic Electricity for HVAC	HART 1441 – Residential Air Conditioning
HART 1407 – Refrigeration Principles	HART 1445 – Gas and Electric Heating
<sup>C</sup> ENGL 1301 – Composition I (010)	<sup>C</sup> MATH 1314 – College Algebra * (020)

Total semester hours: 15

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### Second Year – Tyler Junior College

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

FIRST SEMESTER	SECOND SEMESTER
HART 2442 – Commercial Refrigeration	HART 2336 – Air Conditioning Troubleshooting
HART 2438 – Air Conditioning Installation & Startup	HART 2349 – Heat Pumps
HART 2445 – Res. Air Conditioning Systems Design	HART 2357 – Specialized Commercial Refrigeration
<sup>C</sup> xxxx x3xx- Government/Political Science Core* (070)	<sup>C</sup> SPCH 1321 – Business & Prof. Communication (010)
	<sup>C</sup> PHIL 2306 – Introduction to Ethics (040)

Total semester hours: 15

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### AAS: Heating, Air Conditioning and Refrigeration 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 Tyler Junior College or TSU

<sup>C*</sup> Creative Arts Core Elective	<sup>C</sup> ENGL 1302 – Composition II
<sup>C*</sup> Life and Physical Science Core Elective	<sup>C*</sup> Life and Physical Science Core Elective
<sup>C</sup> HIST 1301 – United States History I	<sup>C</sup> HIST1302 – United States History II
<sup>C*</sup> Component Area Option	<sup>C*</sup> Social and Behavioral Science Core Elective
<sup>C</sup> GOVT 2306 – Texas Government	MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods

Total Semester Hours: 16

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### 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

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### 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: 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.

\* 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.

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

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