

**AAS in Heating, Air Conditioning and Refrigeration Technology  
to BAAS in Manufacturing and Industrial Management  
General Concentration  
Guided Pathway  
2018-2019 Catalog**



**First Year – Tyler Junior College**

FIRST SEMESTER	SECOND SEMESTER
<b>HART 1400</b> – HVAC Duct Fabrication	<b>HART 1403</b> – Air Conditioning Control Principles
<b>HART 1401</b> – Basic Electricity for HVAC	<b>HART 1441</b> – Residential Air Conditioning
<b>HART 1407</b> – Refrigeration Principles	<b>HART 1445</b> – Gas and Electric Heating
<b>ENGL 1301</b> – Composition I (010)	<b>MATH 1314</b> – College Algebra * (020)
Total semester hours: 15	Total semester hours: 15

**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
<b>HART 2442</b> – Commercial Refrigeration	<b>HART 2336</b> – Air Conditioning Troubleshooting
<b>HART 2438</b> – Air Conditioning Installation & Startup	<b>HART 2349</b> – Heat Pumps
<b>HART 2445</b> – Res. Air Conditioning Systems Design	<b>HART 2357</b> – Specialized Commercial Refrigeration
<b>GOVT 2306</b> – Texas Government (070)	<b>SPCH 1321</b> – Business & Prof. Communication (010)
Total semester hours: 15	<b>PHIL 2306</b> – Introduction to Ethics (040)
	Total semester hours: 15

**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.

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>ENGT 3318</b> – Research and Reporting For Technologists	Advanced ENGT Elective
<b>MATH 1316</b> – Plane Trigonometry OR <b>MATH 1342</b> – Statistics	<b>ENGT 3395</b> – Project Management
Advanced ENGT Elective	Advanced ENGT Elective
<b>ENGL 1302</b> – Composition II (010)	<b>*Life and Physical Science Core Elective (030)</b>
<b>HIST1301</b> – United States History I (060)	<b>*Creative Arts Core Elective (050)</b>
SUMMER	
<b>GOVT 2305</b> – Federal Government (070)	<b>*Social and Behavioral Science Core Elective (080)</b>
Advanced ENGT Elective	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>ENGT 3375</b> – Continuous Improvement	Advanced ENGT Elective
Advanced Elective	Advanced ENGT Elective
Advanced Elective	Advanced Elective
Advanced Elective	<b>*Institutional Option Elective (010)</b>
<b>*Life and Physical Science Elective Core (030)</b>	<b>HIST 1302</b> – United States History II (060)

**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.

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

Additional coursework may be required if 36 credits are not awarded for the Occupational Specialization block.

For questions about the University portion of this guided pathway,  
Contact the Engineering Technology Department at (254)968-9010 or [Engineering.Technology@tarleton.edu](mailto:Engineering.Technology@tarleton.edu).