

**AAS in Heating, Air Conditioning and Refrigeration Technology
to BAAS in Manufacturing and Industrial Management
Industrial Management Concentration
Guided Pathway
2018-2019 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
ENGL 1301 – Composition I (010)	MATH 1314 – 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
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
GOVT 2306 – Texas Government (070)	SPCH 1321 – Business & Prof. Communication (010)
Total semester hours: 15	PHIL 2306 – 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
ENGT 3318 – Research and Reporting For Technologists	ENGT 4336 – Production Planning
MATH 1316 – Plane Trigonometry OR MATH 1342 – Statistics	ENGT 3395 – Project Management
ENGT 3386 – Quality Management	Advanced ENGT Elective Course
ENGL 1302 – Composition II (010)	*Life and Physical Science Core Elective (030)
HIST1301 – United States History I (060)	*Creative Arts Core Elective (050)
SUMMER	
GOVT 2305 – Federal Government (070)	*Social and Behavioral Science Core Elective (080)

Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 – Manufacturing Management	ENGT 4347 – Metrics and Measurements
Advanced Elective Course	Advanced ENGT Elective Course
Advanced Elective Course	Advanced Elective Course
Advanced Elective Course	*Institutional Option Elective Course (010)
*Life and Physical Science Elective Core (030)	HIST 1302 – 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.