

**AAS – Air Conditioning Applied Technology 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 – Del Mar College

FIRST SEMESTER	SECOND SEMESTER
HART 1401 Basic Electricity for HVAC	HART 1403 A/C Control Principles
HART 1407 Refrigeration Principles	HART 1441 Residential Air Cond
MAIR 1449 Refrigerators, Freezers, Window A/C	HART 1445 Gas and Electric Heating
^C SPCH 1311 Introduction to Speech Communications*	^C PHYS 1305 Introductory Physics I*
Total Semester Hours: 15	Total Semester Hours: 15

Second Year – Del Mar College

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

FIRST SEMESTER	SECOND SEMESTER
MAIR 1341 Domestic Cooking Equipment	HART 2341 Commercial Air Conditioning
MAIR 1345 Dyers, Washers, Dishwashers	HART 2342 Commercial Refrigeration
MAIR 1349 Refrigerators, Freezers, Window Air Conditioners	HART 2345 Residential A/C Systems Design
HART 2338 A/C Installation & Startup	^C ENGL 1301 Composition I
^C ARCH 1301 Architectural History I*	^C HIST 1301 United States History*
Total Semester Hours: 15	Total Semester Hours: 15

AAS: Air Conditioning Applied 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 Del Mar College (if offered) or TSU-Stephenville Campus

^C *Life and Physical Science Core Elective (4 credits)	^C *Life and Physical Science Core Elective (4 credits)
^C *Mathematics Core Elective	^C *Language, Philosophy & Culture Core Elective
MATH 1316 Plane Trigonometry <u>OR</u> MATH 1342 Elementary Statistics	^C HIST 1302 United States History II
^C ENGL 1302 Composition II	^C GOVT 2305 Federal Government
^C GOVT 2306 Texas Government	^C *Social and Behavioral Core Elective
Total Semester Hours: 16	Total Semester Hours: 16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4336 Production Planning
ENGT 3375 Continuous Improvement	ENGT 3395 Project Management
ENGT 3386 Quality Management	ENGT 4346 Manufacturing Management
Advanced Elective Course	Advanced ENGT Course
Total Semester Hours: 12	Total Semester Hours: 12

Fourth Year - Tarleton State University

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

Total Semester Hours: 15

Total Degree Hours: 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.

^C 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.

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