AAS – Air Conditioning Applied Technology to Bachelor of Applied Arts and Sciences in Manufacturing and Industrial Management Industrial Management Concentration
Guided Pathway
Effective for the 2019-2020 Catalog

First Year – Del Mar College

FIRST SEMESTER
HART 1401 Basic Electricity for HVAC
HART 1407 Refrigeration Principles
MAIR 1449 Refrigerators, Freezers, Window A/C
CPSPCH 1311 Introduction to Speech Communications*

SECOND SEMESTER
HART 1403 A/C Control Principles
HART 1441 Residential Air Cond
HART 1445 Gas and Electric Heating
CPHYS 1305 Introductory Physics I*

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
MAIR 1341 Domestic Cooking Equipment
MAIR 1345 Dyers, Washers, Dishwashers
MAIR 1349 Refrigerators, Freezers, Window Air Conditioners
HART 2338 A/C Installation & Startup
CPARCH 1301 Architectural History I*

SECOND SEMESTER
HART 2341 Commercial Air Conditioning
HART 2342 Commercial Refrigeration
HART 2345 Residential A/C Systems Design
CENGL 1301 Composition I
CHIST 1302 United States History II

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 OR MATH 1342 Elementary Statistics | C ENGL 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

Third Year – Tarleton State University

FIRST SEMESTER
ENGT 3318 Research & Reporting for Technologists
ENGT 3375 Continuous Improvement
ENGT 3386 Quality Management
Advanced Elective Course

SECOND SEMESTER
ENGT 4336 Production Planning
ENGT 3395 Project Management
ENGT 4346 Manufacturing Management
Advanced ENGT Course

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

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.

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

For questions about the university portion of this pathway, Contact the Department of Engineering Technology at 254-968-9014 or engineering.technology@tarleton.edu.