

**Welding to
BAAS in Manufacturing and Industrial Management
Industrial Management Concentration
Guided Pathway
Effective for the 2018-2019 Catalog**

First Year – Vernon College

| FIRST SEMESTER | SECOND SEMESTER |
|---|--|
| XXXX X3XX Elective | ◻ MATH 1314 College Algebra or MATH 1332 Contemporary Mathematics (020) |
| OSHT 1309 Physical Hazards Control | ◻ SPCH 1315 Public Speaking (010) |
| WLDG 1413 Introduction to Blueprint Reading for Welders | WLDG 1430 Introduction to Gas Metal Arc Welding (GMAW) |
| WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW) | WLDG 1434 Introduction to Gas Tungsten Arc Welding (GTAW) |

Second Year – Vernon College

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

| FIRST SEMESTER | SECOND SEMESTER |
|---|--|
| ◻ XXXX X3XX Language, Philosophy & Culture Elective | ◻ GOVT 2305 Federal Government |
| ◻ ENGL 1301 Composition I | WLDG 1427 Welding Codes and Standards |
| WLDG 1337 Introduction to Welding Metallurgy | WLDG 1417 Introduction to Layout and Fabrication |
| WLDG 1435 Introduction to Pipe Welding | WLDG 2453 Advanced Pipe Welding |
| WLDG 2413 Intermediate Welding Using Multiple Processes | |

AAS: Welding

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 (090) | ◻ *Creative Arts Elective Course (050) |
| ◻ *Life and Physical Science Elective Course (030) | ◻ GOVT 2306 Texas Government (070) |
| THIRD SEMESTER | |
| ◻ Social and Behavioral Sciences (080) | ◻ *Institutional Option (090) |
| ◻ HIST1301 United States History I (060) | |

Fourth Year - Tarleton State University

| FIRST SEMESTER | SECOND SEMESTER |
|--|--|
| ENGT 4346 Manufacturing Management | ENGT 3375 Continuous Improvement |
| ENGT 4347 Metrics and Measurements | Advanced Elective Course |
| Advanced ENGT Elective Course | Advanced Elective Course |
| Advanced Elective Course | Advanced Elective Course |
| ◻ *Life and Physical Science Elective Course (030) | ◻ HIST 1302 United States History II (060) |
| | THIRD SEMESTER |
| | |

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.