



**AAS in Welding Technology to  
BAAS in Manufacturing and Industrial Management  
Guided Pathway  
2018-2019 Catalog**



**First Year - Hill College**

| FIRST SEMESTER  | SECOND SEMESTER                                    |
|---|--|
| WLDG 1428 Introduction To Shielded Metal Arc Welding (SMAW) | WLDG 1435 Intro. to Pipe Welding                   |
| WLDG 1413 Introduction to Blueprint Reading for Welders     | WLDG 1434 Intro to Gas Tungsten Arc Welding (GTAW) |
| WLDG 1457 Intermediate Shielded Metal Arc Welding (SMAW)    | WLDG 1430 Intro to Gas Metal Arc Welding (GMAW)    |
|   | WLDG 1327 Welding Codes                            |
| 11-WEEK SUMMER SEMESTER                                     |  |
| * WLDG ELECTIVE   |  |
| WLDG 2413 Welding using Multiple Processes                  |  |

**Second Year – Hill College**

It's best to apply to Tarleton State a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

| FIRST SEMESTER  | SECOND SEMESTER   |
|---|---|
| WLDG 1323 Welding Safety, Tools and Equipment         | BCIS 1305 Business Computer Applications                                      |
| WLDG 2451 Advanced Gas Tungsten Arc Welding (GTAW)    | WLDG 2406 Intermediate Pipe Welding   |
| <sup>c</sup> ENGL 1301 Composition I                  | <sup>c</sup> PSYC 2301 General Psychology                                     |
| <sup>c</sup> *MATH College Level Mathematics Elective | <sup>c</sup> *ELECTIVE Language, Philosophy and Culture or Creative Arts Core |

**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 3303 Industrial Materials                                    | ENGT 4336 Production Planning          |
| <sup>c</sup> MATH 1316 Plane Trigonometry OR Math 1342 Statistics | ENGT 3395 Project Management           |
| ENGT 3386 Quality Management                                      | Advanced ENGT Course                   |
| <sup>c</sup> ENGL 1302 – Composition II                           | <sup>c</sup> *Science Core             |
| <sup>c</sup> *Science Core  | <sup>c</sup> *Visual & Performing Arts |
| SUMMER  |  |
| <sup>c</sup> GOVT 2306 Texas Government                           |  |

**Fourth Year - Tarleton State University**

| FIRST SEMESTER                                | SECOND SEMESTER                                 |
|---|---|
| ENGT 4346 Manufacturing Management            | ENGT 4376 Automated Manufacturing Systems       |
| Advanced ENGT Course                          | Advanced ENGT Course                            |
| Advanced ENGT Course                          | Advanced ENGT Course                            |
| Advanced ENGT Course                          | Advanced ENGT Course                            |
| <sup>c</sup> HIST1301 United States History I | <sup>c</sup> HIST 1302 United States History II |
| SUMMER  |   |
| <sup>c</sup> GOVT 2305 Federal Government     |   |

**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.

<sup>c</sup> This course counts for the Core Curriculum at any public college or university in Texas.

*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).*