



**AAS in Welding Technology to  
BAAS in Manufacturing and Industrial Management  
Guided Pathway  
2017-2018 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).*