



**AAS in Welding Technology to
BAAS in Manufacturing and Industrial Management
Guided Pathway
Effective for the 2020-2021 Catalog**



First Year-Hill College

First Semester – 15 Hours	Second Semester – 15 Hours
WLDG 1428 Introduction To Shielded Metal Arc Welding (SMAW)	WLDG1457 Intermediate Shielded Metal Arc Welding (SMAW)
WLDG 1413 Introduction to Blueprint Reading for Welders	WLDG 1434 Intro to Gas Tungsten Arc Welding (GTAW)
WLDG 1430 Intro to Gas Metal Arc Welding (GMAW) or WLDG 1412 FCAW	WLDG 1430 Intro to Gas Metal Arc Welding (GMAW) or WLDG 1412 FCAW
BCIS 1305 Business Computer Applications	^c ENGL 1301 Composition I
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 – 17 Hours	Second Semester – 17 Hours
WLDG 1435 Introduction to Pipe Welding	WLDG 2413 Welding Using Multiple Processes
WLDG 1327 Welding Codes or WLDG 1323 Welding Safety, Tools and Equipment	WLDG 2406 Intermediate Pipe Welding
WLDG 2451 Advanced Gas Tungsten Arc Welding (GTAW)	WLDG 1327 Welding Codes or WLDG 1323 Welding Safety, Tools and Equipment
Approved Welding Elective	PSYC 2301 General Psychology
^c *MATH College Mathematics Elective	^c *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
^c MATH 1316 Plane Trigonometry OR Math 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
^c ENGL 1302 – Composition II	^c *Science Core
^c *Science Core	^c *Visual & Performing Arts
SUMMER	
^c 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
^c HIST1301 United States History I	^c HIST 1302 United States History II
SUMMER	
^c 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.

^c 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.