



**AAS in Welding Technology to  
BAAS in Manufacturing and Industrial Management  
Guided Pathway  
Effective for the 2017-2018 Catalog**



**First Year – Tyler Junior College**

FIRST SEMESTER (12 SCH)	SECOND SEMESTER (14 SCH)
WLDG 1204 – Fundamentals Of Oxy-Fuel Welding and Cutting	WLDG 2443 – Advanced Shielded Metal Arc Welding (SMAW)
WLDG 1313 – Introduction to Blueprint Reading for Welders	WLDG 1317 – Introduction to Layout and Fabrication
WLDG 1428 – Intro. to Shielded Metal Arc Welding (SMAW)	WLDG 1430 – Introduction to Gas Metal Arc Welding (GMAW)
<sup>c</sup> ENGL 1301 – Composition I (010)	<sup>c</sup> MATH 1314 – College Algebra * (020)
	<b>SUMMER (3 SCH)</b>
	WLDG 1312 – Introduction to Flux-Cored Arc Welding (FCAW)

**Second Year – Tyler Junior College**

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

FIRST SEMESTER (14 SCH)	SECOND SEMESTER (14 SCH)
WLDG 1435 – Introduction to Pipe Welding	WLDG 1434 – Intro. to Gas Tungsten Arc Welding (GTAW)
WLDG 2453 – Advanced Pipe Welding	WLDG 2451 – Advanced Gas Tungsten Arc Welding (GTAW)
ITSC 1309 – Integrated Software Applications I	<sup>c</sup> PHIL 2306 – Introduction to Ethics (040)
<sup>c</sup> SPCH 1321 – Business & Professional Communication (010)	<sup>c</sup> PSYC 2301 – General Psychology * (080)
	<b>SUMMER (3 SCH)</b>
	WLDG 1327 – Welding Codes and Standards

**AAS: Welding Technology**

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
	<b>SUMMER</b>
	<sup>c</sup> GOVT 2306 Texas Government

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 Manufacturing Management	ENGT 3375 Continuous Improvement
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
	<b>SUMMER</b>
	<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).