



**AAS in Welding Technology to  
Bachelor of Applied Arts and Sciences in  
Manufacturing and Industrial Management<sup>T</sup>  
Guided Pathway  
2020-2021 Catalog**



**First Year – Tyler Junior College**

FIRST SEMESTER		SECOND SEMESTER	
WLDG 1204 – Fund. Of Oxy-Fuel Welding and Cutting		WLDG 2443 – Adv. Shielded Metal Arc Welding (SMAW)	
WLDG 1313 – Intro. to Blueprint Reading for Welders		WLDG 1317 – Introduction to Layout and Fabrication	
WLDG 1428 – Intro. to Shielded Metal Arc Weld. (SMAW)		WLDG 1430 – Intro. to Gas Metal Arc Welding (GMAW)	
C ENGL 1301 – Composition I (010)		C MATH 1314 – College Algebra * (020)	
Total semester hours: 12		Total semester hours: 14	
SUMMER I			
WLDG 1312 – Intro. to Flux-Cored Arc Welding (FCAW)			
Total semester hours: 3 hours			

**Second Year – Tyler Junior College**

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

FIRST SEMESTER		SECOND SEMESTER	
WLDG 1435 – Introduction to Pipe Welding		WLDG 1434 – Intro. to Gas Tungsten Arc Weld. (GTAW)	
WLDG 2453 – Advanced Pipe Welding		WLDG 2451 – Adv. Gas Tungsten Arc Welding (GTAW)	
ITSC 1309 – Integrated Software Applications I		C PHIL 2306 – Introduction to Ethics (040)	
C SPCH 1321 – Business & Prof. Communication* (010)		C PSYC 2301 – General Psychology * (080)	
Total semester hours: 14		Total semester hours: 14	
SUMMER I			
WLDG 1327 – Welding Codes and Standards			
Total semester hours: 3 hours			

**AAS: Welding Technology**

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

These courses may be taken at Tyler Junior College (if offered) or TSU			
C*Creative Arts Core Elective		C ENGL 1302 – Composition II	
C*Life and Physical Science Core Elective (4 credits)		C*Life and Physical Science Core Elective (4 credits)	
C HIST 1301 – United States History I		C HIST 1302 – United States History II	
C GOVT 2306 – Texas Government		C GOVT 2305 – Federal Government	
C*Any Core Elective (1 credit min)			
Total Semester Hours: 14		Total Semester Hours: 13	

**Third Year – Tarleton State University**

FIRST SEMESTER		SECOND SEMESTER	
Tarleton Course		Tarleton Course	
Tarleton Course		Tarleton Course	
Tarleton Course		Tarleton Course	
Tarleton Course		Tarleton Course	
Total Semester Hours: 12		Total Semester Hours: 12	

**Fourth Year – Tarleton State University**

FIRST SEMESTER		
Tarleton Course		
Tarleton Course		
Tarleton Course		
Tarleton Course		
Tarleton Course		
Total Semester Hours: 15		Total Degree Hours: 126

**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.

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.

For questions about the university portion of this pathway,  
contact the Engineering Technology Department at (254)968-9010 or [Engineering.Technology@tarleton.edu](mailto:Engineering.Technology@tarleton.edu).