



**AAS in Welding to  
Bachelor in Applied Arts and Sciences  
Manufacturing and Industrial Management  
Industrial Management Concentration  
Guided Pathway**  
Effective for the 2018-2019 Catalog



**First Year – Collin College**

FIRST SEMESTER	SECOND SEMESTER
<sup>c</sup> MATH 1332 – Contemporary Mathematics (Quantitative Reasoning)* (020)	<sup>c</sup> ENGL 1301 – Composition I (010)
WLDG 1428 – Introduction to Shielded Metal Arc Welding (SMAW)	<sup>c</sup> SPCH 1321 – Introduction to Speech Communication* (090)
WLDG 1434 – Introduction to Gas Tungsten Arc Welding (GTAW)	WLDG 1413 – Introduction to Blueprint Reading for Welders
WLDG 1530 – Introduction to Gas Metal Arc Welding (GMAW)	WLDG 1435 – Introduction to Pipe Welding

**Second Year – Collin College**

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

FIRST SEMESTER	SECOND SEMESTER
WLDG 2443 – Advanced Shielded Metal Arc Welding (SMAW)	WLDG 1425 – Introduction to Oxy-Fuel Welding and Cutting
WLDG 2451 – Advanced Gas Tungsten Arc Welding (GTAW)	WLDG 2413 – Intermediate Welding Using Multiple Processes (Capstone) <b>OR</b> WLDG 2480 – Cooperative Education - Welding Technology/Welder
WLDG 2453 – Advanced Pipe Welding <b>OR</b> WLDG 2450 – Orbital Tube Welding	WLDG 2431 – Advanced Blueprint Interpretation and Cost Analysis
<sup>c</sup> ARTS 1301 – Art Appreciation* (050)	<sup>c</sup> PSYC 2301 – General Psychology* (080)

**AAS: Welding - Welding Technology Track**

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 3318 Research & Reporting for Technologists	ENGT 4336 Production Planning
ENGT 3375 Continuous Improvement	ENGT 3395 Project Management
ENGT 3386 Quality Management	MATH 1316 Plane Trigonometry <b>OR</b> MATH 1342 Elementary Statistics
<sup>c</sup> * Any Core Elective	ENGT 4346 Manufacturing Management
<sup>c</sup> * Life and Physical Science Core Elective	<sup>c</sup> * Life and Physical Science Core Elective
SUMMER	
<sup>c</sup> ENGL 1302 Composition II	<sup>c</sup> * Language, Philosophy & Culture Core Elective
<sup>c</sup> HIST 1301 United States History I	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	<sup>c</sup> HIST 1302 United States History II
Advanced Elective Course	Advanced ENGT Course
<sup>c</sup> GOVT 2305 Federal Government	<sup>c</sup> GOVT 2306 Texas 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.

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