



**AAS in Welding Technology to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Industrial Management Concentration ^T**



**Guided Pathway
2019-2020 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)
^CENGL 1301 – Composition I (010)	^CMATH 1314 – College Algebra * (020)

Total semester hours: 12 hours

Total semester hours: 14 hours

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	^CPHIL 2306 – Introduction to Ethics (040)
^CSPCH 1321 – Business & Prof. Communication (010)	^CPSYC 2301 – General Psychology * (080)

Total semester hours: 14 hours

Total semester hours: 14 hours

SUMMER II
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-Stephenville Campus	
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	^CENGL 1302 – Composition II
^{C*} Life and Physical Science Core Elective (4 credits)	^{C*} Life and Physical Science Core Elective (4 credits)
^CHIST 1301 – United States History I	^CHIST 1302 – United States History II
^{C*} Any Core Elective (1 credit minimum)	^CGOVT 2305 – Federal Government
^CGOVT 2306 – Texas Government	^{C*} Creative Arts Core Elective

Total Semester Hours: 14

Total Semester Hours: 16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4336 Production Planning
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3375 Continuous Improvement	ENGT 4346 Manufacturing Management
ENGT 3386 Quality Management	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

Total Semester Hours: 15

Total Degree Hours: 129

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.

^T Degree availability varies by campus; consult 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.