



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 - Tarrant County College District

FIRST SEMESTER	SECOND SEMESTER
WLDG 1312 – Intro to Flux Cored Arc Welding (FCAW)	ENGL 1301 (010) – Composition I ^C
WLDG 1430 – Intro to Gas Metal Arc Welding (GMAW)	SPCH 1321 (010) – Business & Professional Communication ^{C*}
MATH 1314 (020) – College Algebra ^{C*}	WLDG 1428 – Intro to Shielded Metal Arc Welding
WLDG 1434 – Intro to Gas Tungsten Arc Welding (GTAW)	ARTS 1301 (050) – Art Appreciation ^{C*}
WLDG 1417 – Intro to Layout and Fabrication	

Total Semester Hours: 18

Total Semester Hours: 13

Second Year – Tarrant County College District

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	GOVT 2306 (070) – Texas Government ^{C*}
WLDG 1453 – Intermediate Layout and Fabrication	WLDG 2413 – Intermediate Welding Using Multiple Processes (Capstone)
BCIS 1305 – Business Computer Applications [*]	WLDG 2451 – Advanced Gas Tungsten Arc Welding
DFTG 1305 – Technical Drafting	WLDG 2453 – Advanced Pipe Welding

Total Semester Hours: 14

Total Semester Hours: 15

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 completed at TCC (if offered) or TSU-Stephenville Campus	
^{C*} Life and Physical Science Core Elective (4 credits) (030)	^{C*} Life and Physical Science Core Elective (4 credits) (030)
^C HIST 1301 – United States History I	^C HIST1302 – United States History II
^C GOVT 2305 – Federal Government	^{C*} Language, Philosophy and Culture Core Elective (040)
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	^{C*} Any Core Applicable Course (090) (1 credit minimum)
^C ENGL 1302 – Composition II	^{C*} Social and Behavioral Science Core Elective (080)

Total Semester Hours: 16

Total Semester Hours: 14

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: 128

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.