



Welding AAS to  
BAAS in Manufacturing and Industrial Management  
Industrial Management Concentration <sup>T</sup>  
**Guided Pathway**  
Effective for the 2019-2020 Catalog



### First Year – Paris Junior College

FIRST SEMESTER	SECOND SEMESTER
ENGL 1301 - Composition I	WLDG 1417 - Intro to Layout and Fabrication
MATH 1332 - Contemporary Mathematics	WLDG 1435 - Intro to Pipe Welding
WLDG 1307 - Intro to Welding Using Multi-processes	WLDG 1457 - Intermediate Shielded Metal Arc Welding
WLDG 1313 - Intro to Blueprint Reading for Welders	SPCH 1321 - Business and Professional Communication
WLDG 1428 - Intro to Shielded Metal Arc Welding	

Total Semester Hours: 16

Total Semester Hours: 15

### Second Year – Paris Junior College

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

FIRST SEMESTER	SECOND SEMESTER
GOVT 2305 - Federal Government	DRAM 1310 - Introduction to Theater
WLDG 1434 - Introduction to Gas Tungsten Arc Welding	WLDG 1327 - Welding Codes and Standards
WLDG 1453 - Intermediate Layout and Fabrication	WLDG 2443 - Advanced Shielded Metal Arc Welding
WLDG 2406 - Intermediate Pipe Welding	WLDG 2451 - Advanced Gas Tungsten Arc Welding

Total Semester Hours: 15

Total Semester Hours: 14

### AAS: Welding

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 PJC (if offered) or TSU-Stephenville Campus

<sup>C</sup> MATH 1316 Plane Trigonometry OR Math 1342 Statistics	<sup>C</sup> *Life and Physical Science Core Elective (4 credits)
<sup>C</sup> ENGL 1302 Composition II	<sup>C</sup> *Language, Philosophy, & Culture Core Elective
<sup>C</sup> *Life and Physical Science Core Elective Elective (4 credits)	<sup>C</sup> *Social and Behavioral Science Core Elective
<sup>C</sup> GOVT 2306 Texas Government	<sup>C</sup> *Any Core Course (minimum 1 credit)
<sup>C</sup> HIST1301 United States History I	<sup>C</sup> HIST 1302 United States History II

Total Semester Hours: 16

Total Semester Hours: 14

### 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	ENGT 4346 Manufacturing Management
Advanced Elective Course	Advanced ENGT Course

Total Semester Hours: 12

Total Semester Hours: 12

### Fourth Year - Tarleton State University

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

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.

<sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.

<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 guided pathway,  
Contact the Engineering Technology Department at (254)968-9010 or [Engineering.Technology@tarleton.edu](mailto:Engineering.Technology@tarleton.edu).