



AAS – Welding to  
BAAS-Manufacturing and Industrial Management  
General Concentration  
**Guided Pathway**  
2018-2019



### First Year – Grayson College

FIRST SEMESTER	SECOND SEMESTER
WLDG 1421 Introduction to Welding Fundamentals	WLDG 1457 Inter. Shielded Metal Arc Weld. (SMAW)
WLDG 1428 Intro. to Shielded Metal Arc Weld. (SMAW)	WLDG 1430 Intro. to Gas Metal Arc Welding (MIG)
DFTG 1309 Basic Computer Aided Drafting	Ⓢ HUMA 1301 Introduction to the Humanities *
Ⓢ MATH 1332 Contemporary Math	BUSG 2309 Small Business Management
EDUC/PSYC 1300 Learning Frameworks	

Total Semester Hours: 17

Total Semester Hours: 14

### Second Year – Grayson College

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

FIRST SEMESTER	SECOND SEMESTER
WLDG 1434 Intro. to Gas Tungsten Arc Welding (TIG)	WLDG 2406 Intermediate Pipe Welding
DFTG 1325 Blueprint Reading and Sketching	WLDG 2451 Advanced Gas Tungsten Arc Welding (TIG)
WLDG 2447 Advanced Gas Metal Arc Welding (MIG)	Ⓢ SPCH 1321 Business and Professional Speaking
Ⓢ ENGL 1301 Composition I	HART 1401 Basic Electricity
Ⓢ PSYC 2301 General Psychology *	

Total Semester Hours: 17

Total Semester Hours: 15

### AAS: Welding

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	Advanced ENGT Course
Advanced ENGT Course	ENGT 3395 Project Management
Advanced ENGT Course	MATH 1316 Plane Trig or MATH 1342 Elem Stats
Ⓢ *Creative Arts Elective	Advanced ENGT Course
Ⓢ *Life and Physical Science Elective	Ⓢ *Life and Physical Science Elective
SUMMER	
Ⓢ ENGL 1302 Composition II	

### Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3375 Continuous Improvement	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	Ⓢ HIST 1302 United States History II
Advanced Elective Course	Advanced ENGT Course
Ⓢ HIST 1301 United States History I	Ⓢ GOVT 2305 Federal Government
SUMMER	
Ⓢ 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.

Ⓢ 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.

Additional coursework may be required if 36 credits are not awarded for the Occupational Specialization block.

For questions about the University portion of this pathway,  
Contact the Department of Engineering Technology at (254) 968-9014 or [engineering.technology@tarleton.edu](mailto:engineering.technology@tarleton.edu).