

**AAS in Welding to  
BAAS in Manufacturing and Industrial Management  
Guided Pathway  
2018-2019 Catalog**

**First Year – NCTC**

FIRST SEMESTER	SECOND SEMESTER
WLDG 1413 – Intro to Blueprint Rdg for Welders	WLDG 2447 – Adv Gas Metal Arc Wldg GMAW
WLDG 1407 – Intro to Welding Multiple Proc	WLDG 1435 – Intro to Pipe Welding
WLDG 2413 – Interm Welding Multiple Proc	WLDG 1427 – Welding Codes & Standards
SUMMER	
WLDG 2352 – Adv Flux Cored Arc Welding	
TECM 1301 – Industrial Mathematics	

**Second Year – NCTC**

It is best to apply to [Tarleton State University](http://tarletonstate.edu) a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
DFTG 1309 – Basic Computer-Aided Drafting	◌HIST 1301 – United States History I*
◌SPCH 1318 – Interpersonal Communication*	◌ARTS 1301 – Art Appreciation
OSHT 1320 – Energy Industrial Safety	◌MATH 1314 – College Algebra*
BMGT 2309 – Leadership	BMGT 1327 – Principles of Management
◌ENGL 1301 – Composition I	WLDG 2380 – Co. Ed.- Welding Technology

**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 3303 Industrial Materials	ENGT 4336 Production Planning
◌MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
◌ENGL 1302 – Composition II	◌*Science Core
◌*Science Core	◌* Social & Behavioral Science
SUMMER	
◌GOVT 2306 Texas Government	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 Manufacturing Management	ENGT 3375 Continuous Improvement
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced ENGT Course
◌*Humanities Core	◌HIST 1302 United States History II
SUMMER	
◌GOVT 2305 Federal Government	

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.**

\* 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. Sometimes, taking a specific course to meet a Core requirement will also fulfill other requirement for your degree. If this course meets more than one requirement it is listed as the correct option (with no asterisk).

*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).*