



# WELDING TECHNOLOGY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	General Ed. Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
<input type="checkbox"/>	1. WLDG 1421 Intro to Welding Fundamentals		F, Sp		4
<input type="checkbox"/>	2. WLDG 1428 Intro Shielded Metal Arc Welding		F, Sp		4
<input type="checkbox"/>	3. WLDG 1457 Interm. Shielded Metal Arc Weld		F, Sp		4
<input type="checkbox"/>	4. WLDG 2443 Adv Shielded Metal Arc Welding		F, Sp		4
<input type="checkbox"/>	5. DFTG 1325 Blueprint Reading and Sketching		F, Sp		3
<input type="checkbox"/>	6. OSH 1320 Industrial Safety		F, Sp		3
<b>*** BASIC WELDING CERTIFICATE EARNED ***</b>					<b>22 hours</b>
<input type="checkbox"/>	7. WLDG 2413 Interm Weld/Multiple Processes		F, Sp		4
<input type="checkbox"/>	8. WLDG 1435 Introduction to Pipe Welding		F, Sp		4
<input type="checkbox"/>	9. WLDG 2406 Intermediate Pipe Welding		F, Sp		4
<input type="checkbox"/>	10. WLDG 2480 Cooperative Education or WLDG 1491		F, Sp		4
<input type="checkbox"/>	11. WLDG 1337 Intro to Welding Metallurgy		F, Sp		3
<input type="checkbox"/>	12. WLDG 2488 Internship		F, Sp, Su		4
<b>*** ADVANCED WELDING CERTIFICATE EARNED ***</b>					<b>45 hours</b>
<input type="checkbox"/>	13. ENGL 1301 Composition I	<a href="#">GE H&amp;FA !</a>	F, Sp, Su		3
<input type="checkbox"/>	14. SPCH 1318 Interpersonal Communication *	<a href="#">GE AC %</a>	F, Sp, Su		3
<input type="checkbox"/>	15. MATH 1332 Contemporary Mathematics or MATH 1342 Elementary Statistical Methods **	<a href="#">GE NS&amp;M @</a>	F, Sp, Su		3
<input type="checkbox"/>	16. ARTS 1301 Art Appreciation *	<a href="#">GE H&amp;FA !</a>	F, Sp, Su		3
<input type="checkbox"/>	17. PSYC 2301 General Psychology *	<a href="#">GE S&amp;B \$</a>	F, Sp, Su		3
<b>*** [ ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED ] ***</b>					<b>60 hours</b>
NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.					

## READ ALL NOTES CAREFULLY:

- a) Courses in **bold** have a pre-requisite (previous course required). [See Catalog](#)
- b) Courses in *italics* can be taken in any order.
- c) ENGL 1301 and the first MATH class may require a co-requisite and/or developmental course depending on TSI Scores.
- d) Refer to [KC Catalog](#) for Field of Study and Degree Requirements.
- \* Refer to list of General Ed. Courses and KC Catalog for all possible options.
- \*\* [Required for degree plan]

### CAREER OPPORTUNITIES

Certified Welder  
Certified Welding Inspection

### ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES

BAAS degree / CWI, CW, CWE

### Salary Information: Annual Salary \$57,000- \$76,000

<https://www.bls.gov/ooh/production/welders-cutters-solderers-and-brazers.htm#tab-5>

### LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

American Welding Society, <https://www.aws.org/>  
University of Texas at Tyler, <https://www.uttyler.edu/>  
Stephan F. Austin, <https://www.sfasu.edu/>

### CONTACT INFORMATION (Click link for [KC Digital Map](#))

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## Kilgore College Composite List of General Education Courses

### **! Humanities and Fine Arts**

[ARTS 1301 \(T\) - Art Appreciation](#)  
[ARTS 1303 \(T\) - Art History I](#)  
[ARTS 1304 \(T\) - Art History II](#)  
[DANC 2303 \(T\) - Dance Appreciation](#)  
[DRAM 1310 \(T\) - Theatre Appreciation](#)  
DRAM 2361 - History of the Theatre I  
DRAM 2362 - History of the Theatre II  
[DRAM 2366 \(T\) - Film Appreciation](#)  
[ENGL 1302 \(T\) - Composition II](#)  
[ENGL 2322 \(T\) - British Literature I](#)  
[ENGL 2323 \(T\) - British Literature II](#)  
[ENGL 2326 \(T\) - American Literature](#)  
[ENGL 2332 \(T\) - World Literature I](#)  
[ENGL 2333 \(T\) - World Literature II](#)  
[HIST 1301 \(T\) - United States History I](#)  
[HIST 1302 \(T\) - United States History II](#)  
[HIST 2311 \(T\) - Western Civilization I](#)  
[HIST 2312 \(T\) - Western Civilization II](#)  
[HIST 2321 \(T\) - World Civilizations I](#)  
[HIST 2322 \(T\) - World Civilizations II](#)  
[MUSI 1306 \(T\) - Music Appreciation](#)  
[PHIL 1301 \(T\) - Introduction to Philosophy](#)  
[PHIL 2306 \(T\) - Introduction to Ethics](#)

### **\$ Social and Behavioral Sciences**

[CRIJ 1301 \(T\) - Introduction to Criminal Justice](#)  
[ECON 2301 \(T\) - Principles of Macroeconomics](#)  
[ECON 2302 \(T\) - Principles of Microeconomics](#)  
[GEOG 1303 \(T\) - World Regional Geography](#)  
[GOVT 2305 \(T\) - Federal Government](#)  
[GOVT 2306 \(T\) - Texas Government](#)  
[HIST 1301 \(T\) - United States History I](#)  
[HIST 1302 \(T\) - United States History II](#)  
[PSYC 2301 \(T\) - General Psychology](#)  
[PSYC 2314 \(T\) - Lifespan Growth and Development](#)  
[SOCI 1301 \(T\) - Introductory Sociology](#)  
[SOCI 1306 \(T\) - Social Problems](#)  
[SOCI 2301 \(T\) - Marriage and the Family](#)  
[TECA 1354 \(T\) - Child Growth and Development](#)

### **@ Natural Sciences and Mathematics**

[BIOL 1406 \(T\) - Biology for Science Majors I](#)  
[BIOL 1407 \(T\) - Biology for Science Majors II](#)  
[BIOL 1408 \(T\) - Biology for Non-Science Majors I](#)  
[BIOL 1409 \(T\) - Biology for Non-Science Majors II](#)  
[BIOL 2401 \(T\) - Human Anatomy and Physiology I](#)  
[BIOL 2402 \(T\) - Human Anatomy and Physiology II](#)  
[BIOL 2406 \(T\) - Environmental Biology](#)  
[CHEM 1405 \(T\) - Introductory Chemistry I \(lecture + lab\)](#)  
[CHEM 1406 \(T\) - Introductory Chemistry I \(lecture + lab, allied health emphasis\)](#)  
[CHEM 1411 \(T\) - General Chemistry I \(lecture + lab\)](#)  
[CHEM 1412 \(T\) - General Chemistry II \(lecture + lab\)](#)  
[ENVR 1401 \(T\) - Environmental Science I](#)  
[GEOL 1301 \(T\) - Earth Sciences for Non-Science Majors I \(lecture\)](#)  
[GEOL 1403 \(T\) - Physical Geology \(lecture + lab\)](#)  
[GEOL 1404 \(T\) - Historical Geology \(lecture + lab\)](#)  
[GEOL 1405 \(T\) - Environmental Science \(lecture + lab\)](#)  
[MATH 1314 \(T\) - College Algebra](#)  
MATH 1316 - Plane Trigonometry  
[MATH 1324 \(T\) - Mathematics for Business and Social Sciences](#)  
[MATH 1325 \(T\) - Calculus for Business and Social Sciences](#)  
[MATH 1332 \(T\) - Contemporary Mathematics](#)  
[MATH 1342 \(T\) - Elementary Statistical Methods](#)  
[MATH 1350 \(T\) - Mathematics for Teachers I](#)  
[MATH 1351 \(T\) - Mathematics for Teachers II](#)  
[MATH 2412 \(T\) - Pre-Calculus Math](#)  
[MATH 2413 \(T\) - Calculus I](#)  
[MATH 2414 \(T\) - Calculus II](#)  
[MATH 2415 \(T\) - Calculus III](#)  
[PHYS 1303 \(T\) - Stars and Galaxies \(lecture\)](#)  
[PHYS 1401 \(T\) - College Physics I](#)  
[PHYS 1402 \(T\) - College Physics II](#)  
PHYS 1403 - Stars and Galaxies  
[PHYS 1404 \(T\) - Solar System](#)  
[PHYS 1405 \(T\) - Elementary Physics I](#)  
[PHYS 2425 \(T\) - University Physics I](#)  
[PHYS 2426 \(T\) - University Physics II](#)

### **% Additional Course**

An additional course from the lists above or [SPCH 1315](#) or [SPCH 1318](#) or [EDUC 1300](#) or [ENGL 2311](#) or [BCIS 1305](#)