



# CORROSION 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. METL 1313 Intro to Corrosion		F		3
<input type="checkbox"/>	2. <i>DFTG 1325 Blueprint Read &amp; Sketch</i>		F, SP		3
<input type="checkbox"/>	3. <i>ELPT 1311 Basic Electrical Theory</i>		F, SP		3
<input type="checkbox"/>	4. <i>ENTC 1347 Safety &amp; Ergonomics</i>		F, SP		3
<input type="checkbox"/>	5. <i>TECM 1343 or MATH 1314</i>		F, SP		3
					15 hours
<input type="checkbox"/>	6. METL 2301 Internal Corr Control		SP		3
<input type="checkbox"/>	7. METL 2305 Atmospheric Corr Control		SP		3
<input type="checkbox"/>	8. METL 2341 Cathodic Protection		SP		3
<input type="checkbox"/>	9. METL 2371 Corr Integrity Mgmt		SP		3
<input type="checkbox"/>	10. <i>ITSC 1309 or BCIS 1305</i>		F, SP, SU		3
	<b>*** CORROSION TECHNOLOGY CERTIFICATE OF COMPLETION ***</b>				30 hours
<input type="checkbox"/>	11. METL 1266 or METL 1291		SU		2
					32 hours
<input type="checkbox"/>	12. <i>CHEM 1405, 1406 or 1411</i>		F, SP, SU		4
<input type="checkbox"/>	13. METL 1301 Intro to Metallurgy		F		3
<input type="checkbox"/>	14. METL 2372 Corr Operator Qual 1		F		3
<input type="checkbox"/>	15. METL 2373 Corr Operator Qual 2		F		3
<input type="checkbox"/>	16. NDTE 1310 Liq Pen / Mag Part Test		F		3
					48 hours
<input type="checkbox"/>	17. ENGL 1301 Composition I		F, SP, SU		3
<input type="checkbox"/>	18. <i>PHIL 2306 Intro to Ethics*</i>	<a href="#">GE H&amp;FA !</a>	F, SP, SU		3
<input type="checkbox"/>	19. <i>PSYC 2301 General Psychology*</i>	<a href="#">GE S&amp;B \$</a>	F, SP, SU		3
<input type="checkbox"/>	20. <i>SPCH 1318 Interpersonal Comm</i>		F, SP, SU		3
	<b>*** CORROSION TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE ***</b>				60 hours
	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.

**CAREER OPPORTUNITIES**

**Career Options:** Corrosion Technician, Corrosion Inspector, Coatings Inspector, Cathodic Protection Technician, Integrity Management Technician, PHMSA/DOT Pipeline Auditor  
**Salary Information:** [BLS Occupational Outlook Handbook - Materials Engineers](#)

**ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES**

**Degrees:** Bachelor of Applied Arts & Sciences (BAAS)  
**Certifications:** NCCER Operator Qualifications (opportunity); AMPP Certifications (preparation)

**LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:**

[Association for Materials Protection and Performance \(AMPP\)](#); [UT-Tyler BAAS Degree](#)

**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](#)  
[SOC1 1301 \(T\) - Introductory Sociology](#)  
[SOC1 1306 \(T\) - Social Problems](#)  
[SOC1 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](#)