



CORROSION TECHNOLOGY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	General Ed. Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
☐	1. METL 1313 Intro to Corrosion		F		3
☐	2. DFTG 1325 Blueprint Read & Sketch		F, SP		3
☐	3. ELPT 1311 Basic Electrical Theory		F, SP		3
☐	4. OSH 1320 Industrial Safety		F, SP		3
☐	5. TECM 1343 or MATH 1314		F, SP		3
					15 hours
☐	6. METL 2301 Internal Corr Control		SP		3
☐	7. METL 2305 Atmospheric Corr Control		SP		3
☐	8. METL 2341 Cathodic Protection		SP		3
☐	9. METL 2371 Corr Integrity Mgmt		SP		3
☐	10. ITSC 1309 or BCIS 1305		F, SP, SU		3
*** CORROSION TECHNOLOGY CERTIFICATE OF COMPLETION ***					30 hours
☐	11. METL 1266 or METL 1291		SU		2
					32 hours
☐	12. CHEM 1405, 1406 or 1411		F, SP, SU		4
☐	13. METL 1301 Intro to Metallurgy		F		3
☐	14. METL 2372 Corr Operator Qual 1		F		3
☐	15. METL 2373 Corr Operator Qual 2		F		3
☐	16. NDTE 1310 Liq Pen / Mag Part Test		F		3
					48 hours
☐	17. ENGL 1301 Composition I		F, SP, SU		3
☐	18. PHIL 2306 Intro to Ethics*	GE H&FA !	F, SP, SU		3
☐	19. PSYC 2301 General Psychology*	GE S&B \$	F, SP, SU		3
☐	20. SPCH 1318 Interpersonal Comm		F, SP, SU		3
*** CORROSION TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE ***					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](#)
[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](#)