



PROCESS TECHNOLOGY PETROLEUM SPECIALTY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	Core Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
☐	1. PTRT 1401 Intro to Petroleum Industry		F		4
☐	2. PTRT 1317 Natural Gas Processing		F		3
☐	3. OSH 1320 Industrial Safety		F, Sp		3
☐	4. ENGL 1301 Composition I	GE H&FA !	F, Sp, Su		3
					13 hours
☐	5. PTAC 1310 Process Technology I - Equipment		Sp, Su		3
☐	6. PTAC 1332 Process Instrumentation I		Sp, Su		3
☐	7. PHYS 1405 Elementary Physics I		F, Sp		4
☐	8. TECM 1343 Technical Algebra and Trigonometry or MATH 1314 College Algebra**	GE NS&M @	F, Sp		3
☐	9. SPCH 1315 Public Speaking *	GE AC %	F, Sp, Su		3
					29 hours
☐	10. PTAC 2420 Process Tech II - System		F		4
☐	11. PTAC 2436 Process Instrumentation II		F		4
☐	12. PTAC 2314 Principles of Quality		F, Sp,		3
☐	13. Arts 1301 Art Appreciation *	GE H&FA !	F, Sp, Su		3
					43 hours
☐	14. PTAC 2446 Process Troubleshooting		Sp		4
☐	15. PTAC 2438 Process Tech II - Operations		Sp		4
☐	16. PTRT 2323 Natural Gas Production		Sp		3
☐	17. PTRT 2343 Refining Methods		Sp		3
☐	18. SOCI 1301 Introductory Sociology*	GE S&B \$	F, Sp, Su		3
*** ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED ***					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 Core Curriculum and KC Catalog for all possible course options.

** [Required for degree plan]

CAREER OPPORTUNITIES

Oil and Gas Pipeline industry
Petroleum Refining Plant Operations
Oil and Gas Industry
Oil and Gas Exploration
Oil and Gas Industry Sales

ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES

University of Texas at Tyler, Bachelor of Applied and Sciences (BAAS) in Industry Technology

LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

<https://www.naptaonline.org/>

Salary Information: \$50,000- \$60,000

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

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Kilgore College Composite List of General Education Courses

I 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](#)