PROCESS TECHNOLOGY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	Core Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
☐	1. PTAC 1302 Introduction Process Technology		F,Su		3
☐	2. OSHT 1320 Industrial Safety		F, Sp		3
☐	3. *1343 Technical Algebra & Trigonometry or MATH 1314 College Algebra ***		F, Sp		4
☐	4. PHYS 1405 Elementary Physics I TECM **		F, Sp		*3*
					13 hours
☐	5. *CHEM 1405 Introduction Chemistry I or CHEM 1406 or CHEM 1407***	GE NS&M @	F, Sp, Su		*4*
☐	6. **PTAC 1310 Process Technology I – Equipment**		Sp, Su		3
☐	7. **PTAC 1332 Process Instrumentation I**		Sp, Su		3
☐	8. *ENGL 1301 Composition I*	GE H&FA !	F, Sp, Su		3
☐	9. *SPCH 1315 Public Speaking **	GE AC %	F, Sp, Su		*3*
					29 hours
☐	10. **PTAC 2387 Internship (Outside Employment)**		F, Sp, Su		3
☐	11. *SOCI 1301 Introductory Sociology**	GE S&B $	F, Sp, Su		3
☐	12. **PTAC 2436 Process Instrumentation II**		F		4
☐	13. **PTAC 2420 Process Technology II - Systems**		F		4
☐	14. **PTAC 2314 Principles of Quality**		F, Sp,		3
					46 hours
☐	15. *ARTS 1301 Art Appreciation **	GE H&FA !	F, Sp, Su		3
☐	16. **PTRT 2323 Natural gas Production**		Sp		3
☐	17. **PTAC 2438 Process Tech III - Operations**		Sp		4
☐	18. **PTAC 2446 Process Troubleshooting**		Sp		4
	***** ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED***** NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.				*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 class for degree plan]

CAREER OPPORTUNITIES
Chemical Manufacturing
Water & Wastewater Treatment
Power Generation
Oil & Gas Industry
Pharmaceuticals

ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES
University of Texas at Tyler, Bachelor of Applied Arts and Sciences (BAAS) In Industrial 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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Revised September 2024

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

Revised September 2024