

Lackawanna College

PETROLEUM & NATURAL GAS TECHNOLOGY

(Available School of PNG)

ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

EFFECTIVE DATE: FALL 2018

NAME _____

Academic advisors help students coordinate their academic plans while at Lackawanna College; however, students bear the ultimate responsibility for insuring that they meet the requirements for their degree.

Students must be “college ready” (no developmental or bridge coursework remaining) to declare this major and begin the program. Coursework in the Petroleum and Natural Gas Technology major is sequential and begins in the fall semester.

<u>Semester Taken</u>	<u>Grade Earned</u>	<u>First Semester (17 Credits)</u>	<u>Semester Taken</u>	<u>Grade Earned</u>	<u>Second Semester (15 Credits)</u>
_____	_____	CIS 105/CIS 115 Intro Comp Apps/Comp Apps II	_____	_____	PNG 225 Instruments, Measurements
		OR	_____	_____	PNG 125 Industrial Safety/OSHA Regs.
_____	_____	Core Curriculum Elective _____	_____	_____	PNG 130 PNG Handling & Processing
_____	_____	PHY 150 Physical Science for Petroleum/NG (4 cr)	_____	_____	PNG 135 PNG Production
_____	_____	MAT 150 Math for Petroleum/NG	_____	_____	ENG 105 College Writing
_____	_____	PNG 105 Intro to Petroleum/NG Technology	_____	_____	OR
_____	_____	PNG 210 Electronics	_____	_____	ENG 115 Business Communications*
_____	_____	COL 101 Freshman Experience (1 cr)			

SUMMER

_____ PNG 200 PNG Internship (160 hours internship/coop. study with industry) 3 cr.

<u>Semester Taken</u>	<u>Grade Earned</u>	<u>Third Semester (15 Credits)</u>	<u>Semester Taken</u>	<u>Grade Earned</u>	<u>Fourth Semester (13 Credits)</u>
_____	_____	COM 125 Effective Speaking	_____	_____	PHL 150 Ethics, Leadership & Regulations
_____	_____	PNG 245 Drilling/Completion Technology	_____	_____	PNG 220 PNG Well Comp., Workovers/Service
_____	_____	PNG 215 Elect/Pneumatic Process Control Syst	_____	_____	CIS 210 Computerized Spreadsheets
_____	_____	PNG 230 Compression & Pipelining	_____	_____	PNG Elective _____
_____	_____	Social Science Elective _____	_____	_____	COL 201 Capstone Seminar (1 cr.)

Core Curriculum Elective: any non-required humanities, social science, or science elective

Social Science Elective: PAD 105; any non-required psychology, sociology, education, criminal justice, or history listing

PNG Elective: PNG 140, PNG 150, PNG 260, PNG 270, ECL 135, ESC 150; Petroleum Geology, Petroleum Engineering, Geophysics approved by director

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ASSOCIATE IN SCIENCE DEGREE

PORTFOLIO REQUIREMENTS

CAREER DOCUMENTS

_____Current Resume

_____Letter of recommendation

CORE COURSEWORK

_____ENG 105 - College Writing - Research Paper

OR

_____ENG 115 - Business Communications - designated project

MAJOR COURSEWORK (3 samples - graded papers or projects)

_____PNG 125 - Industrial Safety - designated project

_____PNG 200 - Internship - summary report

_____Graded PNG coursework sample from one of the following courses:

 PNG 220 - PNG Completions, Workovers, and Well Service

 PNG 225 - PNG Instrumentation, Measurement, and Control

 PNG 245 - Drilling and Completion Technology

_____LACKAWANNA REFLECTION PAPER