

Lackawanna College

PETROLEUM & NATURAL GAS TECHNOLOGY (Available School of PNG)

ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

EFFECTIVE DATE: FALL 2016

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</u>	<u>Grade</u>	
<u>Taken</u>	<u>Earned</u>	<u>First Semester</u>

_____	_____	CIS 105/CIS 115 Intro Comp Apps/Comp Apps II
_____	_____	PHY 150 Physical Science for Petroleum/NG (4 cr)
_____	_____	MAT 150 Math for Petroleum/NG
_____	_____	PNG 105 Intro to Petroleum/NG Technology
_____	_____	COL 101 Freshman Experience (1 cr)

<u>Semester</u>	<u>Grade</u>	
<u>Taken</u>	<u>Earned</u>	<u>Second Semester</u>

_____	_____	PNG 210 Electronics
_____	_____	PNG 125 Industrial Safety/OSHA Regs.
_____	_____	PNG 130 PNG Handling & Processing
_____	_____	PNG 135 PNG Production
_____	_____	ENG 105 College Writing
		OR
_____	_____	ENG 115 Business Communications*

SUMMER

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

<u>Semester</u>	<u>Grade</u>	
<u>Taken</u>	<u>Earned</u>	<u>Third Semester</u>

_____	_____	COM 125 Effective Speaking
_____	_____	PNG 245 Drilling/Completion Technology
_____	_____	PNG 215 Elect/Pneumatic Process Control Syst
_____	_____	PNG 230 Compression & Pipelining
_____	_____	PNG 225 Instruments, Measurements, Control

<u>Semester</u>	<u>Grade</u>	
<u>Taken</u>	<u>Earned</u>	<u>Fourth Semester</u>

_____	_____	PHL 150 Ethics, Leadership & Regulations
_____	_____	PNG 220 PNG Well Comp., Workovers/Service
_____	_____	CIS 210 Computerized Spreadsheets
_____	_____	Social Science Elective _____
_____	_____	PNG Elective _____
_____	_____	COL 201 Capstone Seminar (1 cr.)

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

PETROLEUM AND NATURAL GAS TECHNOLOGY

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**