

Lackawanna College

PETROLEUM & NATURAL GAS INDUSTRIAL MECHANICS (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 Industrial Mechanics major is sequential and begins in the fall semester.

<u>Semester</u>	<u>Grade</u>	
<u>Taken</u>	<u>Earned</u>	<u>First Semester (15 Credits)</u>

_____	_____	PNG 140 NG Compression Tech I/Lab (4 cr.)
_____	_____	PNG 125 Industrial Safety/OSHA Regs
_____	_____	PHY 150 Physical Science for Petro/NG (4 cr.)
_____	_____	MAT 150 Math for Petroleum/NG
_____	_____	COL 101 Freshman Experience (1 cr.)

<u>Semester</u>	<u>Grade</u>	
<u>Taken</u>	<u>Earned</u>	<u>Second Semester (16 Credits)</u>

_____	_____	PNG 105 Intro to Petroleum/NG Technology
_____	_____	PNG 215 Elect/Pneumatic Process Control Syst
_____	_____	PNG 150 NG Engine Mechanics I/Lab (4 cr.)
_____	_____	PNG 210 Electronics
_____	_____	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 (15 Credits)</u>

_____	_____	COM 125 Effective Speaking
_____	_____	PNG 225 Instruments, Measurements, Control
_____	_____	PNG 250 NG Engine Mechanics II (4 cr.)
_____	_____	PNG 265 Pipelining for Industry Mech (2 cr.)
_____	_____	PHL 150 Ethics, Leadership & Regulations

<u>Semester</u>	<u>Grade</u>	
<u>Taken</u>	<u>Earned</u>	<u>Fourth Semester (14 Credits)</u>

_____	_____	PNG 240 NG Comp Tech II/Lab (4cr.)
_____	_____	PNG 260 Production Comm Systems
_____	_____	PNG 270 Petrochemical Processing & Refining
_____	_____	Social Science Elective_____
_____	_____	COL 201 Capstone Seminar (1 cr.)

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

PETROLEUM & NATURAL GAS INDUSTRIAL MECHANICS

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 250 - NG Engine Mechanics II

 PNG 225 - PNG Instrumentation, Measurement, and Control

 PNG 240 - NG Compression Technology II

_____LACKAWANNA REFLECTION PAPER