

Lackawanna College

PETROLEUM & NATURAL GAS TECHNOLOGY

(Available School of PNG)

ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

EFFECTIVE DATE: FALL 2017

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.

Semester Grade
Taken Earned First Semester

_____ _____ CIS 105/CIS 115 Intro Comp Apps/Comp Apps II
OR
 _____ _____ Core Curriculum Elective _____
 _____ _____ 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)

Semester Grade
Taken Earned Second Semester

_____ _____ 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.

Semester Grade
Taken Earned Third Semester

_____ _____ 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

Semester Grade
Taken Earned Fourth Semester

_____ _____ 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.)

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

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**