

Lackawanna College

PETROLEUM & NATURAL GAS MEASUREMENT (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 Measurement major is sequential and begins in the fall semester.

| <u>Semester</u> <u>Taken</u> | <u>Grade</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>Taken</u> | <u>Grade</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>Taken</u> | <u>Grade</u> <u>Earned</u> | <u>Third Semester</u> |
|---------------------------------|-------------------------------|-----------------------|
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| | | |
|-------|-------|--|
| _____ | _____ | CIS 210 Computerized Spreadsheets |
| _____ | _____ | PNG 215 Elect/Pneumatic Process Control Syst |
| _____ | _____ | PNG 225 Instruments, Measurements, Control |
| _____ | _____ | PNG 230 Compression & Pipelining |
| _____ | _____ | PNG 235 Measurement & Testing I |

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

| | | |
|-------|-------|--|
| _____ | _____ | PHL 150 Ethics, Leadership & Regulations |
| _____ | _____ | COM 125 Effective Speaking |
| _____ | _____ | PNG 255 Measurement & Testing II |
| _____ | _____ | Social Science Elective _____ |
| _____ | _____ | PNG Elective _____ |
| _____ | _____ | COL 201 Capstone Seminar (1 cr.) |

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

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 235 - Measurement & Testing I

 PNG 225 - PNG Instrumentation, Measurement, and Control

 PNG 255 - Measurement & Testing II

_____ **LACKAWANNA REFLECTION PAPER**