

Lackawanna College

PETROLEUM & NATURAL GAS TECHNOLOGY (Available Tunkhannock)

ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

EFFECTIVE DATE: FALL 2024-2025

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.

	Required		Enrolled	Required		Enrolled
	Yes	No		Yes	No	
DEV 010 Basic Writing Skills	___	___	_____	___	___	_____
DEV 020 Reading For College	___	___	_____	___	___	_____
DEV 030 Basic Math Skills	___	___	_____	___	___	_____
				ENG 102 Fundamentals of Writing		_____
				ENG 103 Critical Reading		_____
				MAT 110 Intro to Algebra		_____

Semester Grade
Taken Earned First Semester (13 credits)

___	___	PNG 105 Intro to Petroleum/NG Technology
___	___	PHY 150 Physical Science for Petroleum/NG
___	___	MAT 120 College Algebra*
OR		
___	___	MAT 150 Math for Petroleum/NG*
___	___	PNG 175 Compression Mechanics I**
___	___	COL 101 Freshman Experience (1 cr.)

Semester Grade
Taken Earned Second Semester (15 credits)

___	___	PNG 125 Industrial Safety/OSHA Regs
___	___	PNG 145 Field Handling, Proc., Pipelining
___	___	PNG 185 Engine Mechanics I**
___	___	PNG 210 Electronics
___	___	PNG 290 Precision Measurement**

SUMMER

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

Semester Grade
Taken Earned Third Semester (16 credits)

___	___	PNG 135 Production
___	___	PNG 205 Instrumentation, Measure, Controls (4 cr.)
___	___	PNG 215 Pneumatics/ Hydraulics
___	___	PNG Elective (200 level) _____
___	___	ENG 105 College Writing*
OR		
___	___	ENG 115 Business Communications*

Semester Grade
Taken Earned Fourth Semester (16 credits)

___	___	PNG Elective (200 level) _____
___	___	PHL 150 Ethics, Leadership & Regulations
___	___	CIS 210 Spreadsheets for Business
___	___	COM 125 Effective Speaking
___	___	Social Science Elective _____
___	___	PNG 201 Capstone (1 cr.)

Social Science Elective: PAD 105; any non-required psychology, sociology, criminal justice, education, or history listing, LAW 230

*Developmental Education requirements must be successfully completed before a student may enroll in these courses. Credits earned in developmental courses cannot be applied toward graduation.

**Course not available online

200 LEVEL PNG ELECTIVE OPTIONS ARE LISTED ON BACK OF CURRICULUM GUIDE

200 LEVEL PNG ELECTIVES

PNG 220 – Well Completions, Workover & Service

PNG 235 – Measurement & Testing I

PNG 240 – Natural Gas Comp Tech II/w/lab

PNG 245 – Drilling and Completions Technology

PNG 255 – Measurement & Testing II

PNG 260 – Production Communications Systems

PNG 275 – Compressor Mechanics II*

PNG 280 – Field Operations*

PNG 285 – Engines Mechanics II*

*Course not available online