

Petroleum Technology Lease Operator Career Program
Associate of Applied Science Degree and Certificate

The Lease Operator Associate of Applied Science degree or certificate program is designed to provide technically oriented entry-level employees with knowledge and skills of production processes and equipment operation required to efficiently and safely monitor, troubleshoot and operate wells in their area of responsibility.

This is a selective admission program that requires instructor approval for admission.
A student must earn a grade of "C" or higher in all courses to obtain a degree.

Core courses:

1st Semester

			AAS	Cert.
_____	COSC	137	Energy Industry Microcomputer OR	
_____	COSC	125	Business Microcomputer Applications	3
_____	SAFE	139	Composite Safety Training	3
_____	SAFE	114	Haz Woper	2
_____	LSOP	111	Production Field Tech	2
_____	LSOP	114	Wellhead Operation and Design	1
_____	LSOP	113	Surface Equipment Preventive and Maintenance	2
_____	LSOP	181	Cooperative Work Experience I	7
			Total 20	20

2nd Semester

_____	COMP	147	Introduction to Natural Gas Engine and Combustion	2	2
_____	LSOP	226	Adv. Separator Valve Training II	1	1
_____	LSOP	201	Basic Oil Measurement and Gauging	1	1
_____	LSOP	202	Basic Field Gas Measurement	2	2
_____	LSOP	203	Introduction to Wireline and Swab Techniques	1	1
_____	LSOP	205	Beam Lift and Chemical Pump	2	2
_____	LSOP	207	Introduction Plunger Lift	2	2
_____	LSOP	206	Reduced Production Rates	1	1
			Total 12	12	

Total Core Credit Hours 32 32

Summer Session

_____	GEOL	110	Introduction to Geology OR	
_____	GEOL	120	Introduction to Petroleum Geology	4
_____	ENGL	111	Freshman Composition OR	
_____	ENGL	118	Technical Composition	3
_____	LSOP	281	Cooperative Work Experience II OR	9

Select 9 credits from the following programs:

Industrial Maintenance Mechanic
Industrial Process Operator
Natural Gas Compression
Occupational Safety

OR Select 9 credits from the following areas:

Humanities and Fine Arts

MUSI 110	3
THEA 110	3
PHIL 110	3
HIST 211, 212	3

Social Sciences

ECON 251, 252	3
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Science

BIOL 110, 112, 122	3
CHEM 110, 111, 112	3
PHYS 111	3

Total 16

In addition, the following courses must be completed to earn the Associate's Degree. They can be taken **before, after or in conjunction** with the core classes.

4th Semester

_____	ENGL	211	Advanced Composition OR	
_____	ENGL	218	Advanced Technical Composition	3
_____	MATH	113	Math for Technical Careers OR	3
_____	MATH	115	Intermediate Algebra and Applications	4
_____	COMM	111	Interpersonal Communication OR	
_____	COMM	120	Business and Professional Communication	3
_____	AOAP	130	Human and Customer Relations OR	
_____	PSYC	120	Introduction to Psychology	3
_____			Social Science Elective	3

Total 15 or 16

Total Degree Credit Hours 63 or 64