

PETROLEUM TECHNOLOGY
CERTIFICATE OF COMPLETION
(Carthage Campus & Shelby Regional Training Center)

Faculty advisor: Mr. Gary Hughes

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The Petroleum Technology program at the Carthage Campus and Shelby Regional Training Center is a two-year, four semester course of study. During the two-year program, you will attend fall and spring classes on campus followed by a summer internship. As an intern, you have the opportunity to work alongside professionals within gas pipeline companies, gas processing/gathering companies, or gas compressor rental fleets.

All students (including dual credit students) must pass at least one part of Accuplacer (or THEA) with the state mandated scores. Dual credit students that fail any part of Accuplacer or THEA will not be allowed to take **Industrial/Petroleum Technology: Associate of Applied Science Degree, Industrial, Environmental & Petroleum Technology: Certificate Programs.** Students that are not successful in passing Accuplacer or THEA will have additional opportunities to take the exams for additional costs.

FIRST SEMESTER (Petroleum Technology Training Tech I Certification - 15 hrs)

___ OSHT	1301	Intro to Safety & Health	3-3-0
___ ELPT	1311	Basic Electrical Theory	3-2-2
___ PTRT	1301	Intro to Petroleum Industry	3-3-0
___ AGCR	1397	Natural Resource Communication	3-3-0
___ DFTG	1358	Electrical/Electronics Drafting (DFTG 1325 Archived)	3-3-0

SECOND SEMESTER (Petroleum Technology Training Tech II – Certification – 15 hrs)

___ ELMT	2333	Industrial Electronics	3-2-2
___ PTRT	1317	Natural Gas Processing I	3-2-2
___ WLDG	1323	Welding Safety, Tools & Equipment	3-3-0
___ PTRT	1321	Hydraulics & Pneumatics	3-2-2
___ PTRT	1307	Production Methods (Surface Equip)	3-3-0

SUMMER INTERM (3 hrs) - 10 weeks (OPTIONAL)

___ INMT	2388	INTERNSHIP	3-0-9
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THIRD SEMESTER – (Petroleum Technology Training Tech III – Certification – 16 hrs)

___ PTRT	1391	Natural Gas Compression I	3-2-2
___ GISC	1302	Understanding Geographic Information Systems (GIS)	3-3-0
___ ELMT	1301	Basic Programmable Controllers	3-2-2
___ PTRT	2343	Refining Methods	3-2-2
___ INMT	2303	Pumps, Compressors & Mechanical Drives	3-2-2

FOURTH SEMESTER – (Petroleum Technology Training Tech IV – Certification – 15 hrs)

___ PTRT	1324	Petroleum Instrumentation	3-2-2
___ ELPT	1341	Motor Controls	3-2-2
___ PTRT	2331	Well Completion (Drilling Fluids)	3-2-2
___ PTRT	1303	Drilling	3-2-2
___ BIOL	2306	Environmental Biology	3-3-0

PETROLEUM TECHNOLOGY

Associate of Applied Science Degree

Admission Requirements:

(Carthage Campus & Shelby Regional Training Center)

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Semester I

___	OSHT	1301	Intro to Safety & Health	3-3-0
___	ELPT	1311	Basic Electrical Theory	3-2-2
___	PTRT	1301	Intro to Petroleum Industry	3-3-0
___	AGCR	1397	Natural Resource Communication	3-3-0
___	DFTG	1358	Electrical/Electronics Drafting (DFTG 1325 Archived)	3-3-0
___	Required		Humanities/Fine Arts Elective (3hrs)	3-3-0

Semester II

___	ELMT	2333	Industrial Electronics	3-2-2
___	PTRT	1317	Natural Gas Processing I	3-2-2
___	WLDG	1323	Welding Safety, Tools & Equipment	3-3-0
___	PTRT	1321	Hydraulics & Pneumatics	3-2-2
___	PTRT	1307	Production Methods (Surface Equip)	3-3-0
___	Required		Social/Behavioral Science Elective (3hrs)	3-3-0

Summer-10 Week Internship (OPTIONAL)

___	INMT	2388	INTERNSHIP	3-0-9
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Semester III

___	PTRT	1391	Natural Gas Compression I	3-2-2
___	GISC	1302	Understanding Geographic Information Systems (GIS)	3-3-0
___	ELMT	1301	Basic Programmable Controllers	3-2-2
___	PTRT	2343	Refining Methods	3-2-2
___	INMT	2303	Pumps, Compressors & Mechanical Drives	3-2-2
___	Required		Government Elective (3)	3-3-0

Semester IV

___	PTRT	1324	Petroleum Instrumentation or ELPT 1341 Motor Controls	3-2-2
___	PTRT	2331	Well Completion (Drilling Fluids)	3-2-2
___	PTRT	1303	Drilling	3-2-2
___	Required		Science/Math Elective (3hrs)	3-3-0
___	Required		Speech 1315 or 1318 Elective (3hrs)	3-3-0