

**Career and Technical  
Education**

# Memo

**To:** Gilberto Gonzalez, Superintendent

**From:** Ana Laura Castellón, CTE Director



**Date:** March 25, 2015

**Re:** New Courses-Oil & Gas Production

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Attached is a request for Action Item for New Courses for 2015-2016. The new courses are as follows:

2022-Principles of Oil & Gas Production  
2023 Oil & Gas Production I  
2024 Oil & Gas Production II

I respectfully request that attached item be presented to the EPISD Board of Trustees at the next regular scheduled meeting for approval.

Call me if you need additional information.

Approved: \_\_\_\_\_

Samuel Mijares, Deputy Superintendent for Curriculum & Instruction

**Course:** Principles of Oil & Gas Production  
**Local Course Number:** 2022  
**PEIMS Code:** N1300253  
**Abbreviation:** PRINPROD  
**Grade:** 10-11  
**Credits:** 1  
**Pre-requisites:** English 1 and Algebra 1

**Course Description:**

Course will introduce students to the oil and gas professions, including the distinction between the different career opportunities and the required certification and degree for each. Students will study the history, current and future significance of the petroleum industry, and the applications of associated tools, equipment, technologies, and governing authorities.

**Course:** Oil & Gas Production I  
**Local Course Number:** 2023  
**PEIMS Code:** N1300254  
**Abbreviation:** PRODSYS I  
**Grade:** 10-11  
**Number of Credits:** 1  
**Pre-requisites:** Principles of Oil & Gas Production

**Course Description:**

Oil and Gas Production I will identify specific career opportunities, skills, abilities, tools, certification, and safety measures associated with each career. Students will develop critical thinking skills and understand components, systems, equipment, and production and safety regulations associated with oil and gas well production and maintenance. Second course in the Oil and Gas Production pathway.

**Course:** Oil & Gas Production II  
**Local Course Number:** 2024  
**PEIMS Code:** N1300255  
**Abbreviation:** PRODSYS 2  
**Grade:** 11-12  
**Number of Credits:** 2

**Course Description:**

Course will provide students with an overview of specific requirements for entry into post-secondary education and employment in the oil & gas industry. Students will research and discuss petroleum economics, modes of transportation, environmental, health and safety concerns, and different energy sources. The course prepares students for industry certification. Third course in the Oil & Gas Production pathway.

**Approved Innovative Courses—Career and Technical Education (CTE) cont.**

<b>Course Name</b>	<b>PEIMS Code</b>	<b>AAR Abbreviation</b>	<b>Credits</b>	<b>Contact</b>	<b>Expiration</b>
Mathematics for Medical Professionals	N1302097	MDMTH	1	<u>Ron Whitson</u>	TBD*
An instructional program that prepares students with skills to compute mathematical equations related to healthcare. The course integrates medical-physiological concepts and mathematics.					
Oil and Gas Production Systems I	N1300254	PRODSYS1	1-2	<u>Ron Whitson</u>	TBD*
Students enrolled in this program will identify specific career opportunities in the oil and gas industry, and the skills, abilities, tools, certification, and safety measures associated with each career. Students will also be provided with an understanding of components, systems, equipment, production, and safety regulations associated with oil and gas well production and maintenance.					
Oil and Gas Production Systems II	N1300255	PRODSYS2	1-3	<u>Ron Whitson</u>	TBD*
This course will provide students with an overview of specific requirements for entry into post-secondary education and employment in the oil industry. This course prepares students for industry certification and is recommended for students in 10-12th grade.					
Oil and Gas Production Systems III	N1300256	PRODSYS3	1-3	<u>Ron Whitson</u>	TBD*
In this course, students will study well control practices applicable to drilling, completion and production. This includes calculating and evaluating the characteristics of the flowing and static fluids in various tubular and annular systems.					
Oil and Gas Production Systems IV	N1300257	PRODSYS4	1-3	<u>Ron Whitson</u>	TBD*
This course prepares students to assess the effects of drilling through the production formation and choose tools and procedures for completing a drilled wellbore.					
Organic Sustainable Food Production	N1300252	ORGFODD	1-2	<u>Ron Whitson</u>	TBD*
Organic Sustainable Food Production is designed to explore the history, industry, principles, and practices of organic sustainable food production. Students will research how food raised organically might benefit people and the environment, gain knowledge in organic nutrition, passive solar greenhouses, organic certification requirements, composting, organic agricultural economics, and recycling.					
Parenting Education for School Age Parents I-II	N1302536 N1302537	PAEDSAP1 PAEDSAP2	1/2-1	<u>Diane Salazar</u>	TBD*
This laboratory course is designed to address the special needs and interests of male and female students who are parents, who are pregnant, or who are expecting to become parents in the near future.					
Principles of Oil and Gas Production	N1300253	PRINPROD	1/2-1	<u>Ron Whitson</u>	TBD*
This course will provide students an introduction to oil and gas professions including the distinction between the different career opportunities and the required certification and degree for each.					

\*To be Determined: The expiration dates of these courses coincide with the adoption of Texas Essential Knowledge and Skills (TEKS) in the related subject area.