Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.
The Oil and Gas Exploration and Production program of study focuses on processing, refining, and distributing petroleum and gas. It introduces students to the process of regulating the flow of oil into pipelines, controlling pumping systems, and operating and maintaining machinery to generate electric power.

The Energy Career Cluster® prepares individuals for careers in the designing, planning, maintaining, generating, transmission, and distribution of traditional and alternative energy.

Successful completion of the Oil and Gas Exploration and Production program of study will fulfill requirements of the Business and Industry Endorsement.
<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>SERVICE ID</th>
<th>PREREQUISITES (PREQ) COREQUISITES (CREQ)</th>
<th>GRADE</th>
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<tbody>
<tr>
<td>Oil and Gas Production I</td>
<td>13001250 (1 credit)</td>
<td>None</td>
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<td>Foundations of Energy</td>
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<td>Oil and Gas Production IV</td>
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<td>Project-Based Research</td>
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<tr>
<td>Applied Mathematics for Technical Professionals</td>
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<tr>
<td>Practicum in Energy</td>
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</table>

FOR ADDITIONAL INFORMATION ON THE ENERGY CAREER CLUSTER, PLEASE CONTACT:
Laura Torres | Laura.Torres@tea.texas.gov
https://tea.texas.gov/cte
The Refining and Chemical Processes program of study helps students discover how to monitor, adjust, and control different equipment housed in petrochemical plants and refineries. It introduces students to the computer technology and instrumentation used to operate a variety of equipment systems and industrial processes, helping students build the skills needed to operate these systems.

The Energy Career Cluster® prepares individuals for careers in the designing, planning, maintaining, generating, transmission, and distribution of traditional and alternative energy.

Successful completion of the Refining and Chemical Processes program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019
### COURSE INFORMATION

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<tr>
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<th>GRADE</th>
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<td>Project-Based Research</td>
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