

 	<b>ONE-YEAR CERTIFICATE</b> <b>PETROLEUM INDUSTRIAL MECHANICS</b> <b>TECHNOLOGY</b>	<b>2021 Catalog</b> Effective Summer 2020
	<i>The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.</i>	<b>4310</b>

Engineering Technologies Division

Oil and Gas Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MST221	Mechanical Drive Components	3		
PET132	Petroleum Instrumentation	3		
AIT134	Preventive and Predictive Maintenance	3	MST221 and MST125	
MST134	Hydraulic and Pneumatic Systems <sup>^</sup>	6	MTH022 or MTH023 or Proficiency	
MST125	Basic Pumps	3		
ARL234	Gas Compression and Flow Dynamics	3		
	<b>Total</b>	<b>21</b>		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar <sup>^^</sup>	1	<i>Take first semester</i>	
PET101	Introduction to the Petroleum Industry	3		
AIT124	Principles of Rigging	2		
EST230	Electrical Circuits and Devices <sup>^</sup>	4	(MTH025 or Proficiency) or MTH107	
MST121 or DET125	Blueprint Reading or Basic AutoCAD	2 or 3		
	<b>Total</b>	<b>12-13</b>		
	<b>TOTAL CREDIT HOURS</b>	<b>33-34</b>		

<sup>^</sup>Based on SSC placement scores

<sup>^^</sup>To promote student success, this course should be taken in the first semester

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FULL-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students seeking a one-year certificate.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-Requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
PET101	Introduction to the Petroleum Industry	3	
ARL234	Gas Compression and Flow Dynamics	3	
MST221	Mechanical Drive Components	3	
MST125	Basic Pumps	3	
EST230	Electrical Circuits and Devices^	<u>4</u>	(MTH025 or Proficiency) <b>or</b> MTH107
		<b>17</b>	
<u>Second Semester</u>			
MST134	Hydraulic and Pneumatic Systems^	6	MTH022 <b>or</b> MTH023 <b>or</b> Proficiency
MST121	Blueprint Reading	2	
<b>or</b>	<b>or</b>	<b>or</b>	
DET125	Basic AutoCAD	3	
AIT124	Principles of Rigging	2	
PET132	Petroleum Instrumentation	3	
AIT134	Preventive and Predictive Maintenance	<u>3</u>	MST221 <b>and</b> MST125
		<b>16-17</b>	
	<b>TOTAL CREDITS</b>	<b>33-34</b>	

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester