

 	<b>ONE-YEAR CERTIFICATE</b> <b>PETROLEUM INDUSTRIAL MECHANICS</b> <b>TECHNOLOGY</b>	<b>1920 Catalog</b> Effective Summer 2019
	<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	EST230 <b>and</b> (CHM101 or ARL234)	
AIT134	Preventive and Predictive Maintenance	3	MST221 and MST125	
MST134	Hydraulic and Pneumatic Systems <sup>^</sup>	6	(MTH091 and MTH092) or Proficiency	
MST125	Basic Pumps	3		
ARL234	Gas Compressions 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	[(MTH093 and MTH094) <b>or</b> Proficiency] <b>or</b> MTH107	
MST121 <b>or</b> DET125	Blueprint Reading <b>or</b> Basic AutoCAD	2 <b>or</b> 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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PART-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 who plan to finish in four semesters.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisite</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
PET101	Introduction to the Petroleum Industry	3	
EST230	Electrical Circuits and Devices^	<u>4</u>	[(MTH093 and MTH094) or Proficiency] <b>or</b> MTH107
		<b>8</b>	
 <u>Second Semester</u>			
ARL234	Gas Compression and Flow Dynamics	3	
MST125	Basic Pumps	3	
AIT124	Principles of Rigging	<u>2</u>	
		<b>8</b>	
 <u>Third Semester</u>			
MST134	Hydraulic and Pneumatic Systems^	6	(MTH091 and MTH092) <b>or</b> Proficiency
MST221	Mechanical Drive Components	<u>3</u>	
		<b>9</b>	
 <u>Fourth Semester</u>			
PET132	Petroleum Instrumentation	3	EST230 <b>and</b> (CHM101 or ARL234)
MST121	Blueprint Reading	2	
<b>or</b>	<b>or</b>	<b>or</b>	
DET125	Basic AutoCAD	3	
AIT134	Preventive and Predictive Maintenance	<u>3</u>	MST221 <b>and</b> MST125
		<b>8-9</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