

 	ONE-YEAR CERTIFICATE PETROLEUM INDUSTRIAL MECHANICS TECHNOLOGY	2021-22 Catalog Effective Summer 2021
	<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>	4310

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 [^]	4	MTH022 or MTH023 or Proficiency	
MST125	Basic Pumps	3		
ARL234	Gas Compression and Flow Dynamics	3		
	Total	19		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar ^{^^}	1	<i>Take first semester</i>	
PET101	Introduction to the Petroleum Industry	3		
AIT124	Principles of Rigging	2		
EST230	Electrical Circuits and Devices [^]	4	(MTH025 or Proficiency) or MTH107	
MST121 or DET125	Blueprint Reading or Basic AutoCAD	2 or 3		
	Total	12-13		
	TOTAL CREDIT HOURS	31-32		

[^]Based on SSC placement scores

^{^^}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) or MTH107
	17	
 <u>Second Semester</u>		
MST134 Hydraulic and Pneumatic Systems^	4	MTH022 or MTH023 or Proficiency
MST121 Blueprint Reading	2	
or	or	
DET125 Basic AutoCAD	3	
AIT124 Principles of Rigging	2	
PET132 Petroleum Instrumentation	3	
AIT134 Preventive and Predictive Maintenance	<u>3</u>	MST221 and MST125
	14-15	
TOTAL CREDITS	31-32	

^Based on SSC placement scores

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