
 Stark State COLLEGE 	ONE-YEAR CERTIFICATE INDUSTRIAL PROCESS OPERATION TECHNOLOGY	1920 Catalog 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>	4311

Engineering Technologies Division

Oil and Gas Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MST134	Hydraulic and Pneumatic Systems [^]	6	(MTH091 and MTH092) or Proficiency	
MST221	Mechanical Drive Components	3		
PET132	Petroleum Instrumentation	3	EST230 and (CHM101 or ARL234)	
EST230	Electrical Circuits and Devices [^]	4	[(MTH093 and MTH094) or Proficiency] or MTH107	
EET227	PLCs and Industrial Controls I	3	EET120 or EST230	
ARL234	Gas Compression and Flow Dynamics	3		
ARL239	Large Line Unit Compressor Assembly	3		
	Total	25		
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		
ENV221	OSHA 40-Hour HAZWOPER	2		
MST121 or DET125	Blueprint Reading or Basic AutoCAD	2 or 3		
	Total	8-9		
	TOTAL CREDIT HOURS	33-34		

[^]Based on SSC placement scores

^{^^}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>
EST230 Electrical Circuits and Devices^	4	[(MTH093 and MTH094) or Proficiency] or MTH107
PET101 Introduction to the Petroleum Industry	<u>3</u>	
	8	
 <u>Second Semester</u>		
MST221 Mechanical Drive Components	3	
ARL234 Gas Compression and Flow Dynamics	3	
ARL239 Large Line Unit Compressor Assembly	<u>3</u>	
	9	
 <u>Third Semester</u>		
MST134 Hydraulic and Pneumatic Systems^	6	(MTH091 and MTH092) or Proficiency
MST121 Blueprint Reading	2	
or DET125 Basic AutoCAD	<u>3</u>	
	8-9	
 <u>Fourth Semester</u>		
PET132 Petroleum Instrumentation	3	EST230 and (CHM101 or ARL234)
EET227 PLCs and Industrial Controls I	3	
ENV221 OSHA 40-Hour HAZWOPER	<u>2</u>	
	8	
TOTAL CREDITS	33-34	

^Based on SSC placement scores

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