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|   | ONE-YEAR CERTIFICATE PETROLEUM INSTRUMENTATION AND ELECTRONICS TECHNICIAN | 2023-24 Catalog Effective Summer 2023 |
| | <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> | 4325 |

Business, Engineering, and Information Technologies Division

CDL, Energy, and Environmental Technology Department

| TECHNICAL Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
|-------------------------------|--|---------------------|--|---------------------|
| MST221 | Mechanical Drive Components | 3 | | |
| EET227 | PLCs and Industrial Controls I | 3 | EET120 or EST230 | |
| EST230 | Electrical Circuits and Devices [^] | 4 | (MTH025 or Proficiency) or MTH107 | |
| ARL234 | Gas Compression and Flow Dynamics | 3 | | |
| PET102 | Introduction to Supervisory Control and Data Acquisition (SCADA) | 2 | | |
| PET132 | Petroleum Instrumentation | 3 | | |
| PET141 | Production Operations | 3 | | |
| PET210 | Petroleum Process Controls | 3 | | |
| MST121 or DET125 | Blueprint Reading or Basic AutoCAD | 2 or 3 | | |
| Total | | 26-27 | | |
| 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 | | |
| Total | | 6 | | |
| TOTAL CREDIT HOURS | | 32-33 | | |

[^]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> |
| PET101 | Introduction to the Petroleum Industry | 3 | |
| ARL234 | Gas Compression and Flow Dynamics | <u>3</u> | |
| | | 7 | |
| <u>Second Semester</u> | | | |
| MST221 | Mechanical Drive Components | 3 | |
| EST230 | Electrical Circuits and Devices^ | 4 | (MTH025 or Proficiency) or MTH107 |
| PET102 | Introduction to Supervisory Control and Data Acquisition (SCADA) | <u>2</u> | |
| | | 9 | |
| <u>Third Semester</u> | | | |
| PET141 | Production Operations | 3 | |
| PET210 | Petroleum Process Controls | 3 | |
| MST121 | Blueprint Reading | 2 | |
| or | or | or | |
| DET125 | Basic AutoCAD | <u>3</u> | |
| | | 8-9 | |
| <u>Fourth Semester</u> | | | |
| PET132 | Petroleum Instrumentation | 3 | |
| EET227 | PLCs and Industrial Controls I | 3 | EET120 or EST230 |
| ENV221 | OSHA 40-Hour HAZWOPER | <u>2</u> | |
| | | 8 | |
| TOTAL CREDITS | | 32-33 | |

^Based on SSC placement scores

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