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|   | CAREER ENHANCEMENT CERTIFICATE CIVIL ENGINEERING TECHNOLOGY – CONSTRUCTION MATERIALS INSPECTION | 2022-23 Catalog Effective Summer 2022 |
| | <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> | |

4209

Business, Engineering, and Information Technologies Division

Engineering Technology Department

| Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
|---------------------------|---|-----------|--|---------------------|
| CET121 | Building Materials and Construction Methods | 3 | | |
| CET125 | Soil Mechanics | 3 | (MTH125 or MTH135) and MET124 | |
| CET222 | Concrete and Asphalt Testing | 3 | (MTH125 or MTH135) and CET121 | |
| MET124 | Statics and Strength of Materials | 4 | Pre-Co-PHY121 or Pre-Co-PHY221 | |
| MTH135 | Precalculus [^] – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i> | 5 | MTH025 or Proficiency | |
| PHY121 | College Physics I with Algebra (lab) | 4 | MTH135 or (MTH125 and MTH130) or Proficiency | |
| TOTAL CREDIT HOURS | | 22 | | |

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.

| <u>First Semester</u> | | <u>Credit Hours</u> | <u>Pre- and Co-requisites</u> |
|------------------------|---|---------------------|--|
| CET121 | Building Materials and Construction Methods | 3 | |
| MTH135 | Precalculus [^] – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i> | 5 | MTH025 or Proficiency |
| | | 8 | |
| <u>Second Semester</u> | | | |
| MET124 | Statics and Strength of Materials | 4 | Pre-Co-PHY121 or Pre-Co-PHY221 |
| PHY121 | College Physics I with Algebra (lab) | 4 | MTH135 or (MTH125 and MTH130) or Proficiency |
| | | 8 | |
| <u>Third Semester</u> | | | |
| CET125 | Soil Mechanics | 3 | (MTH125 or MTH135) and MET124 |
| CET222 | Concrete and Asphalt Testing | 3 | MTH125 or MTH135) and CET121 |
| | | 6 | |
| TOTAL CREDITS | | 22 | |

[^]Based on SSC placement scores