

# Civil Engineering Technology - Construction Management Major

*Center for Innovative Technologies Division*

2017-2018 Curriculum

| Course            | Title                                            | Pre-Reqs | Lec | Lab | Credit Hours |
|-------------------|--------------------------------------------------|----------|-----|-----|--------------|
| <b>Semester 1</b> |                                                  |          |     |     |              |
| CET-100           | Introduction to Civil Engineering Technology     |          | 2   | 2   | 3            |
| CET-105           | Introduction to Surveying                        |          | 2   | 3   | 3            |
| CET-115           | Architectural Drafting and Computer Aided Design |          | 2   | 4   | 4            |
| FYE-1XX           | First Year Experience Elective                   |          | 1   | 0   | 1            |
| MAT-125           | Algebra & Trigonometry                           |          | 3   | 2   | 4            |

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|                   |                                                    |             |   |   |   |
|-------------------|----------------------------------------------------|-------------|---|---|---|
| <b>Semester 2</b> |                                                    |             |   |   |   |
| CET-110           | Advanced Surveying and Construction Layout         | CET 105     | 2 | 3 | 3 |
| CET-120           | Advanced Computer Aided Design: Revit Architecture | CET 115     | 3 | 3 | 4 |
| CET-135           | Construction Estimating                            | See Catalog | 2 | 2 | 3 |
| CET-225           | Building Construction                              | CET 135     | 2 | 2 | 3 |
| ENG-101           | English Composition 1                              |             | 3 | 0 | 3 |

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|                   |                                        |                        |   |    |   |
|-------------------|----------------------------------------|------------------------|---|----|---|
| <b>Semester 3</b> |                                        |                        |   |    |   |
| CET-291           | Full-Time Cooperative Education 1: CET | CET 100                | 1 | 40 | 2 |
| COMM-110          | Public Speaking                        | ENG 101                | 3 | 0  | 3 |
| MAT-126           | Functions & Calculus                   | MAT 125 (min. grade C) | 3 | 2  | 4 |

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|                   |                                         |         |   |   |   |
|-------------------|-----------------------------------------|---------|---|---|---|
| <b>Semester 4</b> |                                         |         |   |   |   |
| CET-125           | Statics and Strength of Materials (CET) | MAT 121 | 3 | 3 | 4 |
| CET-230           | Construction Management                 | CET 135 | 2 | 2 | 3 |
| CET-235           | Construction Scheduling                 | CET 135 | 2 | 3 | 3 |
| CET-240           | Cost Engineering                        | CET 135 | 2 | 2 | 3 |
| ENG-10X           | English Composition Elective            | ENG 101 | 3 | 0 | 3 |

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|                   |                                           |                    |   |    |   |
|-------------------|-------------------------------------------|--------------------|---|----|---|
| <b>Semester 5</b> |                                           |                    |   |    |   |
| CET-292           | Full-time Cooperative Education 2: CET    | CET 291            | 1 | 40 | 2 |
| PHY-151           | Physics 1: Algebra and Trigonometry-Based | PHY 150 or MAT 125 | 3 | 3  | 4 |

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|                   |                                              |                     |   |   |   |
|-------------------|----------------------------------------------|---------------------|---|---|---|
| <b>Semester 6</b> |                                              |                     |   |   |   |
| CET-200           | Structural Design                            | CET 125             | 3 | 3 | 4 |
| CET-245           | Building Information Models for Construction | CET 120             | 1 | 3 | 2 |
| CET-285           | Construction Management Capstone             | CET 230 and CET 235 | 2 | 3 | 3 |
| ECO-110           | Principles of Macroeconomics                 | See Catalog         | 3 | 0 | 3 |
| XXX-XXX           | Business Elective                            |                     | 2 | 2 | 3 |

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Total **77**

Business Elective: Any ACC, FIN, MGT, MKT

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

First Year Experience Elective: FYE 100, FYE 105, FYE 110