

# CIVIL ENGINEERING TECHNOLOGY - DIPLOMA

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**Offered at:** Big Sandy Community and Technical College

**Program Plan Number:** 1502014019

| Course                                     | Title                                 | Credits      |
|--------------------------------------------|---------------------------------------|--------------|
| <b>General Education</b>                   |                                       |              |
| Select one of following three options:     |                                       | 3            |
|                                            | Written Communication                 |              |
|                                            | Oral Communications                   |              |
|                                            | Humanities/Heritage                   |              |
| Select one of the following two options:   |                                       | 3            |
| MAT 116                                    | Technical Mathematics                 |              |
| Higher Level Quantitative Reasoning course |                                       |              |
| Subtotal                                   |                                       | 6            |
| <b>Technical Core</b>                      |                                       |              |
| CAD 100                                    | Introduction to Computer Aided Design | 3            |
| CAD 102                                    | Drafting Fundamentals                 | 4            |
| SMT 110                                    | Principles of Surveying               | 3            |
| CET 150                                    | Civil Engineering Graphics            | 3            |
| CET 200                                    | Civil Engineering Materials           | 3            |
| or SMT 130                                 | Land Surveying Graphics               |              |
| CET 210                                    | Infrastructure Analysis and Design    | 3            |
| CET 260                                    | Hydrology and Drainage                | 3            |
| Select one of the following three options: |                                       | 1-3          |
| CAD 298                                    | Practicum                             |              |
| CAD 299                                    | Cooperative Education                 |              |
| COE 199                                    | Cooperative Education: (Topic)        |              |
| Technical Electives                        |                                       | 19           |
| Subtotal                                   |                                       | 42-44        |
| <b>Total Credits</b>                       |                                       | <b>48-50</b> |