

# Environmental Engineering Technology - Water & Wastewater Management

## Center for Innovative Technologies Division

2018-2019 Curriculum

| Course     | Title                                         | Pre-Reqs | Lec | Lab | Credit Hours |
|------------|-----------------------------------------------|----------|-----|-----|--------------|
| Semester 1 |                                               |          |     |     |              |
| CHE-XXX    | Chemistry Elective                            |          | 3   | 3   | 4            |
| ENG-101    | English Composition 1                         |          | 3   | 0   | 3            |
| EVS-110    | Environmental Science: Conservation & Cleanup |          | 3   | 2   | 4            |
| EVT-105    | Environmental Sampling                        |          | 2   | 3   | 3            |
| FYE-1XX    | First Year Experience Elective                |          | 1   | 0   | 1            |
| MAT-XXX    | Mathematics Elective 1                        |          | 4   | 0   | 4            |
|            |                                               |          |     |     | 19           |

|            |                                             |                                 |   |   |    |
|------------|---------------------------------------------|---------------------------------|---|---|----|
| Semester 2 |                                             |                                 |   |   |    |
| EVT-140    | Environmental Regulations and Permits       | EVS 110 and ENG 101             | 1 | 2 | 2  |
| EVT-150    | Environmental Chemistry                     | CHE 110 or CHE 121              | 2 | 3 | 3  |
| EVT-16X    | Calculations for Operators Elective         |                                 | 2 | 2 | 3  |
| EVT-170    | Water and Wastewater Treatment and Analysis | EVS 110, and CHE 110 or CHE 121 | 3 | 3 | 4  |
| MAT-XXX    | Mathematics Elective 2                      |                                 | 4 | 0 | 4  |
|            |                                             |                                 |   |   | 16 |

|            |                                |  |   |    |   |
|------------|--------------------------------|--|---|----|---|
| Semester 3 |                                |  |   |    |   |
| XXX-XXX    | Cooperative Education Elective |  | 1 | 40 | 2 |
|            |                                |  |   |    | 2 |

|            |                                                |                     |   |   |    |
|------------|------------------------------------------------|---------------------|---|---|----|
| Semester 4 |                                                |                     |   |   |    |
| EVT-185    | Supervisory Management in Environmental Fields | EVS 110 and ENG 101 | 1 | 2 | 2  |
| EVT-215    | Utilities Safety and Security                  | EVT 170             | 1 | 2 | 2  |
| EVT-230    | Treatment Technologies                         | EVT 170             | 2 | 2 | 3  |
| EVT-240    | Fluid Mechanics                                | MAT 126 or MAT 152  | 3 | 3 | 4  |
| EVT-24X    | Operations of Treatment Plants Elective        | EVT 16X             | 2 | 2 | 3  |
|            |                                                |                     |   |   | 14 |

|            |                                        |                    |   |    |   |
|------------|----------------------------------------|--------------------|---|----|---|
| Semester 5 |                                        |                    |   |    |   |
| EVT-292    | Full-Time Cooperative Education 2: EVT | EVT 191 or EVT 291 | 1 | 40 | 2 |
|            |                                        |                    |   |    | 2 |

|            |                                            |                    |   |   |    |
|------------|--------------------------------------------|--------------------|---|---|----|
| Semester 6 |                                            |                    |   |   |    |
| ENG-10X    | English Composition Elective               | ENG 101            | 3 | 0 | 3  |
| EVT-155    | Site Mapping and GIS                       | MAT 125 or MAT 151 | 2 | 3 | 3  |
| EVT-250    | Water Collection and Distribution Systems  | EVT 240            | 2 | 2 | 3  |
| XXX-XXX    | Arts/Hum or Social/Behavioral Sci Elective |                    | 3 | 0 | 3  |
| XXX-XXX    | Statistics Elective                        |                    | 1 | 2 | 2  |
|            |                                            |                    |   |   | 14 |

Total **67**

Chemistry Elective: CHE 110 or CHE 121 & CHE 131

Calculations for Operators Elective: EVT 165, EVT 166

Cooperative Education Elective: CIT 190 & EVT 191, EVT 191 & EVT 192, or EVT 291

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

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

Arts/Humanities or Social/Behavioral Sciences Electives: Any ART, CRJ, CULT, ECO, FRN, GEO, HST,

LIT, MUS, PHI, POL, PSY, REL, SOC, SPN, THE

Math Electives: Take one of the following series: MAT 125 and MAT 126; MAT 151 and MAT 152; or MAT 251 and MAT 252

Operations of Treatment Plant Electives: EVT 245, EVT 246

Statistics Elective: EVT 180, MAT 131