

## Engineering Technology Civil Track

### Fall 2020 Schedule

| Freshman – 1 <sup>st</sup> Semester |   | 14 |
|-------------------------------------|---|----|
| WSUE102A                            | First Year Seminar in Tech and Innovation (S&B) | 3  |
| COM111                              | Public Speaking                                 | 3  |
| MATH242                             | Calculus I P: MATH123                           | 5  |
| ENGL101                             | College English I                               | 3  |

| Freshman – 2 <sup>nd</sup> Semester |   | 14 |
|-------------------------------------|---|----|
|                                     | General Education - FA                    | 3  |
| GEOL300                             | GEOL300 Energy, Resources and Environment | 3  |
| MATH243                             | Calculus II P: MATH242                    | 5  |
| ENG102                              | College English II P:ENGL101              | 3  |

| Junior – 1 <sup>st</sup> Semester |  | 15 |
|-----------------------------------|--|----|
| IME222/L                          | Engineering Graphics (with lab) P: MATH123                     | 3  |
| ENGT301                           | Intermediate Design Project P: ENGT201                         | 2  |
| ENGT370                           | Environmental Engineering Tech ( <i>fall only</i> ) P: CHEM211 | 3  |
| ME250                             | Materials Engineering P: CHEM211 & MATH242                     | 3  |
| ME251                             | Materials Engineering Lab P/C: ME250                           | 1  |
|                                   | Technical Elective   | 3  |
| Junior – 2 <sup>nd</sup> Semester |  | 18 |
| CS211                             | Introduction to Programing P: MATH111                          | 4  |
| ENGT312                           | Applied Statics ( <i>fall only</i> ) P/C: MATH243              | 3  |
| ENGT354                           | Statistical Process Control P/C: MATH243                       | 3  |
| ENGT320                           | Circuits Technology ( <i>spr only</i> ) P: MATH 242            | 4  |
| IME258                            | Manufacturing Methods P: MATH123 & INE258                      | 3  |
| IME258L                           | Manuf Methods/Materials Lab C: IME258                          | 1  |

| Sophomore – 1 <sup>st</sup> Semester |  | 15 |
|--------------------------------------|--|----|
| ENGT201                              | Introductory Design Project P: WSUE102A, COM111        | 1  |
| ECON201                              | Principles of Macro Econ ( <i>S&amp;BS</i> ) or IME255 | 3  |
| PHYS313                              | Physics for Scientists I P/C:MATH243 with MATH242      | 4  |
| PHYS315                              | University Physics Lab I P: MATH242 P/C: PHYS313       | 1  |
|                                      | Technical Elective - Recommended Survey I              | 3  |
|                                      | Technical Elective                                     | 3  |
| Sophomore – 2 <sup>nd</sup> Semester |  | 14 |
| CHEM211                              | General Chemistry I                                    | 5  |
| BIOL370                              | Introduction to Environmental Science                  | 3  |
|                                      | Technical Elective - Recommended Survey II             | 3  |
|                                      | Technical Elective                                     | 3  |

| Senior – 1 <sup>st</sup> Semester |  | 15 |
|-----------------------------------|--|----|
| ENGT401                           | Senior Design Project I P: ENGT301 & Senior Standin            | 3  |
| ENGT323                           | Introduction to Fluids ( <i>fall only</i> ) P: ENGT301         | 3  |
| ENGT334                           | Intro to Strength/Mech of Mats ( <i>fall only</i> ) P: ENGT301 | 3  |
| ENGT492                           | Energy Mgmt & Sustainability ( <i>fall only</i> ) P: ENGT301   | 3  |
| ENGT600                           | Water and Wastewater Treatment ( <i>fall only</i> )            | 3  |

| Senior – 2 <sup>nd</sup> Semester |   | 15 |
|-----------------------------------|---|----|
| ENGT402                           | Senior Design Project II P: ENGT401                         | 3  |
| ENGT510                           | Solar and Wind Engineering P: ENGT 320 or ENGT323           | 3  |
| PHIL385                           | Engineering Ethics P: Junior/senior standing                | 3  |
| ENGT610                           | Hydraulics and Hydrology ( <i>spr only</i> ) P: ENGT301     | 3  |
| ENGT620                           | Structural Analysis & Design ( <i>spr only</i> ) P: ENGT301 | 3  |