

### Required Courses

| Course   | Prerequisites  | Corequisites             |
|----------|--|--------------------------|
| CE 111   | None (CE Student)  |                          |
| CE 112   | None (CE Student)  |                          |
| CE 204   | Math 105 or 107  |                          |
| CE 212   | None (CE Student)  |                          |
| CE 303   | ME 223, 221, Math 165  |                          |
| CE 303 L | ME 223, 221, Math 165  | **CE 303                 |
| CE 309   | ME 222, 221, Math 166, 165   |                          |
| CE 310   | CE 309, ME 222, 221, Math 166, 165                                   |                          |
| CE 316   | ME 223, 222, 221, Math 259 (265) 166, 165, *Math 266, *Math 128(129) | *Math 266,*Math 128(129) |
| CE 343   | ME 223, 221 Math 165   |                          |
| CE 370   | CE 309, ME 222, 221, Math 166, 165, Chem 122, 121                    |                          |
| CE 371   | CE 309, ME 222, 221, Math 166, 165, Chem 122, 121                    | **CE370                  |
| CE 404   | CE 343, ME 223, 221, Math 165  |                          |
| CE 408   | CE 309, ME 222, 221, Math 166, 165                                   |                          |
| CE 418   | CE 204, ME 221, Math 259 (265), 166, 165,                            |                          |
| CE 444   | CE 343, ME 223, 221, Math 165  |                          |
| CE 483   | Junior or Senior Standing  |                          |
| CE 489   | Senior Standing in CE curriculum                                     |                          |

### Technical Electives

|        |  |          |
|--------|--|----------|
| CE 410 | CE 370, CE 309, ME 222, 221, Math 166, 165, Chem 122,121                       |          |
| CE 411 | CE 404,CE 343, ME 223, 221, Math 165   |          |
| CE 417 | CE 316, ME 223, 222, 221 Math 266, 259 (265), 166,165                          |          |
| CE 419 | CE 303, ME 223, 221 Math 165,  | **CE 303 |
| CE 421 | CE 309, ME 222, 221, Math 166, 165   |          |
| CE 425 | CE 404,CE 343, ME 223, 221, Math 165   |          |
| CE 430 | ME 223, 221, Math 165  |          |
| CE 441 | CE 343, ME 223, 221, Math 165  |          |
| CE 446 | CE 343, ME 223, 221, Math 165  |          |
| CE 445 | CE 444,CE 343, ME 223, 221, Math 165   |          |
| CE 447 | CE 343, ME 223, 221, Math 165  |          |
| CE 452 | CE 418, CE 204, ME 221, Math 259 (265), 166, 165,                              |          |
| CE 454 | CE 418, CE 204, ME 221, Math 259 (265), 166, 165,                              |          |
| CE 455 | CE 418, CE 204, ME 221, Math 259 (265), 166, 165,                              |          |
| CE 456 | CE 418, CE 204, ME 221, Math 259 (265), 166, 165,                              |          |
| CE 457 | CE 303, ME 223, 221 Math 165,  |          |
| CE 458 | CE 303, ME 223, 221 Math 165,  |          |
| CE 461 | CE 316, ME 223, 222, 221 Math 266, 259 (265), 166, 165, 128(129)               |          |
| CE 462 | CE 316, ME 223, 222, 221 Math 266, 259 (265), 166, 165, 128(129)               |          |
| CE 463 | CE 316, ME 223, 222, 221 Math 266, 259 (265), 166, 165, 128(129)               |          |
| CE 464 | CE 316, ME 223, 222, 221 Math 266, 259 (265), 166, 165, 128(129)               |          |
| CE 471 | CE 370, CE 309, ME 222, 221, Math 166, 165, Chem 122,121                       |          |
| CE 472 | CE 370, CE 309, ME 222, 221, Math 166, 165, Chem 122,121                       |          |
| CE 476 | CE 408, CE 309, ME 222, 221, Math 166, 165                                     |          |
| CE 477 | CE 408, CE 309, ME 222, 221, Math 166, 165                                     |          |
| CE 478 | CE 370, CE 309, ME 222, 221, Math 166, 165, Chem 122, 121                      |          |
| CE 479 | CE 410, 370, CE 309, ME 222, 221, Math 166, 165, Chem 122, 121                 |          |
| CE 486 | Senior Standing in CE curriculum   |          |
| CE 491 | Seminar - Groundwater Sust Desgn CE 309, ME 222, 221, Math 166, 165            |          |
| CE 491 | Seminar - Small Community Water Supply & Sanitation (Instructor Approval)      |          |
| CE 493 | Undergraduate Reseach Study - Instructor/Advisor Approval Required             |          |
| CE 494 | Seminar - Solid Waste Management CE 370, CE 309, ME 222, ME 221, Math 166, 165 |          |
| CE 499 | Special Topics CE 370 & CE 408 (Environmental Engineering Design)              |          |
| CE 770 | CE 370, CE 309, ME 222, 221, Math 166, 165, Chem 122, 121                      |          |
| CE 776 | CE 408, CE 309, ME 222, 221, Math 166,165                                      |          |
| CE 779 | CE 408, CE 370,CE 309, ME 222, ME 221, Math 166, Math 165, Chem 122, Chem 121  |          |
| CE 780 | CE 418, CE 204, ME 221, Math 259 (265) 166,165                                 |          |
| CE 781 | CE 418, CE 204, ME 221, Math 259 (265),166,165                                 |          |

\*\*Can take as a prereq but if not has to take as a coreq

\*\*\* For more details of the CE Prerequisite Policies go to [https://www.ndsu.edu/cee/current\\_students/curriculum\\_advising/](https://www.ndsu.edu/cee/current_students/curriculum_advising/)

Updated 03/05/21