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| **Prerequisite list for selected courses in the C E Environmental Option 2015-16** | |
| ***Course*** | ***Prerequisites*** |
| BIOL 173 (or) | None |
| BIOL 211 | High school biology |
| C E 105 | None |
| C E 111 | [*C E 160*](http://catalog.iastate.edu/search/?P=C%20E%20160), credit or enrollment in ENGR 170 or [*C E 170*](http://catalog.iastate.edu/search/?P=C%20E%20170), [*MATH 165*](http://catalog.iastate.edu/search/?P=MATH%20165), credit or enrollment in [*C E 105*](http://catalog.iastate.edu/search/?P=C%20E%20105) for C E majors |
| C E 160 | Satisfactory scores on mathematics placement assessments; credit or enrollment in [*MATH 165*](http://catalog.iastate.edu/search/?P=MATH%20165) |
| C E 170 | [*MATH 165*](http://catalog.iastate.edu/search/?P=MATH%20165), credit or enrollment in [*C E 105*](http://catalog.iastate.edu/search/?P=C%20E%20105) |
| C E 206 | [*MATH 166*](http://catalog.iastate.edu/search/?P=MATH%20166), [*ENGL 250*](http://catalog.iastate.edu/search/?P=ENGL%20250); [*C E 105*](http://catalog.iastate.edu/search/?P=C%20E%20105); [*ECON 101*](http://catalog.iastate.edu/search/?P=ECON%20101) recommended |
| C E 306 | [*C E 206*](http://catalog.iastate.edu/search/?P=C%20E%20206), Credit or enrollment in a **technical communication** elective from approved department list |
| C E 326 | [*CHEM 177*](http://catalog.iastate.edu/search/?P=CHEM%20177) or [*CHEM 178*](http://catalog.iastate.edu/search/?P=CHEM%20178), [*MATH 166*](http://catalog.iastate.edu/search/?P=MATH%20166), credit or enrollment in [*E M 378*](http://catalog.iastate.edu/search/?P=E%20M%20378) |
| C E 332 | [*E M 324*](http://catalog.iastate.edu/search/?P=E%20M%20324) |
| C E 334 | [*C E 332*](http://catalog.iastate.edu/search/?P=C%20E%20332), [*E M 327*](http://catalog.iastate.edu/search/?P=E%20M%20327) |
| C E 355 | [*C E 111*](http://catalog.iastate.edu/search/?P=C%20E%20111), [*C E 206*](http://catalog.iastate.edu/search/?P=C%20E%20206), [*PHYS 221*](http://catalog.iastate.edu/search/?P=PHYS%20221), a course in **statistics** from the approved departmental list |
| C E 360 | [*E M 324*](http://catalog.iastate.edu/search/?P=E%20M%20324), credit or enrollment in [*GEOL 201*](http://catalog.iastate.edu/search/?P=GEOL%20201) |
| C E 372 | [*E M 378*](http://catalog.iastate.edu/search/?P=E%20M%20378), a course in **statistics** from the approved department list |
| C E 382 | Credit or enrollment in [*C E 360*](http://catalog.iastate.edu/search/?P=C%20E%20360) |
| C E 403 | Verification of undergraduate application for graduation by the end of the first week of class. |
| C E 420 | [*C E 326*](http://catalog.iastate.edu/search/?P=C%20E%20326)*,* [*CHEM 177*](http://catalog.iastate.edu/search/?P=CHEM%20177) *and* [*CHEM 178*](http://catalog.iastate.edu/search/?P=CHEM%20178)*,* [*MATH 166*](http://catalog.iastate.edu/search/?P=MATH%20166) |
| C E 421 | [*C E 326*](http://catalog.iastate.edu/search/?P=C%20E%20326) |
| C E 428 | [*C E 326*](http://catalog.iastate.edu/search/?P=C%20E%20326) |
| C E 460 | [*C E 360*](http://catalog.iastate.edu/search/?P=C%20E%20360) |
| C E 485 | [*C E 306*](http://catalog.iastate.edu/search/?P=C%20E%20306), [*C E 326*](http://catalog.iastate.edu/search/?P=C%20E%20326), [*C E 333*](http://catalog.iastate.edu/search/?P=C%20E%20333) or [*C E 334*](http://catalog.iastate.edu/search/?P=C%20E%20334), [*C E 355*](http://catalog.iastate.edu/search/?P=C%20E%20355), [*C E 360*](http://catalog.iastate.edu/search/?P=C%20E%20360), [*C E 372*](http://catalog.iastate.edu/search/?P=C%20E%20372), [*C E 382*](http://catalog.iastate.edu/search/?P=C%20E%20382), [*SP CM 212*](http://catalog.iastate.edu/search/?P=SP%20CM%20212). Course enrollment limited to final graduating semester. |
| CHEM 177 | [*MATH 140*](http://catalog.iastate.edu/search/?P=MATH%20140) or high school equivalent, and CHEM 50 or 1 year high school chemistry, and credit or enrollment in [*CHEM 177L*](http://catalog.iastate.edu/search/?P=CHEM%20177L) |
| CHEM 177L | Credit or enrollment for credit in [*CHEM 177*](http://catalog.iastate.edu/search/?P=CHEM%20177) |
| CHEM 178 | [*CHEM 177*](http://catalog.iastate.edu/search/?P=CHEM%20177), [*CHEM 177L*](http://catalog.iastate.edu/search/?P=CHEM%20177L) |
| CHEM 178L | [*CHEM 177L*](http://catalog.iastate.edu/search/?P=CHEM%20177L) and credit or enrollment for credit in [*CHEM 178*](http://catalog.iastate.edu/search/?P=CHEM%20178) |
| CHEM 231 | [*CHEM 163*](http://catalog.iastate.edu/search/?P=CHEM%20163)*,* [*CHEM 163L*](http://catalog.iastate.edu/search/?P=CHEM%20163L)*, or* [*CHEM 177*](http://catalog.iastate.edu/search/?P=CHEM%20177)*,* [*CHEM 177L*](http://catalog.iastate.edu/search/?P=CHEM%20177L)*;* credit or enrollment in [*CHEM 231L*](http://catalog.iastate.edu/search/?P=CHEM%20231L) |
| CHEM 231L | Credit or enrollment for credit in [*CHEM 231*](http://catalog.iastate.edu/search/?P=CHEM%20231)*;* [*CHEM 163L*](http://catalog.iastate.edu/search/?P=CHEM%20163L) *or* [*CHEM 177L*](http://catalog.iastate.edu/search/?P=CHEM%20177L) |
| E M 274 | Credit or enrollment in [*MATH 166*](http://catalog.iastate.edu/search/?P=MATH%20166); credit or enrollment in [*PHYS 111*](http://catalog.iastate.edu/search/?P=PHYS%20111) or [*PHYS 221*](http://catalog.iastate.edu/search/?P=PHYS%20221) |
| E M 324 | [*E M 274*](http://catalog.iastate.edu/search/?P=E%20M%20274) |
| E M 327 | [*E M 324*](http://catalog.iastate.edu/search/?P=E%20M%20324) |
| E M 378 | [*E M 274*](http://catalog.iastate.edu/search/?P=E%20M%20274) |
| ENGL 150 | Concurrent enrollment in [*LIB 160*](http://catalog.iastate.edu/search/?P=LIB%20160) is recommended. |
| ENGL 250 | [*ENGL 150*](http://catalog.iastate.edu/search/?P=ENGL%20150) or exemption from [*ENGL 150*](http://catalog.iastate.edu/search/?P=ENGL%20150); sophomore classification or exemption from [*ENGL 150*](http://catalog.iastate.edu/search/?P=ENGL%20150); credit for or concurrent enrollment in [*LIB 160*](http://catalog.iastate.edu/search/?P=LIB%20160) |
| GEOL 201 | None |
| LIB 160 | For students whose native language is not English: Completion of [*ENGL 101*](http://catalog.iastate.edu/search/?P=ENGL%20101) requirement. |
| MATH 165 | Satisfactory performance on placement exam or [*MATH 143*](http://catalog.iastate.edu/search/?P=MATH%20143) |
| MATH 166 | Minimum of C- in [*MATH 165*](http://catalog.iastate.edu/search/?P=MATH%20165) or high math placement scores |
| MATH 265 | Minimum of C- in [*MATH 166*](http://catalog.iastate.edu/search/?P=MATH%20166) or [*MATH 166H*](http://catalog.iastate.edu/search/?P=MATH%20166H) |
| MATH 266 | Minimum of C- in [*MATH 166*](http://catalog.iastate.edu/search/?P=MATH%20166) or [*MATH 166H*](http://catalog.iastate.edu/search/?P=MATH%20166H) |
| MICRO 201 | One semester of college-level biology |
| PHYS 221 | [*MATH 165*](http://catalog.iastate.edu/search/?P=MATH%20165), and credit or enrollment in [*MATH 166*](http://catalog.iastate.edu/search/?P=MATH%20166). |
| SP CM 212 | None |
| **Prerequisites vary for the following electives. Please consult the various lists corresponding to the desired elective.**   * Design Elective * International Perspectives and US Diversity Electives * Social Science and Humanities Electives * Statistics Elective * Technical Communication Elective | |

Revised 4/16/15 JLP