Environmental Science Curriculum – Flowchart based on 2016-2017 degree check sheet

Pre-requisite must be taken first

Co-requisite must be taken as a pre-requisite or in the same semester

NOTE: All CEES courses offered once a year except CEES 1000

NOTE: This flowchart is NOT an official notice of degree requirements and/or prerequisites. Please use as a supplemental advising guide to be used with the OFFICIAL OU check sheet.

1. Transfer students are required to take ENGR 3410 instead of ENGR 1410 2. CEES 1000 – must take 4 of 6 offered 3. CEES 2213 prerequisite = Sophomore level standing in CEES 4. MBIO 2815 prerequisite = One year of college chemistry 5. CEES 4263G prerequisite = Junior standing in CEES or instructor permission 6. CEES 4114 prerequisite = Senior standing and one year of General Chemistry 7. BIOL 3403 prerequisite = BIOL 1114 and 1121 or 1123 or 1134 or PBIO 1114 8. GEOG 4293 prerequisite = MATH 1823 and either 1914, PHYS 2414, 2514 or CHEM 1315 9. MATH 3153 must be taken with either MBIO 2815, BIOL 3403 or PBIO 3453 10. Professional Electives are CEES courses & typically require relevant core courses as pre-reqs 11. CEES 4813 prerequisite = Senior standing in ES or EnvE 12. 7 Track choices (9 hrs. total from same track-approved by advisor) 13. CEES 4913 prerequisite = CEES 4114, 4324, 4813 and 4253 or concurrent enrollment

□ At least one of these Gen/Ed courses must be 3000-4000 level
□ Foreign Language: 2 semesters college level or 2 years of high school
Environmental Science

Track Electives:
Students must choose 9 hours from one of the 7 track options below:

1. Biological/Ecological Sciences
2. Chemical Sciences
3. Earth and Atmospheric Sciences
4. Geography/Geographic Information Systems
5. Environmental Planning and Management
6. Mathematics and Computer Science
7. Premedical

Track 1: Biological/Ecological Sciences
Must be courses offered in the following departments: Biology (BIOL) or Microbiology and Plant Biology (MBIO and PBIO). One biological sciences related course may be chosen from another department, if approved by the student’s faculty advisor. *At least six credit hours must be upper division (3000-level or higher).*

Track 2: Chemical Sciences
Must be courses offered in the following departments: Chemistry & Biochemistry (CHEM). One chemistry related course may be chosen from another department, if approved by the student’s faculty advisor. *At least six credit hours must be upper division (3000-level or higher).*

Track 3: Earth and Atmospheric Sciences
Must be courses chosen from the following departments: Geology and Geophysics (GEOL) or Meteorology (METR). One earth or atmospheric science related course may be chosen from another department, if approved by the student’s faculty advisor. *At least 3 credit hours must be upper division (3000-level or higher).*

Track 4: Geography/Geographic Information Systems
Must be courses chosen from the following departments: Geography and Environmental Sustainability (GEOG or GIS). One related course may be chosen from another department, if approved by the student’s faculty advisor. *At least 6 hours must be upper division (3000-level or higher).*

Track 5: Environmental Planning and Management
Must be courses from the following list: ECON1123, ECON3213, PSC3233, IPE3213, GEOG3233, PHIL3293, RCPL4003, COMM1113, COMM3483, COMM3513, COMM4513, and ENGR4513 (semester offerings vary). Other courses may be chosen from these or related departments, if approved by the student’s faculty advisor. *At least 6 hours must be upper division (3000-level or higher).*

Track 6: Mathematics and Computer Science
Must be courses from the following list: MATH2934, MATH3113, MATH3333, MATH3413, MATH3401, CS1313, ENGR3411, and ENGR3723 (semester offerings vary). Other courses may be chosen from these or related departments, if approved by the student’s faculty advisor. *At least one course must be upper division (3000-level or higher).*

Track 7: Premedical
Must include at least 3 chemical, physical, or life science courses that are required or recommended for medical school admission, and that are not already required for the ES major. Written documentation that these 3 courses are part of a plan for medical school application must be obtained from the Premedical Professions Advising Office. *Please consult with OU Premed Advising Office for medical school admission requirements:* Cate 1, room 415-416 or by appointment only: [http://iadvise.ou.edu](http://iadvise.ou.edu)

Updated 9/1/2016