# Environmental Earth Science Advising Chart

The EES major has four concentrations, of which students must select one. All concentrations have the same core of five classes (28cr). Each concentration has its own required courses (17-28 cr) and its own required electives (9-24cr).

### EES Core
- EES 104 Dynamic Earth (or EES 106 National Parks\(^1\) or EES 110 Introduction to Geology\(^1\) or EES 220 Environmental Geology\(^2\))
  - Must also take EES 112 Geology Laboratory, \(^2\)May take EES 221 Environmental Science Laboratory
- EES 130 Ancient Environments, \(F, WE\)
- EES 224 Landforms \(S, T2NS, WE\)
- CHE 210/212 Chemistry I and Lab & CHE 211/213 Chemistry II and Lab
- EES 322 Hydrology \(F, S\)
- EES 340 Geographic Information Systems \(F, T2IT\)

### Concentration Requirements
- **Environmental Earth Science**
  - EES 330 Min & Rock Analysis \(S\)
  - EES 344 Sed & Strat \(S\)
  - EES 350 Field Methods \(F, T3\)
  - EES 356 Structural Geology \(F\)
  - PHY 204/205 or PHY 208/209 Physics I & II with lab
  - MAT 243 Calculus I or MAT 216 Statistics
- **General Earth Science**
  - EES 330 Min & Rock Analysis \(S\)
  - EES 344 Sed & Strat \(S\)
  - EES 350 Field Methods \(F, T3\)
  - EES 356 Structural Geology \(F\)
  - PHY 204/205 or PHY 208/209 Physics I & II with lab
  - MAT 243 Calculus I or MAT 216 Statistics
- **Sustainable Earth Science**
  - EES 205 Sustainable Energy
  - EES 402 Energy Issues \(T3, WI\)
  - EES 424 Glacial & Quat Geol
  - EES 460 Coastal Geol Hazards
  - Take one of (3-4cr):
    - EES 320 Env Mngmt \(T3, WI\)
  - Take two of (6-7cr):
    - EES 306 Green Buildings \(S\)
    - EES 330 Min / Rock Analys \(S\)
    - EES 342 Advanced GIS \(WI\)
    - EES 344 Sed & Strat \(S\)
    - EES 350 Field Methods \(F, T3\)
    - EES 356 Structural Geol \(F\)
  - Take three of (9-12cr):
    - EES 305 Energy Resources \(F\)
    - EHS 210 Env Health Science
    - BIO 200/201 Ecology & Env
    - EHS 324 Env Toxicology
  - Take two of (6 cr):
    - EES 305 Energy Resources \(F\)
    - EES 330 Min / Rock Analysis \(S\)
    - EES 350 Field Methods \(F, T3\)
    - EES 344 Sed & Strat \(S\)
    - PHY 204/205 or PHY 208/209 Physics I & II with lab
  - MAT 243 Calculus I or MAT 216 Statistics

### Concentration Electives
- **Environmental Earth Science**
  - Take three of (9-12cr):
    - EES 306 Green Buildings \(S\)
    - EES 344 Sed & Strat \(S\)
    - EES 350 Field Methods \(F, T3\)
    - EES 356 Structural Geology \(F\)
    - PHY 204/205 or PHY 208/209 Physics I & II with lab
    - MAT 243 Calculus I or MAT 216 Statistics

### Environmental Science
- EES 204 Glob. Climate Chng or EES 205 Sustainable Energy
- EHS 210 Env Health Science
- EES 305 Energy Resources \(F\)
- EES 330 Min / Rock Analysis \(S\)
- EES 342 Advanced GIS \(WI\)
- EES 356 Structural Geol \(F\)
- EES 424 Glacial & Quat Geol
- EES 456 Coastal Geol Hazards
- Take one of (3-4cr):
  - EES 320 Env Mngmt \(T3, WI\)
  - EES 350 Field Methods \(F, T3\)
  - EES 450 Hydro Mthd \(T3, WI, LW\)

All students are required to take at least one LAC Tier 3 (\(T3\)) and one Writing Intensive (\(WI\)) course in their concentration.

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\(^1\)These courses have prerequisites in addition to those shown in this chart.

\(^2\)F - Offered in Fall

\(^3\)S - Offered in Spring

\(^{WE}\)WE - Writing Enhanced

\(^{WI}\)WI - Writing Intensive

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