

CHECKSHEET - BS ENVIRONMENTAL SCIENCE - CHEMISTRY

(All degrees require completion of 40 upper division hours. This checksheet is to aid students in class planning but is not meant to replace any eight semester plan or the undergraduate bulletin. For any questions, check the graduation requirements detailed in the [undergraduate bulletin](#).)

Environmental Science Common Core

- BIOL 1440: Principles of Biology I
- BIOL 1441: Principles of Biology II
- CHEM 1450: College Chemistry I
- CHEM 1451: College Chemistry II
- GEOG 1440: Earth Systems Science
- GEOG 3301: Conservation of Natural Resources
- ENVR 3410: Environmental Theory and Application
- PSCI 3320: Environmental Policy and Regulation
- ENVR 4410: Environmental Practicum

Chemistry Track Specific Required Courses

- CHEM 2401: Organic I
- CHEM 3411: Organic II
- CHEM 3211: Organic Spectroscopy
- CHEM 3520: Quantitative Analysis
- CHEM 4351: Environmental Chemistry
- CHEM 4152: Environmental Chemistry Laboratory
- CHEM 4451: Advanced Analytical
- PHYS 1410: College Physics I **or** PHYS 1441: University Physics I
- PHYS 1420: College Physics II **or** PHYS 1442: University Physics II
- MATH 1496: Calculus I
- MATH 1497: Calculus II

Chemistry Track Electives (10 hours from the following)

- CHEM 3360: Intermediate Inorganic
- CHEM 4320: Biochemistry I

- CHEM 4335: Biochemistry II
- CHEM 4450: Physical Chemistry I
- CHEM 4460: Physical Chemistry II
- CHEM 4380: Advanced Inorganic
- CHEM 3150: Advanced Inorganic Laboratory
- BIOL 3403: General Ecology (recommended)
- ENVR 4465: Environmental Toxicology
- GEOG 4304: Water Resources *
- GEOG 4305: Soils *
- ECON 3330: Environmental Economics *
- A maximum of **2 credit hours of research** in physics, chemistry, mathematics, biology, or computer science.
- Eight (8) credit hours applied to a minor** in mathematics, biology, physics, or geography.

***These courses are not offered on a regular basis—check the actual schedules found in my.uca.edu for availability.**