# New Environmental Science Checklist - Chemistry Track (120 hours)

**Gen Ed. Core (36 hours) not counting science (8 hours) and mathematics (3 hours), which are covered below**

**Environmental Science Core Reqs. (33 hrs):**
- **BIOL 1440 Principles of Biology I (4)**
- **BIOL 1441 Principles of Biology II (4)**
- **CHEM 1450 College Chemistry I (4)**
- **CHEM 1451 College Chemistry II (4)**
- **GEOG 1315 Physical Geography (3)** or Earth Science SCI 3410
- **GEOG 3301 Conservation of Natural Resources (3)**
- **ENVR 3410 Environmental Theory and Application (4)**
- **ENVR 4410 Environmental Practicum (4)**
- **PSCI 3320 Environ. Policy and Regulation (3)**

**Chemistry Track Requirements (41 hrs):**
- **CHEM 2401 Organic Chemistry I (4)**
- **CHEM 3411 Organic Chemistry II (4)**
- **CHEM 3520 Quantitative Analysis (5)**
- **CHEM 4351 Environmental Chemistry (3)**
- **CHEM 4152 Environmental Chemistry Laboratory (1)**
- **CHEM 3211 Organic Spectroscopy (2)**
- **CHEM 4451 Advanced Analytical (4)**
- **College Physics I/U. Physics I (4)**
- **College Physics II/U. Physics II (4)**
- **MATH 1591 Calculus I (5)**
- **MATH 1592 Calculus II (5)**

**Elective Tracks (choose 10 hours from following):**
- **CHEM 3360 Intermediate Inorganic chem. (3)**
- **CHEM 4320 Biochemistry I (3)**
- **CHEM 4335 Biochemistry II (3)**
- **CHEM 4121 Biochemistry Lab (1)**
- **CHEM 4450 Physical Chemistry I (4)**
- **CHEM 4460 Physical Chemistry II (4)**
- **CHEM 3211 Organic Spectroscopy (2)**
- **CHEM 4380 Advanced Inorganic (3)**
- **CHEM 3150 Advanced Inorganic lab (1)**
- **BIOL 3403 General Ecology (4)** (Recommended)
- **ENVR 4465 Toxicology (4)**
- **GEOG 3303 Geography Information Sys. (3)**
- **GEOG 4305 Soils (3)**
- **GEOG 4305 Water (3)**
- **ECON 3330 Environmental Economics (3)**
- **a max. of 2 credits hours of research in physics, chemistry, mathematics, biology, or computer science**
- **8 credit hours applied to a minor in mathematics, biology, physics, or geography**

Revised 15 Sept 11