



**B.S. Environmental Science – Natural Science Concentration
2016-2017 Catalog**

This plan is an unofficial document used for advisement only.

How to use this program plan: Write the grade for the course that satisfies each requirement. If the student takes a course that is chosen from a list of possible courses, circle the course number taken in addition to writing the grade.

General Education: (60 hours)

School Grade

**Area A – Essential Skills: (9 hours)
("C" or better)**

- _____ ENGL 1101 English Composition I
- _____ ENGL 1102 English Composition II
- _____ MATH 1113 Pre-calculus OR MATH 2200 Calculus I

Area B – Institutional Option (4 hours)

- _____ ITEC 1001 Introduction to Computing

Area C – Humanities/Fine Arts (6 hours)

- Select one from the following:
 _____ MUSC 1100/ARTS 1100/ENGL 2111, 2112, 2121, 2122, 2131, 2132/FILM 1005
 _____ Select one from the following:
 _____ RELN 1100/GEOG 1101/2000 level foreign language

Area D – Science, Math, Technology (11 hrs)

- _____ CHEM 1211K and 1212K

- Select one from the following:
 _____ ITEC 2110/ ITEC 2120

Area E – Social Science (12 hours)

- _____ POLS 1101 American Government
 - _____ HIST 2111 **or** HIST 2112 U.S. History I & II
- Select one course:
 _____ HIST 2111 (if not used above)
 _____ HIST 2112 (if not used above)
 _____ HIST 1111 World History I
 _____ HIST 1112 World History II
 _____ HIST 1121 Western Civ I
 _____ HIST 1122 Western Civ II
- Select one of the following:
 _____ PSYC 1102/SOC1101/ANTH1102/ECON2100

Area F – Courses Related to the Program of Study (18 hours) ("C" or better)

- _____ ESNS 1101K Intro to Environmental Science
- _____ ESSS 1102 Intro to Environmental Science
- _____ POLS 2101 Introduction to Political Science
- _____ BIOL 1107K Principles of Biology I
- _____ BIOL 1108K Principles of Biology II

Additional Requirements

Physical Education (3 hours)

- _____ Choices for Life (1 hour)
- _____ Additional Physical Education (2 hours)

Regents Requirements – The requirements for US and Georgia History and Constitution can be satisfied by transfer credit of HIST 2111 OR 2112 and POLS 1101 from a University System of Georgia institution. If not satisfied, the student should work with their adviser concerning exemption exams or can complete the courses.

- _____ US Constitution _____ Georgia Constitution
- _____ US History _____ Georgia History

Student Name _____

Id No _____

S. Phone (w) _____ (h) _____

S. alt. email _____

Adviser _____

**Program of Study: (60 hours) Grade of "C" or Better
(39 hours must be at the 3000-4000 level)**

School Grade

Required Courses (35-42 hours)

- _____ CHEM 2211K Organic Chemistry I
 - _____ MATH 2200 Calculus (if not taken In Area A)
 - _____ GEOG 1101 Intro to Human Geography (if not taken in Area C)
 - _____ MATH 2000 Statistics
 - _____ POLS 3550 Public Policy Process
 - _____ GEOG 3320 GIS
 - _____ BIOL 4750 Environmental Toxicology
 - _____ ESSS 3010 Environmental Ethics
 - _____ ESSS 3020 Environmental Law
 - _____ ESNS/ESSS 4900 Capstone Interdisciplinary Research or STEC 4500 Undergraduate Research Project
 - _____ BIOL 3500K Ecology
- Select one from the following:
 _____ BIOL 3310K Botany
 _____ BIOL 3600K Zoology
 (2 cr from Areas A and D)

Elective (12-16 hours)

Complete one of the following foci:

Chemistry Focus

- _____ CHEM 2212K Organic Chemistry II
 - _____ CHEM 3000K Analytical Chemistry
 - _____ CHEM 3200 Environmental Chemistry
- Select at least 4 credits from the following:
 _____ CHEM 4100K Instrumental Chemistry
 _____ CHEM 3500 Industrial Chemistry
 _____ BCHM 3100K Biochemistry
 _____ CHEM 4701K Integrated Lab I
 _____ CHEM 3100K Inorganic Chemistry

Microbiology Focus

- _____ BIOL 3400K Cell Biology
 - _____ BIOL 3300K Microbiology
- Select one from the following:
 _____ BIOL 3350K Mycology
 _____ BCHM 3100K Biochemistry
 _____ BIOL 4000K Parasitology
 _____ BIOL 4410K Industrial Microbiology

Ecology Focus

- Select at least 12 credits from the following:
 _____ BIOL 3050 Tropical Biology
 _____ BIOL 3450 Conservation Biology
 _____ BIOL 3550K Limnology
 _____ BIOL 3650K Terrestrial Ecology
 _____ BIOL 3150 Temperate Biology
 _____ BIOL 3750K Field Biology Techniques
 _____ BIOL 4000K Parasitology
 _____ BIOL 3510K Ichthyology

Additional Electives (2-12 hours)

1-2 hours must be at 3000-4000 level
