

2014-2015 B.S. Biology – Environmental Biology Concentration

NAME _____ ID# _____

UNIVERSITY CORE

COLLEGE CORE

A. Core Foundations

CORE 101 _____ 3
 CORE 102 _____ 3
 HNRS 103* _____ 3
 CORE 201 _____ 3
 CORE 202 _____ 3

NOTE: Courses listed in multiple areas can only be used to fulfill a single area requirement.

Students can use only one course with their major prefix to fulfill core requirements.

* Honors course – will meet CORE 101 & 102 for those students in the RU honors program

B. Core Skills & Knowledge

Courses must be from different disciplines:

MATHEMATICAL SCIENCES (3SH)
 MATH 119,138, or 151 _____ 3

NATURAL SCIENCES (4 SH)
 CHEM 101 _____ 4

HUMANITIES (3 SH)
 _____ 3

One of the following: CLSS 110 CCST 110 ENGL 200, HIST 101, 102 PHIL 111, 112, 114 POSC 110; RELN 111, 112, 203, 206

VISUAL & PERFORMING ARTS (3 SH)
 _____ 3

One of the following: ART 111, 215, 216 CVPA 266 DNCE 111 MUSC 100, 121, 123 THEA 100, 180

SOCIAL/BEHAV. SCIENCES (3 SH)
 _____ 3

One of the following: ANSC 101, APST 200 ECON 105, 106 GEOG 101, 102, 103 HIST 111, 112 POSC 120 PSYC 121 RELN 205 SOCY 110 121

A. National & International Perspectives

Courses must be from different disciplines:

U. S. PERSPECTIVES (3 SH)
 ECON 106 recommended _____ 3

One of the following: APST 200 ECON 101, 105, 106, ENGL 203 GEOG 201, 202, 203 HIST 111, 112 POSC 120, SOCY 110

GLOBAL PERSPECTIVES (3SH)
 GEOG 140 recommended _____ 3

One of the following: CVPA 266, ENGL 201, 202 FORL 103 GEOG 101, 102, 140, 280 HIST 101, 102 INST 101 ITEC 112 PEAC 200 RELN 112, 205, SOCY 121, THEA 180 WMST 101

B. Supporting Skills & Knowledge

NATURAL SCIENCES OR MATH (3-4 SH)

STAT 219 _____ 3

HUMANITIES, VISUAL & PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)

_____ 3-4

One of the following: CLSS 110 CCST 110 ENGL 200 HIST 101, 102 PHIL 111, 112, 114 POSC 110; RELN 111, 112, 203, 206 Or ART 100, 215, 216; CVPA 266; DNCE 111 MUSC 100, 121, 123 THEA 100, 180 Or CHNS 101: 102, 201: 202 ARAB 100,200,210 FORL 100, 109, 200, 209, 210, 309, 409; FREN 100, 200:210, 300, 320 GRMN 100, 200: 210, 300 LATN 101, 102, 201, 350; RUSS 100, 200, 210, 300; SPAN 101: 102, 201, 202

SOCIAL/ BEHAV. SCI. OR HEALTH & WELLNESS (3SH)

_____ 3

One of the following: ANSC 101, APST 200 ECON 105, 106 GEOG 101, 102, 103 HIST 111, 112 POSC 120; PSYC 121 RELN 205 SOCY 110, 121 HLTH 111,200 NURS 111 NUTR 214; RCPT 200

Environmental Biology Concentration

BIOL 160 _____ (2)	Introductory Seminar in Biology	F/S
BIOL 460 _____ (2)	Advanced Seminar in Biology	F/S
OR		
2 semesters of BIOL 460 Advanced Seminar in Biology (2:2)		
BIOL 131 _____ (4)	Ecology and Adaptation	F/S
BIOL 132 _____ (4)	Biology of Cells and Microorganisms	F/S
BIOL 231 _____ (4)	Genetics, Evolution, and Development	F/S
BIOL 232 _____ (4)	Organismal Biology	F/S
BIOL 390 _____ (3)	Conservation Biology	S
BIOL 392 Environmental Toxicology OR		
CHEM 215 – Environmental Chemistry		
BIOL 333 – Population and Community Ecology OR		
BIOL 476 – Forest and Wetland Ecology		
GEOS 250 _____ (4)	Introduction to GIS	F/S
CHEM 101 _____ (4)	General Chemistry	F/S/SU
CHEM 102 _____ (4)	General Chemistry	S/SU
STAT 219 _____ (3)	Statistics for Biology	F/S/SU
MATH 119/138/151 _____ (3)	Math Core Curriculum see above	F/S/SU
CHEM 102 or 103		

Interdisciplinary Environmental Issues (3 credits) Take one from the following list:

GEOS 241 – Environmental Regulation

ECON 375 – Environmental Economics

Note: GEOG 140 is a prerequisite for GEOS 241, ECON 106 is a prerequisite for ECON 275.

11-12 credit hours chosen from the below courses:

Courses taken for requirements listed above may not be counted as electives:

BIOL 215 General Botany (4)	BIOL 361 Parasitology (4)	BIOL 464 Vertebrate Zoology (4)
BIOL 216 General Zoology (4)	BIOL 380 Ornithology (4)	CHEM 215 Environmental Chemistry (3)
BIOL 217 Flora of Virginia (4)	BIOL 392 Environmental Toxicology (4)	GEOL 474 Hydrogeology (4)
BIOL 351 Comparative Physiology (4)	BIOL 408 Principles of Microbiology (4)	GEOS 335 Biogeography (3)
BIOL 353 Comparative Behavior (4)	BIOL 462 Invertebrate Zoology (4)	BIOL 476 Forest and Wetland Ecology (4)
BIOL 333 Population and Community Ecology (4)	BIOL 462 –Vertebrate Zoology	

BS Requirements: CHEM 301 and CHEM 302 _____ (4) _____ (4)

Prerequisites

All BIOL prerequisites must be C or better

Freshmen only

BIOL 131, 132, 231 and 232 (232 may be concurrent)

BIOL 131 (BIOL majors) or CHEM 101

BIOL 132

BIOL 131, 132, and 231

BIOL 231, OR BIOL 103 & (104 or 105)

CHEM 101