



Wells College

Name: _____

Advisor: _____

Graduation Year: _____

Environmental Science Major

The number of courses required for the major is 15 (48-53 semester hours). Off-campus study courses may substitute for some of the requirements below.

Requirements:

All of the following (35-37 semester hours):

BIOL 119L	Ecology and Evolution (4 sem. hrs.)
ENVR 101L	Introduction to Environmental Science (4 sem. hrs.)
ENVR 102L	Conservation of Biodiversity (4 sem. hrs.)
ENVR 131L	Physical Geology (4 sem. hrs.)
ENVR 196	Tutorial in Geographic Information Systems (1 sem. hr.)
ENVR 204	The Climate System (3 sem. hrs.)
ENVR 290/390	Internship in Environmental Sciences (2-4 sem. hrs.)
ENVR 303	Environmental Impact Assessment (3 sem. hrs.)
ENVR 340	Sustainable Agriculture (3 sem. hrs.)
ENVR 403	Senior Thesis in Environmental Science (4 sem. hrs.)
Math 151	Elementary Statistics (3 sem. hrs.)

OR MATH 251 Mathematical Statistics (3 sem. hrs.)

Four courses in Group 1 OR four courses in Group 2 OR four courses in Group 3, as indicated below: (13-16 sem. hrs.):

Group 1:

BIOL 130L	Biology of Organisms (4 sem. hrs.)
BIOL 305	Terrestrial Field Biology (3 sem. hrs.)
BIOL 324L	Animal Behavior (4 sem. hrs.)
BIOL 325L	Limnology (4 sem. hrs.)
BIOL 363	Advanced Ecology (3 sem. hrs.)
ENVR 285/285L/385/385L	Topics in Environmental Science (3-4 sem. hrs.)

Group 2:

CHEM 107L	General Chemistry (4 sem. hrs.)
CHEM 108L	Chemical Analysis (4 sem. hrs.)
CHEM 213L	Organic Chemistry (4 sem. hrs.)
CHEM 214L	Organic Chemistry (4 sem. hrs.)
CHEM 315L	Inorganic Chemistry (4 sem. hrs.)
CHEM 327L	Instrumental Analysis (4 sem. hrs.)
ENVR 285/285L/385/385L	Topics in Environmental Science (3-4 sem. hrs.)

Group 3:

MATH 111	Calculus I: Introduction to Calculus (4 sem. hrs.)
MATH 112	Calculus II: Introduction to Calculus (4 sem. hrs.)
MATH 211	Calculus III: Multivariable Calculus (3 sem. hrs.)
PHYS 111L	Fundamentals of Physics I (4 sem. hrs.)
PHYS 212L	Fundamentals of Physics II (4 sem. hrs.)
PHYS 221L	Principles of Electronics (4 sem. hrs.)
ENVR 285/285L/385/385L	Topics in Environmental Science

Group 4:

Pending NYSED approval