

Environmental Science Major (BS)

Department of Biology and Earth Science
Otterbein University

Suggested Program of Study

FRESHMAN YEAR

Fall Semester		Spring Semester	
ESCI 1001 (INST 2410) Intro Env Science	4	BIO 1020 Intro Organisms/Ecology (skills)	4
FYS	3	ESCI 1010 or 1020 (skills)	4
MATH 1250 ^a	3	INST 1500	3
Open	4	LFW	1
Open	<u>3</u>	MATH 1700 Calculus I	<u>4</u>
	17		16

SOPHOMORE YEAR

Fall Semester		Spring Semester	
CHEM 1400/10 (skills)	4	BIO 2020 Ecology	4
INST 2XXX ^b	3	CHEM 1500/10	4
MATH 1800 Calculus II (recommended)	4	ESCI 1020 or 1010 (skills)	4
SUST 2010	<u>4</u>	INST 2XXX ^b	<u>3</u>
	15		15

JUNIOR YEAR

Fall Semester		Spring Semester	
BIO 2998 or 2999 Seminar ^c	1	BIO 2998 or 2999 Seminar ^c	1
BIO/ESCI Elective ^e	3-4	BIO/ESCI Elective ^e	3-4
INST 2XXX ^b	3	INST 2XXX ^b	3
PHYS 1100/1300 ^c	4	PHYS 1200/1400 ^d	4
Open	<u>3</u>	Open	<u>3</u>
	14-15		14-15

SENIOR YEAR

Fall Semester		Spring Semester	
BIO/ESCI Elective ^e	3-4	BIO 4998 Senior Seminar (optional) ^e	1
ESCI 4950 Research (optional) ^f		BIO/ESCI Elective ^e	3-4
INST 2XXX ^b	3	BIO/ESCI Elective ^e	3-4
Open	3	INST 3XXX	3
Open	3	SYE	<u>2-3</u>
Open	<u>3</u>		12-15 ^g
	15-16 ^g		

^a A grade of C- or better in ASC 0900 is required to get into MATH 1250, students may take a higher level math depending on placement.

^b The 4 INST 2000 level courses may be taken in any order.

^c BIO 2998 and 2999 are open to sophomores, juniors or seniors. Students can take in any order in any semester. Only one is required.

^d Students may take either pair of PHYS courses; 1300/1400 requires calculus.

^e The following elective courses will count toward this major: BIO 3020, BIO 3200, BIO 3320, BIO 3340, BIO 3360, ESCI 2000, ESCI 3000, ESCI 3100, ESCI 3200. Fifteen hours at the upper level required, and at least 8 hours must be ESCI.

^f Two to three research credits (ESCI 4950, HNRS 4500 or ESCI 3900 IND STD: Distinction) taken in conjunction with BIO 4998 can count toward upper level elective hours. Those hours will be considered Writing Intensive, and can be taken at any time.

^g A total of 120 hours are required for graduation (an average of 15 per semester).