

Environmental Science Major (BS)

Department of Biology and Earth Science
Otterbein University

Suggested Program of Study

FIRST YEAR

Fall Semester		Spring Semester	
ESCI 1001 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
Elective	4	LFW	1
Elective	<u>3</u>	MATH 1700 Calculus I	<u>4</u>
	17		16

SOPHOMORE YEAR

Fall Semester		Spring Semester	
BIO 2998 Seminar ^c	1	BIO 2020 Ecology	4
CHEM 1400/1410 (skills)	4	CHEM 1500/1510	4
INST 2XXX ^b	3	ESCI 1020 or 1010 (skills)	4
MATH 1800 Calculus II (recommended)	4	INST 2XXX ^b	<u>3</u>
SUST 2010	<u>4</u>		15
	16		

JUNIOR YEAR

Fall Semester		Spring Semester	
BIO 3998 Seminar ^c	.5	BIO 3998 Seminar ^c	.5
BIO/EHS/ESCI Elective ^e	3-4	BIO/EHS/ESCI Elective ^e	3-4
INST 2XXX ^b	3	INST 2XXX ^b	3
PHYS 1100/1500 ^d	4	PHYS 1200/1600 ^d	4
Elective	<u>3</u>	Elective	<u>3</u>
	14-15		14-15

SENIOR YEAR

Fall Semester		Spring Semester	
BIO/EHS/ESCI Elective ^e	3-4	BIO 4998 Senior Seminar (optional) ^e	1
ESCI 4950 Research (optional) ^f		BIO/EHS/ESCI Elective ^e	3-4
INST 2XXX ^b	3	BIO/EHS/ESCI Elective ^e	3-4
Elective	3	INST 3XXX	3
Elective	3	SYE	<u>2-3</u>
Elective	<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 four INST 2000 level courses may be taken in any order.

^c BIO 2998 is required. Two semesters of BIO 3998 are required, but more can be taken.

^d Students may take either pair of PHYS courses; 1500/1600 requires calculus.

^e The following elective courses will count toward this major: BIO 3000-3999, EHS 2200, EHS 2250, EHS 3000, ESCI 2000-3999, ESCI 4950/BIO4998 WI. 14 hours at the upper level required, and at least 8 hours must be ESCI. Three to four hours must come from BIO 3020, BIO 3320, ESCI 3000, ESCI 3100, ESCI 4950/BIO 4998 WI.

^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).

5/22/2020