

Biology Major (BS)

Department of Biology and Earth Science Otterbein University

Suggested Program of Study

FIRST YEAR

Fall Semester		Spring Semester	
BIO 1010 Intro Molecular/Cell (skills)	4	BIO 1020 Intro Organisms/Ecology	4
CHEM 1400/1410 (skills)	4	CHEM 1500/1510	4
FYS	3	INST 1500	3
LFW	1	MATH 1700 Calculus I	<u>4</u>
MATH 1250 Precalculus ^a	<u>3</u>		15
	15		

SOPHOMORE YEAR

Fall Semester		Spring Semester	
BIO 2010 Genetics	4	BIO 2020 Ecology	4
BIO 2998 Seminar ^c	1	BIO 2030 Cell Biology	4
INST 2XXX ^b	3	INST 2XXX ^b	3
MATH 1800 Calculus II (optional)	4	Elective	<u>3</u>
Elective	<u>3</u>		14
	15		

JUNIOR YEAR

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

SENIOR YEAR

Fall Semester		Spring Semester	
BIO Major Elective ^d or BIO 4950 Research (optional) ^f	3-4	BIO 4998 Senior Seminar (optional) ^e	1
BIO Major Elective ^d	3-4	BIO Major Elective ^d	3-4
INST 2XXX ^b	3	BIO Major Elective ^d	3-4
Elective	3	INST 3XXX	3
Elective	<u>3</u>	SYE	<u>2-3</u>
	15-17 ^g		12-15 ^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 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 Eighteen upper level hours (3000 level and above) are required. One must be a Writing Intensive upper level. BMB 4500 can count toward Biology elective hours.

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

^f Two to three research credits (BIO 4950, HNRS 4500 or BIO 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).

4/10/20