

Aquarium Track in the Zoo & Conservation Science Major (BS)

Department of Biology and Earth Science Otterbein University

Suggested Program of Study

FIRST YEAR

Fall Semester		Spring Semester	
BIO 1010 Intro Biology I (skills)	4	BIO 1020 Intro Biology II (skills)	4
CHEM 1400/1410 Chemistry I (skills)	4	CHEM 1500/1510 Chemistry II	4
MATH 1250 Precalculus ^a	3	INST 1500	3
FYS	3	ZOSC 1010 Intro to Zoo & Cons	<u>4</u>
ZOSC 1015 Intro to Aquarium Skills ^c	<u>1</u>		15
	15		

SOPHOMORE YEAR

Fall Semester		Spring Semester	
BIO 2010 Genetics	4	BIO 2020 Ecology	4
ESCI 2002 Intro to Marine Science	3	ZOSC 2011 Comm. Conservation & Education ^b	2
BIO 2998 Seminar ^f	1	LFW 1039 SCUBA Diving (or LFW1XXX) ^c	1
INST 2XXX	3	INST 2XXX	3
MATH 1700 Calculus 1	<u>4</u>	MATH 1240 Stats.	3
	15	Elective	<u>3</u>
			16

JUNIOR YEAR

Fall Semester		Spring Semester	
BIO 3020 (taken any semester Jr. or Sr. year)	3	BIO 3000 elective ^e	3-4
BIO 3000 elective ^e	3-4	BIO 3998 Seminar ^f	.5
BIO 3998 Seminar ^f	.5	Elective	3
COMM 1100 Public Speaking (recommended)	3	INST 2XXX	3
INST 2XXX	<u>3</u>	ZOSC 3015 Water Quality ^d	2
	12.5-13.5	ZOSC 4900 Internship (opt) ^d or Elective	<u>4-6</u>
			15.5-18.5

SENIOR YEAR

Fall Semester		Spring Semester	
BIO 3000 elective ^e	3-4	BIO 3000 elective ^e	4
BIO 3000 elective ^e	2-4	SYE	3
INST 3000	3	ZOSC 3016 Life Support ^d	2
ZOSC 4950 Research (optional) ^h or elective	3-4	ZOSC 4950 Research (optional) ^h or elective	<u>3-4</u>
Elective	<u>3</u>		12-13 ⁱ
	15-17 ⁱ		

^a A grade of C- or better in ASC 0900 is required to get into MATH 1240/1250, students may take a higher-level math depending on placement.

^b Course will be taught off campus.

^c Aquarium students must take on of the two 1000 level skills courses (ZOSC 1015 or LFW 1039).

^d Either Aquarium Practicum: ZOSC 3015 or 3016 is required. The other may be taken for required elective credit.

^e Must take 14 elective credits from this list: BIO 3060 (Aquatic Eco), BIO 3300 (Invert Zoo), BIO 3340 (Coral Reef Eco), BIO 3400 (Vert Bio), Marine Travel Course, ZOSC 3015/16, ZOSC 4950/BIO 4998 WI.

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

^g ZOSC 4900 Internship taken at the Columbus Zoo (not required) must be taken in Spring Term of the Junior year. ZOSC 4900 at other locations may be taken Junior or Senior year.

^h Research credits (ZOSC 4950, HNRS 4500 or ZOSC 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.

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

Note: Aquarium Track students may substitute PHYS I w/ lab for CHEM II, MATH 1700 or MATH 1240. 7/13/23