

BIOLOGY MAJOR MARINE SCIENCE TRACK COURSE PLANNING GUIDE AND CHECKLIST

For a B.S. degree in the marine science concentration in biology at UAB, you must satisfactorily complete a minimum of 120 semester hours including the following:

BIOLOGY – minimum of 40 semester hours with a minimum Biology GPA of 2.0 in the following:

8 hours Introductory Biology I and II	BY 123 _____
	BY 124 _____
3 hours of Genetics :	
	BY 210 _____
One course from each of the following areas:	
Ecology and Evolution 429, 435, 467, 470, 474 or (MESC 411 or 412)	_____
Organismal Biology 255, 256, 271, or 442 (MESC 402, 407, or 413)	_____
Physiology and Development 314, 409, 410, 420, 440, 451, or 475	_____
Cellular/Molecular Biology 311, 330, 434, or 437	_____
Capstone Requirement (490, 491, 492, or 493)	_____

Plus additional biology courses to total 40 hours (usually 10-12 hours). Also, at least 9 hours of the major must be at the 400-level. These courses may be chosen from the courses that are listed above or other selected biology courses from the course catalog **except** BY 101, 102, 107, 111, 112, 116, or 261. These courses will not count toward the biology electives. Other requirements at least (5) five Marine Environmental Science (MESC) elective courses approved by your academic advisor.

Additional: _____

CHEMISTRY –	General Chemistry	Organic Chemistry
	CH 115 _____	CH 235 _____
	116(lab) _____	236(lab) _____
	CH 117 _____	CH 237 _____
	118(lab) _____	238(lab) _____
		Biochem CH 460 or 461 _____

MATHEMATICS – Results of math placement test determines initial math course (MA 098, 102, 105, etc.). These mandatory pre-requisite Math courses will be counted as general electives.

MA 125 _____

PHYSICS – Complete *either* trig-based physics OR calculus-based physics series:

PH 201 _____	or	PH 221 _____
and		and
PH 202 _____		PH 222 _____

UNIVERSITY CORE CURRICULUM

AREA I. English Composition (6 hours)

EH 101 _____
EH 102 _____

AREA II. Humanities and Fine Arts (12 hrs)

1 Literature *: EH 216, 217, 218, 221, 222, 223, 224;
1 Arts: ARH 101, 203,204,206, MU 120, THR 100,105, 200
2 from: lit, arts, for lang., speech, phil., etc. from the
AGSC approved list, see www.uab.edu/catalogs

EH _____
Arts _____
PHL 115 or 116 _____

AREA III. Science and Mathematics (this area is covered by your major)

AREA IV. History, Social & Behavioral Sciences (12 hrs)

1–2 History * : HY 101, 102, 104, 105, 120, 121,
2–3 from AGSC approved list in areas of
anth, econ, geog, poli sci, psych, soc, etc. from the
AGSC approved list; see www.uab.edu/catalogs

HY _____

***NOTE:** Students must complete a 6 semester hour *sequence* in either literature or history.

GENERAL ELECTIVES – Additional courses (usually 12–27 hrs) complete the minimum semester hours for degree.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

TOTAL SEMESTER HOURS FOR DEGREE: 120

MIMIMUM OVERALL GPA: 2.0

UPDATED 7/23/2014