

BIOLOGY MAJOR COURSE PLANNING GUIDE AND CHECKLIST

For a BS degree 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 (407, 429, 435 or 470)	_____
Organismal Biology (255, 256, 260, 271, or 442)	_____
Physiology and Development (314, 405, 409, 410, or 450)	_____
Cellular/Molecular Biology (330, 311)	_____

Plus additional biology courses to total 40 hours (usually 15-16 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, 216, 261 or 307. These courses will not count toward the biology electives.

Additional: _____

(Marine Science Concentration – must complete MESC 417, Technical Methods and 4 MESC courses)

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

Note: These courses together with CS 101 will complete the chemistry minor. See Chemistry Advisor to confirm minor requirements (Mr. Jamie Grimes, jamieg@uab.edu).

MATHEMATICS – Complete either **Calculus I** (MA 125) OR **Calculus with Functions I & II** (MA 123 & 124). 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 123 _____ MA 124 _____ or 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 _____

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.

SCHOOL-WIDE REQUIREMENTS (2 of the following 3 choices)

Computer competency (BY 245, CS 101)
3 hrs from either foreign language or culture
3 hrs from critical reasoning/philosophy

NOTE: CS 101 is a requirement for the Chemistry minor

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