

**BIOLOGY MAJOR-Molecular Track
COURSE PLANNING GUIDE AND CHECKLIST**

For a BS degree in the molecular track in biology at UAB, you must satisfactorily complete a minimum of 120 semester hours including the following:

Biology – a minimum Biology GPA of 2.0 and minimum of 40 semester hours including:

8 hours Introductory Biology	BY 123_____
	BY 124_____
3 hours of Genetics :	BY 210_____
13 hours of molecular track requirements	BY 245_____
	BY 271_____
	BY 311_____
	BY 330_____
9 hours selecting 3 of the following 4 classes: BY 416, 431, 433, 440	_____

plus additional biology courses to total 40 hours.

Additional: 7 hrs	_____

(Warning: You cannot apply By 101, 102, 107, 111, 112, 116, 216, 261 or 307 toward the biology major).

<p>Chemistry: General CH 115_____</p> <p style="padding-left: 40px;">116 (lab)_____</p> <p style="padding-left: 20px;">CH 117_____</p> <p style="padding-left: 40px;">118 (lab)_____</p>	<p>Organic CH 235_____</p> <p style="padding-left: 40px;">236(lab)_____</p> <p style="padding-left: 20px;">CH 237_____</p> <p style="padding-left: 40px;">238(lab)_____</p> <p>Biochem CH 460_____</p>
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Note: These courses together with CS 101 complete chemistry minor. See Chemistry Advisor to confirm minor requirements (Mr. Jamie Grimes, jamiieg@uab.edu).

Mathematics – You must complete **Calculus I** (MA 125). Take the math placement test to determine your initial math course. Preparatory math courses you need to enable you to take calculus will count as electives.

MA 123_____, MA 123_____ or **MA 125**_____

Physics – You must complete *either* the Trig-based or Calculus-based series:

PH 201_____	PH 221_____
PH 202_____	PH 222_____

CORE CURRICULUM

AREA I. English Composition (6 hours)

EH 101 _____
EH 102 _____

AREA II. Humanities and Fine Arts (12 hrs)

(1 lit. from 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.)
AGSC approved list, see: www.uab.edu/catalogs)

HY _____

***NOTE:** Students must complete a 6–hr *sequence* in either literature or history.

Additional School–wide Requirements (2 of the following 3 choices)

- Computer competency
- 3 hrs from either foreign language or culture
- 3 hrs from critical reasoning/philosophy

(BY 245 in the major covers this)

Electives – Any additional courses (usually 12–27 hours) to reach the minimum total for graduation (**120hrs**).

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

TOTAL SEMESTER HOURS FOR DEGREE: 120

MINIMUM OVERALL GPA: 2.0