INTEGRATED BIOLOGY TRACK COURSE PLANNING GUIDE AND CHECKLIST

For a B.S. 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**
  - (429, 435, 467, 470, or 474)

- **Organismal Biology**
  - (255, 256, 271, or 442)

- **Physiology and Development**
  - (314, 409, 410, 420, 440, 451, or 475)

- **Cellular/Molecular Biology**
  - (311, 330, 434, 437, or 469)

- **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, 108, 111, 112, 116, or 261. These courses will not count toward the biology electives.

**Additional:**

- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________

**CHEMISTRY** –

- **General Chemistry**
  - CH 115
  - CH 116(lab)
  - CH 117
  - CH 118(lab)

- **Organic Chemistry**
  - CH 235
  - CH 236(lab)
  - CH 237
  - CH 238(lab)

**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
- PH 202
- PH 221
- 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;  
EH _____________
1 Arts: ARH 101, 203,204,206, MU 120, THR 100,105, 200  
ARTS _____________
2 from: lit, arts, for lang., speech, phil., etc. from the  
*PHL _____________
AGSC approved list, see www.uab.edu/catalogs

* Must complete PHL 115 or PHL 116

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

AREA IV. History, Social & Behavioral Sciences (12 hrs)  
HY ____________
1–2 History *: HY 101, 102, 104, 105, 120, 121,  
HY ____________
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

*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.

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TOTAL SEMESTER HOURS FOR DEGREE: 120

MINIMUM OVERALL GPA: 2.0

UPDATED: 4/28/2016