REQUIREMENTS FOR BIOLOGY MAJOR – Class of 2021 and onwards
Updated Sept 2018

Major Requirements:
- 32 total credit hours of coursework* in Biology (excluding AP)
- BI 163 and BI 164
- one field biology course w/ lab (211, 237, 259j, 271, 277, 334)
- one cell biology course w/ lab (225, 227, 248, 274, 279, 332, BC367)
- six biology courses with laboratory component
  (note: the BI163/4, field and cell biology lab courses above count toward the 6 labs)
- two biology courses at 300 level or above
- BI 401 or BI 402
- Chemistry 141 and 142, or CH 147, or CH 121 and 122
- Mathematics 121 or 161 or equivalent
- one course from the following (CS151, CS152, CS153, MA122, MA162, SC212, MA253)

REQUIREMENTS FOR BIOLOGY MAJOR (CMBB CONCENTRATION)
In addition to requirements for the major,
- BI 279
- BC 367, BC 368 and BC 378
- Chemistry 241 and 242
- Physics 141 and 145, or one lab course class from the following list:
  (BI 225, 332, 248, 252, 274, 379, Chemistry 331)

REQUIREMENTS FOR BIOLOGY MAJOR (NEUROSCIENCE CONCENTRATION)
In addition to requirements for the major,
- BI 274
- Two biology courses from the following list (225, 227, 275, 278, 279, 373, 374)
- Psychology 111
- One Psychology course from the following list (232, 233, 242, 272, 352, 374)
- Any Psychology course 200-level or above

REQUIREMENTS FOR BIOLOGY MAJOR (ECOLOGY AND EVOLUTION CONCENTRATION)
In addition to requirements for the major,
- BI 271
- BI 320 (with or without lab)
- BI 382
- a relevant research experience or research-based course (354, 373 with lab, 451, 452, 483/484; ES343 or 494)
- one course from the following (211, 237, 254, 256, 259j, 276, 277, 278, 334, 376, ES356, ES358, GE141)
- SC 212
- **recommended:** one additional course in quantitative skills (CS151 or above, ES212 or ES214, or PH141 or above) and one taxonomy-oriented course (w/lab) (211, 254, 256, 277, or 334)

*Up to 4 credits of Independent Study (491, 492) may be applied to the major, and does not count as a laboratory course. If more than 4 credit hours are taken in Biology, these will be non-graded and not count toward the major.*
REQUIREMENTS FOR COMPUTATIONAL BIOLOGY MAJOR

☐ ☐ BI163 and BI164
☐ CS151 or CS152
☐ MA121
☐ ☐ BI 278 and BI279
☐ SC212
☐ ☐ CS231 and CS251
☐ ☐ two courses from the following list (CS333, CS341, CS361, CS365, CS441, or other approved course)
☐ ☐ one course from the following list (BI320, BI371, BC378, or other approved course)
☐ ☐ Focus requirement: two additional courses in BI, CS, or SC at the 300 level or above.