REQUIREMENTS FOR BIOLOGY MAJOR – Class of 2020 and onwards

Major Requirements:
- 32 total credit hours of coursework (excluding AP) in Biology
- BI 163 and BI 164
- one field biology course with lab (211, 237, 257j, 259j, 271, 277, 334, ES358j)
- one cell biology course with lab (225, 277, 248, 252, 274, 279, 315, 332, BC367)
- 6 biology courses with a laboratory component
- two biology courses at 300 level or above
- BI401 or BI402
- Chemistry 141 and 142, or CH147
- Mathematics 121 or 161 or equivalent
- one course from the following list (CS151 or CS152, MA122, MA162, SC212, MA253)

REQUIREMENTS FOR BIOLOGY MAJOR (CMBB CONCENTRATION)
In addition to requirements for the major,
- 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
- Psychology 111
- 2 Psychology courses from the following list (232, 233, 236, 275, 374, 375)
- One elective course from Psychology at the 200-level or above, CH241, PH141, CS 151/152,
  or Mathematics/Statistics (in addition to the major requirements)

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, 334, 376, ES356, ES358,
  GE141)
- SC 212
- **recommended:** one additional course in quantitative skills (CS151 or 152, ES212 or ES214,
  or PH141) and one taxonomy-oriented course with lab (211, 254, 256, 277, or 334)

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

REQUIREMENTS FOR COMPUTATIONAL BIOLOGY MAJOR- see next page
REQUIREMENTS FOR COMPUTATIONAL BIOLOGY MAJOR

- BI163 and BI164
- CS151 or CS152
- MA121
- CS231 and CS251
- two courses from the following list (CS333, CS341, CS361, CS365, CS441, or other approved course)
- BI278 and BI279
- one course from the following list (BI320, BI371, BC378, or other approved course)
- SC212
- Focus requirement: two additional courses in BI, CS, or SC at the 300 level or above.