Requirements for the Biology Major  AY 2013-2014

A. Core Courses required of all candidates: BIOL 14a; BIOL 15b; BIOL 16a; BIOL 18a,b lab; CHEM 11a,b or CHEM 15a,b; CHEM 18a,b or CHEM 19a,b lab; CHEM 25a,b; CHEM 29a,b lab; and Option I or II below.

Option I: The BA Degree in Biology
The BA is the standard biology option that provides students with a general background in biology. In addition to the Core courses required of all candidates (listed above), students must complete one course from the Quantitative Course List below. Also, students must complete a total of five Elective Courses, three of which must be taken at Brandeis. At least three electives must come from the Biology Elective Group; up to two may be chosen from the School of Science Elective Group.

Courses required of all BA candidates or those used to fulfill the Quantitative Course requirement cannot also be used for Elective credit.

Option II: The BS Degree in Biology
The BS is the intensive biology option that provides students with a strong background in several areas of biology. In addition to the Core courses required of all candidates (listed as in A above), students must complete two courses from the Quantitative Course List. They must also complete PHYS 10a,b or PHYS 11a,b or PHYS 15a,b; and PHYS 18a,b or PHYS 19a,b lab. In addition, students must complete six elective courses, at least four of which be taken at Brandeis. At least four electives must come from the Biology Elective Group; up to two may be chosen from the School of Science Elective Group.

Courses required of all BS candidates or those used to fulfill the Quantitative Course requirement cannot also be used for Elective credit.

Quantitative Course List
BIOL 51a
BIOL 107a
BIOL 135b
CHEM 144a
any COSI course numbered 10 or higher
HSSP 100b
any MATH course numbered 10 or higher
NBIO 136b
any QBIO course
PSYC 51a

Biology Electives
BIOL 17b
any BIOL course numbered 23 or higher (excluding courses numbered 90-99)
ANTH 116a
BCHM 100a
BCHM 155b
BCHM 172a
any BIBC course
any CBIO course
any NBIO course
any QBIO course
One semester of BIOL 93 plus one semester of BIOL 99, or two semesters of BIOL 99 (or NEUR 99a,b) may count as one elective with permission of the biology department honors coordinator.

**School of Science Electives (no more than 2 full course electives can come from this group)**
Any course numbered 10 or higher (excluding courses numbered 90-99 and courses in the Biology Elective Group) from:
BCHM
CHEM,
COSI
MATH,
PHYS
Lab courses not listed as a requirement for A. Option I (BA) or for A. Option II (BS) can be used as electives in the School of Science elective group.

Note: Two-credit laboratory courses are counted as one-half of a regular semester course and 4-credit laboratory courses will be counted as a full semester course.

Note: AP credit cannot be used to satisfy the quantitative requirement or the elective requirement.

**E.** No course offered for major requirements in either Option I or II may be taken on a pass/fail basis.

**F.** Satisfactory grades (C- or above) must be earned in all Core courses with BIOL designations (BIOL 14a, 15b, 16a, 18a, 18b), all Quantitative courses and in all Elective courses from the Biology Elective and the School of Science Elective groups offered for the major in Biology. No more than one D may be earned in any other courses offered for the major.