

BS in Biology with concentration in Cellular/Physiology: course suggestions

This is a suggested schedule leading to degree completion in four years. When selecting advanced biology electives, note that some specialized courses are only offered every other year, while others are offered only in fall or spring. Interesting biology electives may also have prerequisites, so be sure to check and plan well in advance.

This suggested schedule does not include summer courses, but completing some general education or introductory science requirements in the summer increases flexibility in the regular academic semesters.

First Year, Fall (16 hrs)	First Year, Spring (16 hrs)
Gen 101 (1 hour) Biology 240 (3 hrs) Language 1 (3-4 hrs) ^a Chemistry 201 ^b /207/208 (5 hrs) Gen Ed requirement ^c (3 hrs)	Biology 242 (3 hrs) Biology 244 (2 hrs) Chemistry 202/209 (4 hrs) Language 2 (3-4 hrs) Gen Ed requirement (3 hrs)
Second Year, Fall (15 hrs)	Second Year, Spring (16 hrs)
Biology 329 (3 hrs) Chemistry 341/343 (5 hrs) Gen Ed requirement (3 hrs) Math 205 [see year one chemistry footnote] (4 hrs)	Biology 330/331 (5 hrs) Chemistry 342/344 (5 hrs) Gen Ed requirement (3 hrs) Gen Ed requirement (3 hrs)
Third Year, Fall (13-14 hrs)	Third Year, Spring (16-17 hrs)
Biology 363 (3 hrs) Biology C/P concentration course [540 ^d , chem 445] (3 hrs) Physics 221/223 <u>or</u> Geos 301 or 367 (4 hrs) Gen Ed requirement or Psych 301 [see Fall statistics] (3 hrs)	Biology 465 ^e (3 hrs) Biology C/P concentration course [347, 348 WR, 409 ^f , 415 WR, 485, 512, 513] (3-4 hrs) Physics 222/224 <u>or</u> Geos 355, 357, 363 or 365 (3-4 hrs) Statistics ^g [Biology 350 or Psych 301] (3 hrs) Gen Ed requirement (3 hrs)
Fourth Year, Fall (15-17 hrs)	Fourth Year, Spring (12-15 hrs)
Biology C/P concentration course [357/358, 400] (3-4 hrs) Biology Electives ^h (4-6 hrs) Gen Ed requirement (3 hrs) Gen Ed requirement (3 hrs)	Biology C/P concentration course [347, 348 WR, 409, 415 WR, 485, 512, 513] (3-4 hrs) Gen Ed requirement (3 hrs) Biology Electives (6-8 hrs)

Other requirements:

- 2 WR (writing credit) courses at the 300 level or above.
- 29 credit hours in Biology above the 300 level after completing the core courses. If you take only 3-credit Biology electives you can be deficient in credits.
- 50 credit hours at or above the 300 level across the University

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- a Students with High School language experience or multilingual backgrounds should consult the Classical and Modern Languages department for information on partially or completely satisfying the language requirements through testing.
- b A BS requirement that also fulfills a Gen Ed requirement. Depending on math background, some students will need to take Math 111 (not part of this schedule) in preparation for both Chem 201 and Math 205.
- c A biology major requires courses meeting the natural sciences and mathematics Gen Ed requirements; do not put those here.
- d Biology 540 or Chemistry 445 is a concentration requirement: both are Fall courses only.
- e Required, and is also a prerequisite for 512 and 513.
- f Needs 303 as a prerequisite; 409 is itself a prerequisite for 552.
- g Biology 350 is a Spring course only; taking it decreases your needed biology electives by 3 hrs. Psychology 301 satisfies the statistics requirement for the major, and can be used to satisfy a requirement for a social science of 300 level or above.
- h Biology 406WR (undergraduate research) would be suitable if you plan to do an honors project, and is a good source of writing credit. You MUST have mentor approval, and can take up to 3 credits for each of 2 semesters: 6 hours total.