**Grade of C or better is required.**
1. **Disallowed credits:** The following courses **MAY NOT** be used for credit (**NOT EVEN AS ELECTIVES**) towards a degree in Biology and will **NOT** be counted towards graduation:

   - BMB 1
   - BI SC 1, 2, 3, 4
   - BIOL 11, 12, 33, 55
   - CHEM 101, 103, 106, 108
   - ENGL 4, 5
   - ESL 4
   - MATH – no course under 140**
   - CAS 126
   - MICRB – No course under 199
   - PH SC 1, 150, 151, PHYS 001
   - LL ED 5, 10
   - PHYS 1
   - More than 9 credits of SC 295, 395, 495

   **Please note that in the following courses only a specified number of the credits count towards graduation:**

   - MATH 140A (only 4 out of 6 credits count)
   - CHEM 106 (only 3 out of the 5 credits count)

   **However, all credits earned at Penn State count in determining your grade point average (GPA).**

   Moreover, students may take only one course for General Education credit from: HD FS 129 (GS) or SOC 030 (GS); PHIL 001 (GH) or PHIL 004 (GH); LARCH 003 (GA) or LARCH 060 (GA); SOC 001 (GS) or R SOC 011 (GS).

   Any exceptions need to be petitioned in 329 Whitmore and will be evaluated by Dr. Richard Cyr on a case-by-case basis.

2. **Writing Across the Curriculum requirement** (3 credits of “W” are required). For majors in Biology, this requirement can be met by taking BIOL 220W, 230W and 240W, each carrying one credit of “W”. Another course currently offered in the Department of Biology with “W” credit is 450W. Note that other courses within the Eberly College of Science can be used to fulfill this requirement.

3. **Elective (Supporting) Courses:** Elective credit totals vary with the option. Total elective credits range between 10 to 26 credits, depending on option and course selection. Choose your electives carefully.

4. **Petition for course substitutions or waivers of requirements.** Forms are available in the Biology Undergraduate Advising Office (329 Whitmore) and on-line (http://www.bio.psu.edu/home/degrees/uao/form_proc/).

5. **A minimum of 124 credits is required to graduate with a major in Biology.** Add up your credits carefully and **always** check your total credit early in the semester you plan to graduate!

6. **Check the bulletin board in 329 Whitmore for new course offerings** in the Department of Biology.

7. **Select both United States Cultures and International Culture course carefully.** You may be able to select a course which will also satisfy the general education requirements in Arts, Humanities or Social and Behavioral Sciences. For example, SOC 119 – Race and Ethnic Relations – will satisfy both GS and US requirements but will only count as 3 or 4 credits towards the 124 credits required for graduation (Soc 119 is a variable credit course). To clarify, from the Undergraduate Advising Handbook “A student must complete 3 credits in US and 3 credits in IL. If a student takes a 3-credit course that is both US and IL, he/she must take another 3-credit course that is US, IL, or both US and IL to complete the requirement. Education abroad courses and other credit-bearing experiences such as internships that meet this requirement will be designated as US, IL, or both US and IL.”