

FIRST YEAR STUDENT ADVISING SHEET

MAJOR: **Biology (concentrations: Biological Sciences, Pre-med, and Secondary Education), Environmental Science and Biotechnology**

COURSES REQUIRED BY THE MAJOR

First Semester

- *BIO111 - Molecules, Cells and Animal Systems
- *CH105-Fundamentals of Chemistry
- Mathematics (see note 4)

Second Semester

- BIO112 – Principles of Evolution, Ecology, and Diversity of Life
- CH113 – Organic Chemistry I

NOTES:

1. *The Natural and Physical Sciences Core Requirement are met by courses in the major.
2. **Students must achieve an average of a C- or better in BIO 111 and 112 to continue into upper-level biology courses in the major.**
3. All biology majors are required to take 3 semesters of chemistry, two of which must be CH113 and CH114.

This requirement may be satisfied by enrolling in CH105 in the fall of the first year, CH113 in the spring of the first year, and CH114 in the fall of the sophomore year.

However, students planning on doing Post-graduate work, i.e. graduate or medical schools, should be aware of the prerequisite course requirements for admission into those programs. **Students interested in Medical, Dental and related programs should refer to the premed check sheet.**

4. Math 121 or 251 is required and satisfies the Mathematics core requirement. Only if the student is very strong in the Math SAT do we suggest Calculus in the first year
5. At least one earth science course will be required for a Biology Secondary Education concentration. Two Math courses and two English courses are also required for that concentration.
6. One physics course is required for graduation; however, those students who wish to enter graduate or medical school must take 2 courses, either physics 103/104 or physics 200/201.
7. Environmental science majors must take SO204 which will also count for Social Sciences Core.
8. Secondary education majors may take either ED 106 or ED 151 in the first semester.
9. Students interested in medical school should take PSY105 and SO101 for their Social Science Core prior to junior year in order to meet new expectations on the MCAT exam.
10. We strongly suggest that the students who may be at risk take Psy105, Soc101, An111, CS12, or SW as the 4th class each semester to help explore minors or alternative majors

***There are separate check sheets for the following concentrations: Allied Health, Pre-Forestry, and General Science.**

Students interested in Biology should contact Professor Jane Cavender, Department Chair, Lyet 143A, extension 1448.