

FIRST YEAR STUDENT ADVISING SHEET

MAJOR: **Biochemistry, Biochemistry-Pre-medicine**

COURSES REQUIRED BY THE MAJOR

First Semester

- ~~Ch~~-CH 105 – Fundamentals of Chemistry
- ~~Ma~~-MA 121 – Calculus I* (see note 1)
- ~~Bio~~-BIO 111 – Intro to Biological Science I

Second Semester

- ~~Ch~~-CH 113 – Organic Chemistry I
- ~~Ma~~-MA 122 – Calculus II
- ~~BIO~~io 112 – Intro to Biological Science II

*Satisfies Core Mathematics requirement.

NOTES:

These courses begin a highly structured program coordinated among several departments and, if not completed in the first year, lead to delayed graduation or extraordinary difficulties for subsequent advisors.

There is a strong correlation between students' performance on the math portion of the SAT/ACT and CH105, likely a result of quantitative thinking and analytical reasoning skills. To promote student success, when a student has very poor entrance exam scores, it may be advisable to delay BIO111 rather than enrolling the student in both CH105 and BIO111 during the first semester. These students are encouraged to meet with the departmental chair to discuss a modified 4-year plan.

1. ~~1.~~ Math placement will be determined by the Mathematical Sciences Department. For the major, competency must be through the Ma 122 level. Ma 121 is a necessary prerequisite for PHY 200 in the fall semester of the sophomore year. If a student places into MA101, it is the department's strong recommendation that he/she enroll in MA101 only and not MA101 and MA121.

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2. Refer to check sheet for specific requirements.

3. If not completed in the Fall, ENG100 must be completed during the spring semester.

4. A grade of C- or better must be earned in CH105 in order to advance to CH113.

Students interested in Biochemistry should contact Dr. Kristi Kneas, Department Chair, Musser Hall 100A, extension 1129.

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