

FIRST YEAR STUDENT ADVISING SHEET

MAJOR: **Chemistry - ACS approved, Chemistry Management, Secondary Education Certification, Chemical Physics, Forensic Science, Chemistry-Pre-medicine**

COURSES REQUIRED BY THE MAJOR

First Semester

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

Second Semester

- Ch 113 – Organic Chemistry I
- Ma 122 – Calculus II

*Satisfies Core Mathematics requirement.

**This Biology course is not required for the Chemical Physics option

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. Math placement will be determined by the Mathematical Sciences Department. For the Chemical Physics track, competency must be through the Ma 222 level. For the other tracks, 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.
2. Students should refer to the check sheet for specific course requirements of the various curriculum tracks.
3. If not completed in the Fall, ENG100 must be completed during the spring semester.
4. Students planning to apply to medical school should plan on taking Bio 112. The recommendation is to take it during the second semester of the first year.
5. Students interested in Secondary Education Certification should plan on taking Ed 105 and 151 early in their college careers. All other Education courses require these two as pre-requisites. It is recommended that Ed 105 be taken in their first year.
6. EC 101 is a requirement for students pursuing the chemistry management option.

7. A C- or better must be earned in CH105 in order to advance to CH113.

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

5/14 Revised kak