Notes for Freshman Registration Advisors – Astronomy (v. 2/26/2015)

1. Composition I (College requirement): based on ACT English score.
   a. <=19: RHET 101 & 100 in Fall plus RHET 102 & 100 in Spring.
   b. 20-31: RHET 105 in Fall for even UIN, Spring for odd UIN.
   c. >=32: Met requirement, get 4 credits for RHET 105.
   d. Other Comp I options include CMN 111-112 and ESL 114-115.

2. Language Other Than English (College requirement):
   a. 4 semesters college level or 4 years high-school level of a single language.
   b. If you have completed 3 years of a language in HS, you may either complete the
      4th semester course or start another language and complete the 3rd semester
      course.
   c. Placement examination is required if continuing a language.
   d. If your native language is not English, you are generally exempt (may need to
      show you attended high school in your native language, or take a proficiency
      exam).

3. Math: take online ALEKS exam: http://www.math.illinois.edu/ALEKS/
   a. Need 70% or higher to enroll in MATH 220 or 221.
   b. Need 50% or higher for MATH 115 (pre-calc).
   c. 220 vs. 221: MATH 220 is for those with less than a year of high-school calculus,
      take MATH 221 otherwise.
   d. Advanced Placement: can get credit for MATH 220 with a score of 4 on Calculus
      AB or a score of 3 on Calculus BC with an AB subscore of 4 or higher. Can get
      credit for both MATH 220 and 231 with a Calculus BC score of 4 or higher.

4. Physics: take online placement exam: http://cte.illinois.edu/testing/pnp/placement.html
   a. PHYS 211 requires credit or concurrent registration in MATH 231.
   b. For students enrolled in MATH 220 or 221 we usually recommend PHYS 100,
      which can be taken for the first 8 weeks (1 credit hour) or the full term (2 credit
      hours). This may require Physics advisor approval (generally not a problem).
   c. If you score 10 or above on the Physics placement exam you can go directly into
      PHYS 211, as long as Calc I has been completed. If you score below 8 you should
      take PHYS 100 before PHYS 211.
   d. Advanced Placement: Credit is only given for PHYS 211 for a score of 5 on Physics
      C: Mechanics. For a score of 5 on Physics C: E&M, credit given for PHYS 212.

5. Astronomy:
   a. ASTR 210 requires credit or concurrent registration in PHYS 212. Most incoming
      freshmen are not at this stage so we usually recommend focusing on Gen Eds and
      other requirements first.
   b. Less technical courses such as ASTR 121, 122, 150, or 330 can be considered for
      students who want some exposure to astronomy, but note that the 100-level
      classes do not count toward the major.
6. Chemistry: placement exam not required, but recommended for students planning to also declare a physics or chemistry major at some point (note that the Physics major requires CHEM 102 & 103). Use the web link above for the physics placement exam.

7. General Education (College requirement): Note that both Natural Sciences and Quantitative Reasoning are easily met for our majors, so students should focus on Humanities & Arts (HP or LA) and Social and Behavioral Sciences (SS or BS). Some of these should be chosen to satisfy the Western and Non-Western Cultures requirements. Check [http://cte.illinois.edu/testing/pnp/proficiency/ap.html](http://cte.illinois.edu/testing/pnp/proficiency/ap.html) for any AP credits.

8. Course scheduling: Ensure that students sign up for discussions and labs as well as lectures; some of these may be tied to specific lectures. Students should be aware of potentially lengthy travel times between classrooms.