

## **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> 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.