

Recommendations for pre-health students with incoming credit (AP, IB and Dual Enrollment)

* Use IB equivalents to AP when evaluating IB credits for course work.

Chemistry:

If you received an AP score of 3, then you need to begin with CHM 2045, 2045L.

If you received an AP score less than 3, then you need to take the Chemistry Readiness Assessment.

If you receive AP credit for CHM 2045 and CHM 2045L and the score is a 4, choose one of the following

- repeat CHM 2045 and CHM 2045L and replace the AP credit with the UF course
- register for CHM 2046 and 2046L
- register for CHM 2047 and 2047L

You will have to be the judge of how comfortable you are in starting in CHM 2046 or CHM 2047.

If you receive AP credit for CHM 2045/CHM 2045L and CHM 2046/CHM 2046L (AP score = 5). DO NOT BEGIN ORGANIC CHEMISTRY IN YOUR FIRST YEAR! Consider one of the four options:

- Take CHM 2047 (one semester General Chemistry) your first semester and consider taking BSC 2010/BSC 2010L your second semester. Keep in mind that CHM 2047 is an honors, accelerated course in General Chemistry and only those who have serious interest in chemistry or possibly chemistry research should consider taking this course.
- Repeat the entire General Chemistry sequence and replace the AP credit with the UF courses.
- Register for either CHM 2046 or CHM 2051 and 2046L
- Take BSC 2010 and 2010L in the first semester if you do not plan on taking any of General Chemistry courses above.

Be sure to take additional Chemistry such as Analytical Chemistry or Instrumental Analysis or Inorganic Chemistry later on.

Biology: (It is recommended that you wait until the second or third semester to begin taking these courses)

* Zoology majors need to take BSC 2010/2010L in the first semester.

If you received an AP score of 3, you need to complete BSC 2010/2010L and BSC 2011/2011L

If you received an AP score of 4 or you may move on to BSC 2011 and BSC 2011L or complete BSC 2010 for credit at UF.

If you receive AP credit for BSC 2010/2010L and BSC 2011/2011L (AP score = 5) then consider one of the following options:

- take upper level biology related courses such as Genetics, Microbiology, Eukaryotic Cell Structure and Function, etc., especially if you feel comfortable with your knowledge of basic general biology.
- repeat the entire General Biology sequence and replace the AP credit with UF courses.
- repeat BSC 2011 and BSC 2011L and take at least one upper level biology related course.

Physics : (Typically students would begin taking these courses in the second or third year, depending on one's major).

Most health professional schools will not accept AP Physics as meeting their pre-requisite requirement, so consider repeating the course or take a different version of General Physics. In other words, if you receive AP credit for PHY 2053/2054 you should either repeat it or take PHY 2048/2049 (note PHY 2048/2049 requires MAC 2311, 2312 & 2313).

The only exceptions are those who are in majors that require extensive advanced coursework in physics such as Physics, Geology or Engineering (electrical, chemical, mechanical, biological engineering, etc.).

Calculus:

If you receive AP score of 3 on the AB exam, you earn credit for MAC 2311. You do not need to take additional Calculus courses unless your major requires more Calculus. If you need to take MAC 2312 for your major and earned an AP score of 3 on the AB exam, you should retake the MAC 2311 before going on to MAC 2312. If you plan on applying to the Junior Honors Medical Program, you will need to take MAC 2312. The Junior Honors Medical Program will accept MAC 2233 and MAC 2234.

- 1) If your major requires that you take Calculus II or if you want to apply for the Junior Honors Medical Program, then you should take
 - MAC 2512 if you earn AP score of 4 on the AB exam.
 - MAC 2312 if you earn AP score of 5 on the AB exam.
 - MAC 2512 if you earn AP score of 3 on the BC exam.

MAC 2512 is a Calculus course that is specifically designed for those who earn AP credit for MAC 2311. It covers material that is in MAC 2311 that is not part of the AP curriculum in high school AP and is needed for MAC 2312. As a result students

receiving credit for MAC 2311 may not be prepared for MAC 2312. It is to your benefit to then register for MAC 2512 instead. It is still Analytical Calculus II and will be recognized as the same as MAC 2312.

- 2) If you get credit for MAC 2233, and you need MAC 2312, then you must take the Calculus Readiness Assessment to place into MAC 2311. After successfully completing MAC 2311 you may continue with MAC 2312.
- 3) If you do not need or want to take Calculus II and it is not required by your major, and you receive AP credit for MAC 2311, and you do not wish to retake MAC 2311, you may consider taking STA 2023 as the second mathematics course required by most health professions programs.

DUAL ENROLLMENT

As a general rule of thumb, students who have completed any pre-health coursework in the community colleges should consider repeating these courses at the university level. There are some medical schools that will not accept coursework completed at community or junior colleges. Exceptions may be made if the student completes the same number of higher level courses in the related areas.

Chemistry:

If you have one year of General Chemistry with labs completed (CHM 2045, 2045L, 2046, 2046L), do not begin organic chemistry. Consider repeating the General Chemistry sequence or taking CHM 2047 and 2047L. Another option is to consider taking CHM 2046 or CHM 2051 at UF. Last option is to take a higher level inorganic chemistry in your third year. Wait until your second semester or third semester to begin Organic Chemistry. Another option is begin biology or physics in the first year.

If you have completed only half of the General Chemistry sequence, then please repeat CHM 2045. You would not need to repeat the CHM 2045L.

Biology:

If you have one year of General Biology with labs completed (BSC 2010, 2010L, 2011, 2011L), take a genetics, or other upper level biology course in your second year.

If you have completed only half of the General Biology sequence, then please complete the second half at the appropriate time (usually in the second or third semester). It is **STRONGLY** recommended that you complete the entire General Biology sequence at UF.

BSC 2005, 2007 or BSC 2008 are not pre-professional biology courses. If you have completed these courses during dual enrollment you will still have to take BSC 2010 and BSC 2011.

Physics:

If you have one year of General Physics with labs completed (PHY 2053, 2053L, 2054, 2054L or PHY 2048, 2048L, 2049, 2049L), you would need to consider repeating the entire sequence. You may choose to complete a different version of the General Physics sequence. Keep in mind that the PHY 2048-2049 sequence requires completion of three semesters of Calculus.

If you are in a major that requires additional advanced level physics (such Physics, Geology or Engineering), you will not need to repeat the General Physics sequence.

If you have completed only half of the General Physics sequence, then please complete the second half at the appropriate time. It is **STRONGLY** recommended that you complete the entire General Physics sequence at UF.

Calculus:

If you have completed Analytical Calculus for dual enrollment credit (MAC 2311) then you may choose to

- 1) go on to MAC 2312 if needed for your major
- 2) go on to MAC 2312 or take STA 2023 if additional Calculus is not needed for your major.

If you completed Survey or Business Calculus (MAC 2233) then you may consider taking MAC 2311, as this course is considered more competitive by health professional schools or if you wish you may take MAC 2234 if required for your major.

- 1) If you choose to complete MAC 2311, then you must take the Calculus Readiness Assessment and place into MAC 2311.