Threading a path through pre-medical expectations

7/8/16

Vanderbilt University Health Professions Advisory Office (HPAO) - http://as.vanderbilt.edu/hpao/

*The below courses are **RECOMMENDATIONS** for students on the pre-med track and preparing to take the MCAT. Although these courses may meet many of the medical schools' prerequisites, each medical school has its own set of **REQUIRED** courses. Students must familiarize themselves with the required prerequisite courses for their particular medical schools of interest. The schedules listed below are possible options with some flexibility. Students should consult with their school-based adviser and the Health Professions Advisory Office to develop a plan that suits their own strengths, interests, and background.*

Option 1: Fresh Start	*Option 2: Keep AP Calculus credits	*Option 3: Keep AP Chemistry & AP Calculus
1st year: General Chemistry & lab (two semesters) □ CHEM 1601 & 1601L □ CHEM 1602 & 1602L	1st year: General Chemistry & lab (two semesters) □ CHEM 1601 & 1601L □ CHEM 1602 & 1602L	
2nd year: Organic Chemistry & lab (two semesters) □ CHEM 2221 & 2221L □ CHEM 2222 & 2222L	2nd year: Organic Chemistry & lab (two semesters) □ CHEM 2221 & 2221L □ CHEM 2222 & 2222L	1st year: Organic Chemistry & lab (two semesters) □ CHEM 2211 & 2221L □ CHEM 2212 & 2222L
2nd year: Calculus (one semester) □ MATH 1200,1201, 1300, 1301, 2200, 2300	2nd year: **Statistics (one semester) □ MATH 1010, 1011, 2820, ECON 1500, PSY 2100, PSY-PC 2110, 2120, SOC 2100	2nd year: **Statistics (one semester) □ MATH 1010, 1011, 2820, ECON 1500, PSY 2100, PSY-PC 2110, 2120, SOC 2100
2nd year: Biology & lab (two semesters) □ BSCI 1510 & 1510L □ BSCI 1511 & 1511L or 1511 & 1512L	2nd year: Biology & lab (two semesters) □ BSCI 1510 & 1510L □ BSCI 1511 & 1511L or 1511 & 1512L	2nd year: Biology & lab (two semesters) □ BSCI 1510 & 1510L □ BSCI 1511 & 1511L or 1511 & 1512L
3rd year: Biochemistry (one semester) □ BSCI 2520	3rd year: Biochemistry (one semester) □ BSCI 2520	3rd year: Biochemistry (one semester) □ BSCI 2520
3rd year: Physics & lab (two semesters) □ PHYS 1501 & 1501L and 1502 & 1502L (Life Sci) OR □ PHYS 1601 & 1601L and 1602 & 1602L (Engin) OR □ PHYS 1901 & 1902 (Physics Major)	3rd year: Physics & lab (two semesters) □ PHYS 1501 & 1501L and 1502 & 1502L (Life Sci) OR □ PHYS 1601 & 1601L and 1602 & 1602L (Engin) OR □ PHYS 1901 & 1902 (Physics Major)	3rd year: Physics & lab (two semesters) □ PHYS 1501 & 1501L and 1502 & 1502L (Life Sci) OR □ PHYS 1601 & 1601L and 1602 & 1602L (Engin) OR □ PHYS 1901 & 1902 (Physics Major)
Social & Behavioral Sciences (two semesters) □ PSY 1200 AND SOC 1010	Social & Behavioral Sciences (two semesters) □ PSY 1200 AND SOC 1010	Social & Behavioral Sciences (two semesters) □ PSY 1200 AND SOC 1010
**Statistics (one semester) □ MATH 1010, 1011, 2820, ECON 1500, PSY 2100, PSY-PC 2110, 2120, SOC 2100		*Recommended: an additional upper-level science course(s)*
□□ English and/or writing courses (2 semesters expected by many schools)	□□ English and/or writing courses (2 semesters expected by many schools)	□□ English and/or writing courses (2 semesters expected by many schools)
Note: As a general rule, the University recommends that a first-year student take a range of courses rather than loading up on pre-medical coursework. A writing course or work in the student's major or anticipated major will complement any pre-med work in that first year.		

* If a medical school does not accept AP credit, upper division courses may be needed to meet requirements.

** Some medical schools require Statistics courses to be taken in the Math Department.