**UCSB Mathematics and Statistics for Pre-health Students--Revised**

Most medical schools and many other health professions schools expect students to demonstrate quantitative skills, including familiarity with calculus and statistics. How many and in which math and stats course students should enroll depends on a number of factors including students’ interests and majors as well as whether they have AP credit and how schools view AP credit. The following are the Letters and Science Pre-health advisors’ “conservative” recommendations that that should allow students to meet or exceed schools’ expectations in most cases. We invite you to meet with us to discuss these and other options for meeting the requirements.

Mathematics

If you do not have credit for AP Calculus, are not considering a highly quantitative major (Math, Stats, Biochem, Chem, Physics, etc.) and don’t want to take more math than you have to:

*Plan on taking Math 34A and Math 34B.*

If you do not have credit for AP Calculus and are considering a highly quantitative major, are considering optometry as a career, or just like math and want to continue taking math courses beyond the minimum:

*Plan on taking at least Math 3A (or 2A) and Math 3B (or 2B).*

If you have credit for AP Calculus AB and are not considering a highly quantitative major and don’t want to take more math than you have to:

*Plan on taking Math 34B (2B or 3B are OK).*

If you have credit for AP Calculus AB and are considering a highly quantitative major, are considering optometry as a career, or if you might want to continue taking math courses:

*Plan on taking at least Math 3B.*

If you have credit for AP Calculus BC:

*Plan on taking at least Math 4A (This is our “conservative” recommendation: having at least one calculus course or one course with calculus as a pre-requisite on a college transcript is advisable.)*

Statistics

If you do not have credit for AP Statistics:

*Plan on taking PSTAT 5A or 5LS.*

If you do have credit for AP Statistics:

*You probably should take PSTAT 5A or 5LS for “study list” credit,\* particularly if you are not planning on doing more than one math course or are not pursuing a major that will require another statistics course.*

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\*Some departments will allow students who already have credit for a course to take it for “study list credit”: while students will not get additional credit for the course and the grade isn’t factored into their UC GPA, the grade shows up on their transcript which satisfies most professional schools’ requirements. Students with AP credit for Stats who are majoring in Biopsychology, Psychology and Brain Science, Economics, and some other majors will do other statistics courses and will not need to enroll in PSTAT 5A/LS. Please see a Letters and Science advisor in 1117 Cheadle Hall about the process for arranging study list credit.