

## Bachelor of Arts: Biology - Biomedical Emphasis Possible Plan of Study (MCAT Prep; No Gap Year)

Year 1 - Freshman Year		Year 1 - Freshman Year	
<b>BIOL 2051 Gen Bio: Organismal Diversity</b> (or 2052)	4	<b>BIOL 2052 Gen Bio: Cell Structure &amp; Function</b> (or 2051)	4
<b>CHEM 1110 General Chemistry I*</b> (or CHEM 1130 Chemistry I-II)	4	<b>CHEM 1120 General Chemistry II</b>	4
Liberal Arts Core	3	<b>MATH 1140 - Precalculus (or other major math course)*</b>	4
Liberal Arts Core	3	<i>Liberal Arts Core 5B - PSYCH 1001 Intro to Psychology</i>	3
<b>*Based on ALEKS Score</b>			
TOTAL HOURS =		TOTAL HOURS =	
	14		15
Year 2 - Sophomore Year		Year 2 - Sophomore Year	
<b>BIOL 3140 Genetics</b> (or 3100)	4	<b>BIOL 3100 Evolution, Ecology &amp; Nature of Science</b> (or 3140)	3
<b>BIOL 3101 Anatomy &amp; Physiology I</b> (or BIOL 3106 Vertebrate Anatomy)	4	<b>BIOL 3102 Anatomy and Physiology II</b>	4
<b>CHEM 2210 Organic Chemistry I</b>	3	<b>CHEM 2220 Organic Chemistry II</b>	3
<i>Liberal Arts Core 5A - SOC 1000 Intro to Sociology</i>	3	<b>CHEM 2230 Organic Chemistry Lab</b>	2
		<i>PH 2160 Medical Terminology</i>	2
TOTAL HOURS =		TOTAL HOURS =	
	14		14
Year 3 - Junior Year		Year 3 - Junior Year	
<b>PHYSICS 1511 General Physics I</b>	4	<b>PHYSICS 1512 General Physics II</b>	4
<i>CHEM 4510 Biochemistry I</i>	3	<b>BIOL 3- or 4000-level Elective</b> (suggest BIOL 3151 Gen Micro)	4
<i>STATS 1772 Introduction to Statistics (satisfies LAC 1C)</i>	3	<b>BIOL 4000-level Elective</b> (suggest BIOL 4128 Cell Biology)	4
Liberal Arts Core (suggest 1D)	2	<i>University/Chem Elective (suggest CHEM 4520 Biochemistry II)</i>	3
University Elective	5	<i>*possibly also consider Biochemistry lab CHEM 4530 this semester or next year</i>	
TOTAL HOURS =		TOTAL HOURS =	
	17		15
<b>Students not intending to take a gap year should take the MCAT and begin applying to medical schools, toward the end of junior year/summer before senior year.</b>			
Year 4 - Senior Year		Year 4 - Senior Year	
<b><i>BIOL 4000-level Elective</i></b> (suggest BIOL 4150 Immunology)	4	CHEM Elective (consider taking to earn a chemistry minor if not already)	4
Liberal Arts Core	3	Liberal Arts Core	3
Liberal Arts Core	3	Liberal Arts Core	3
Liberal Arts Core	3	Liberal Arts Core (Capstone)	2
University Elective	3	University Elective	3
TOTAL HOURS =		TOTAL HOURS =	
	16		15

**GRAND TOTAL HOURS = 120**

1. This is a tentative long-term plan that is not meant to replace your official advisement requirements report found on myUNiverse.
2. UNI biology majors must have a UNI cumulative and a UNI major GPA of 2.0 or higher, with a grade of C- (1.67) or higher in major courses.
3. University Policies & Procedures can be found online: [www.uni.edu/catalog](http://www.uni.edu/catalog)
4. After earning 85+ credits, contact the Biology Record Analyst to discuss graduation.
5. It is highly recommended that students on this track obtain scientific research experience. Students are encouraged to actively discuss research opportunities with faculty.
7. For students planning to apply for admissions to programs that utilize the MCAT, DAT, or other high stakes admissions tests, relevant coursework needs to be completed before the exam. For those who plan to take these exams at the end of the Junior year, a heavy and carefully planned course load is required during the first three years of study. Students able to take more time and complete these exams after senior year can plan a load with more balance of science work over a 4-year degree, but will need a gap year between the BA and the professional college.