

“Recommended” Four-year plan for completing the MCDB major

First Year		Sophomore Year	
Fall Semester		Fall Semester	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
Intro MCDB (MCDB 1150 or MCDB 1111)	3	Molecular & Cellular Bio 1(MCDB 3135)	3
MCDB 2 credit hour lab*	2	Cell Bio lab (MCDB 3140)***	2
Coseminar (MCDB 1152- recommended)	1	Organic Chemistry 1 (CHEM 3311&3321)	5
General Chemistry 1 (CHEM 1113&1114)**	5	A&S GE Arts & Humanities	3
A&S GE Lower Division Writing	3	Elective	3
Spring Semester		Spring Semester	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
Genetics (MCDB 2150 or MCDB 2222)	3	Molecular & Cellular Bio 2 (MCDB 3145)	3
Coseminar (MCDB 2152- recommended)	1	Statistics OR Calculus	3-5
General Chemistry 2 (CHEM 1133&1134)	5	A&S GE Arts & Humanities	3
A&S GE Social Science	3	Elective	3
Elective	3	Elective (only needed if taking stats)	3
Yearly Total	29	Yearly Total	31-33
Junior Year		Senior Year	
Fall Semester		Fall Semester	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
Upper Division MCDB Elective	3	MCDB Capstone	3
Biochemistry (BCHM 4611)	3	A&S GE Upper Division Writing	3
A&S GE Arts & Humanities	3	A&S GE Arts & Humanities	3
A&S GE Social Science	3	A&S GE Social Science	3
Upper Division Elective	3	Upper Division Elective	3
Spring Semester		Spring Semester	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
Upper Division MCDB Elective	3	Upper Division MCDB Elective	3
Developmental Biology (MCDB 4650)	3	MCDB Scientific Reasoning	3
A&S GE Social Science	3	Elective	3
Elective	3	Elective	3
Upper Division Elective	3	Elective	3
Yearly Total	30	Yearly Total	30
<p>* MCDB 2 credit hour labs - MCDB majors are required to take one of the 2 credit hour research-based labs. It can be taken with either MCDB 1150 or MCDB 2150. See degree audit for course options</p> <p>** Preparatory course for General Chemistry 1-If student has not had chemistry, struggled in chemistry, or has not taken chemistry in a while are recommended to take Intro Chemistry (Chem 1021) before Chem 1113&1114.</p> <p>*** MCDB 3140 can be taken with either MCDB 3135 or MCDB 3145</p> <p>Students double majoring with CHEM or BCHM should talk to a MCDB advisor</p> <p>MCDB Electives (8 credit hours) See degree audit for a list of courses that can count.</p> <p>This is a sample plan. We recommend you work with your academic advisor to craft a personalized plan that best meets your graduation and career goals.</p>		<p>General Education (GE) and MAPS Considerations</p> <ul style="list-style-type: none"> - This plan assumes you do not have any foreign language or MAPS deficiencies. If those requirements have not yet been met, coursework needed to meet those requirements can count toward the elective hours needed to graduate. - The Natural Science Gen Ed requirement is covered by the MCDB major. - This plan assumes you will meet the A&S GE global and US diversity requirements with your Arts and Humanities or Social Sciences GE coursework. - Depending on your stats/calculus choice a math course may be needed to meet the GE QRMS <p>Health Professions Advisors: Students who plan to pursue a health career or graduate school may need additional courses. We recommend students work with Health Professions advisors and check the prerequisites of programs they plan to attend to ensure they are adequately prepared.</p>	