

Prehealth

Mathematics Majors

Requirements and Prerequisites:

<i>Requirement</i>	<i>Prerequisites¹</i>
V23.0011 Principles of Biology I	V25.0101 recommended
V23.0012 Principles of Biology II	V23.0011 or permission
V25.0101 General Chemistry I	V63.0009
V25.0103 General Chemistry I Lab.	V25.0101 (pre- or corequisite)
V25.0102 General Chemistry II	V25.0101 (grade of "C" or better)
V25.0104 General Chemistry II Lab.	V25.0103, V25.0102 (pre- or corequisite)
V25.0243 Organic Chemistry I	V25.0102/4 (grades of "C" or better)
V25.0245 Organic Chemistry Lab. I	V25.0243 pre- or corequisite
V25.0244 Organic Chemistry II	V25.0243 (grade of "C" or better)
V25.0246 Organic Chemistry Lab.	V25.0245, V25.0244 pre- or corequisite
V85.0011 General Physics I	V63.0121
V85.0012 General Physics II	V85.0011 (grade of "C-" or better)
V63.0121 Calculus I	V63.0009 or permission
V63.0122 Calculus II	V63.0121
V63.0123 Calculus III	V63.0122
V63.0125 Advanced Calculus I or V63.0143 Algebra I	
Six additional 4-point courses numbered V63.0030 or higher	
One year of English	

¹This is a somewhat abbreviated description of the prerequisites for these courses. For the latest and most detailed information you should refer to the College of Arts and Science Bulletin.

Recommended First Year Program:

V25.0101 General Chemistry I	4	V25.0102 General Chemistry II	4
V25.0103 General Chem. I Lab.	2	V25.0104 General Chem. II Lab.	2
V55.xxxx MAP: FCC I	4	V55.xxxx MAP: FCC II	4
Elective	4	V40.0100 Writing the Essay	4
V63.0121 Calculus I	4	V63.0122 Calculus II	4

Recommended Four-Year Program:

First Year

V25.0101	General Chemistry I	4	V25.0102	General Chemistry II	4
V25.0103	General Chem. I Lab.	2	V25.0104	General Chem. II Lab.	2
V55.xxxx	MAP: FCC I	4	V55.xxxx	MAP: FCC II	4
V63.0121	Calculus I ¹	4	V63.0122	Calculus II ¹	4
	Elective ^{2,3}	4	V40.0100	Writing the Essay	4

Second Year

V55.xxxx	MAP: FCC III	4	V55.xxxx	MAP: FCC IV	4
V85.0011	General Physics I ^{4,5}	5	V85.0012	General Physics II ^{4,5}	5
V63.0123	Calculus III ¹	4	V63.xxxx	Mathematics Elective	4
	Foreign Language I ^{5,6}	4		Foreign Language II ^{5,6}	4

Third Year

V23.0011	Principles of Biology I ⁵	4	V23.0012	Principles of Biology II ⁵	4
V25.0243	Organic Chemistry I ⁵	4	V25.0244	Organic Chemistry II ⁵	4
V25.0245	Organic Chem. Lab. I ^{5,7}	2	V25.0246	Organic Chem. Lab. II ^{5,7}	2
	Foreign Language III ^{5,6}	4		Foreign Language IV ^{5,6}	4
V63.xxxx	Mathematics Elective	4	V63.xxxx	Mathematics Elective	4

Fourth Year

V63.xxxx	Mathematics Elective	4	V63.xxxx	Mathematics Elective	4
V63.xxxx	Mathematics Elective	4	V63.xxxx	Mathematics Elective	4
	Elective	4		Elective	4
	Elective	4		Elective	4

Comments:

¹You may elect to replace the three four-point sequence of Calculus I, II and III with the two six-point sequence of Intensive Calculus I and II. Some minor adjustments would be required in the remainder of your program in order to stay within the required 12 - 18 points per semester.

²Prehealth mathematics majors who are required to take a Freshman Seminar may substitute their Seminar for the Elective in their first semester.

³In this scheme, you should use "Electives" to complete your English requirement and to explore and complete your major.

⁴Mathematics majors who are prehealth students may count V85.0011 and V85.0012 each as one course towards their major course requirement.

⁵The sequence of the courses for Biology, Foreign Language, Physics and Organic Chemistry may be interchanged at your discretion. The sequence given here, however, is the one preferred by most students.

⁶You may prefer to take two *intensive* language courses (6 points each) rather than four 4-point courses.

Comments (continued):

Whereas General Chemistry I and II *must* be accompanied by the corresponding laboratory courses, the Organic Lab. course may be taken either with or *after* the lecture course. A student who is having some difficulty with the sciences may find it advantageous to defer the laboratory until a later date. A solid grounding in the theory of organic chemistry will make for a far better understanding of the subject by the time the laboratory is completed.