

Sample Premedical Schedule:

Molecular Biology Major

4-Year Option – Glide Year (Premed Courses Bolded)

Year	Fall	Spring	Credits
1	CHEM 121 + 123 BIOL 115 MLL	CHEM 124 + 126 BIOL 116 MLL	4.0
2	BIOL 263 ADV BIOL BIO 109 MATH ENGL	CHEM 231 + 233 BIOL 110 MATH ENGL	4.5
3	CHEM 232 + 234 ADV BIOL Lab (264) Social Science Fine Art	CHEM 256 ADV BIOL Social Science Elective	4.0
4	PHYS + Lab ADV CHEM (335) ADV CHEM/BIOL Lab Elective	PHYS + Lab ADV CHEM/BIOL Lab Fine Art Elective	4.0 MCAT

Degree Audit:

Major - Yes – Molecular Biology

Credits Total (16) – 16.50

Credits Outside Major Department (9 or 7) – 8.5 (if electives are not CHEM or BIOL classes)

Distribution (1.0 in each, FA, HU, SS, NS) - Yes

Foreign Language – Yes

QR - Yes

Notes: This schedule assumes that the student needs to meet the language requirement. If they have met that requirement, additional electives would take their place. This schedule also assumes that the student did not have an AP 4/5 in Biology. If they did have an AP 4/5 in biology they could start with BIOL 116 and select another relevant biology course to satisfy premed requirements and prepare for the MCAT.

Sample Premedical Schedule:

Molecular Biology Major (Required Courses for major in red)

3-Year Option – No Glide Year (Premed Courses Bolded)

Year	Fall	Spring	Credits
1	CHEM 122 + 123 BIOL 115 +109 ENGL	CHEM 231 + 233 BIOL 116 + 110 ENGL	4.0
2	CHEM 232 + 234 BIOL 263 ADV BIOL Lab (264) MATH	CHEM 256 ADV BIOL Lecture MATH Social Science	4.0
3	ADV CHEM (335) ADV BIOL Lecture PHYS + Lab Social Science	PHYS + Lab Fine Art Elective Elective	4.50 MCAT
4	ADV BIOL/CHEM Lab Fine Art Elective Elective Elective	ADV BIOL/CHEM Lab Elective Elective Elective	4.25

Degree Audit:

Major - Yes – Molecular Biology

Credits Total (16) – 16.75

Credits Outside Major Department (9 or 7) – 9.5 (if electives are not CHEM or BIOL classes)

Distribution (1.0 in each, FA, HU, SS, NS) - Yes

Foreign Language – No (assume student is proficient on arrival)

QR - Yes

Notes: This schedule assumes that the student does not need to meet the language requirement. This schedule also assumes that the student did not have an AP 4/5 in Biology. If they did have an AP 4/5 in biology they could start with BIOL 116 and select another relevant biology course to satisfy premed requirements and prepare for the MCAT. This schedule assumes that the student enters Kenyon with a Chemistry AP score of 4/5 or is qualified to enter CHEM 122 and given permission by the instructor.

Descriptive Suggestions for Molecular Biology Majors

- Because behavioral science is covered on the MCAT, selecting appropriate sociology and psychology courses is recommended. (See the [Guide to Pre-Health Courses at Kenyon \(PDF\)](#) for a current list of appropriate courses.)
- The Scientific Inquiry and Reasoning Skills section of the MCAT requires students to both demonstrate their knowledge and facility with concepts and principles with which they should be familiar and to interpret data/patterns in data presented on the exam that will likely be unfamiliar. Good classes to prepare for this section involve engagement with and analysis of data presented in the primary literature. Many advanced science courses would be helpful to prepare for this section including the following biology courses: BIOL 238, BIOL 243, BIOL 255, BIOL 255, BIOL 263, and BIOL 266.
- MATH 112 is strongly suggested prior to enrolling in CHEM 335.