

Typical Pre-Med Four-Year Plan of Study



MCB

ILLINOIS

School of Molecular
& Cellular Biology

COLLEGE OF LIBERAL ARTS & SCIENCES

Advising
Program

(217) 333-6774 | advising@mcb.illinois.edu | mcb.illinois.edu/undergrad/advising

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This plan is to be used only as a guideline. There are many factors that may affect the sequence and timing of courses. Course selections are best made in consultation with an MCB Advisor. For an appointment call (217) 333-6774, or use our online scheduling system at <http://go.illinois.edu/mcbappt>.

FRESHMAN YEAR	
SEMESTER 1	SEMESTER 2
<p>Intro Biology: MCB 150 or IB 150 (4 hrs) Chemistry: Begin gen CHEM sequence per placement(3-5 hrs) Math/Stat: Begin MATH sequence per placement* (3-5 hrs) or Composition I: RHET, CMN, ESL or equiv. (3-4 hrs) First Year Enrichment Course: LAS 101 or 122 (1 hr) Options: Language, Gen Ed.**, or Elective (0-5 hrs) TOTAL CREDIT HOURS: 14-16</p>	<p>Intro Biology: MCB 150 or IB 150 (4 hrs) Chemistry: Continue general CHEM sequence(4 hrs) Math/Stat: Begin MATH sequence per placement* (3-5 hrs) or Composition I: RHET, CMN, ESL or equiv. (3-4 hrs) Options: Language, Gen Ed.**, or Elective (0-5 hrs) TOTAL CREDIT HOURS: 14-16</p>
SOPHOMORE YEAR	
SEMESTER 3	SEMESTER 4
<p>Molecular Genetics & Lab: MCB 250 & MCB 251 (5 hrs)*** Chemistry: Finish general CHEM or begin organic CHEM (4-6 hrs) Choose 1-2 of the following: (1-6 hrs)</p> <ul style="list-style-type: none"> • Math/Stat: Begin or continue if necessary* • Language: Begin or continue, if necessary • Research: MCB 290 • General Education Course** • Elective <p>TOTAL CREDIT HOURS: 14-16</p>	<p>Cells, Tissues & Develop. & Lab: MCB 252 & MCB 253 (5 hrs) Chemistry: Finish organic CHEM, if necessary (2-6 hrs) or Physics: PHYS 101 or 211, if CHEM complete (4-5 hrs) or Advanced MCB course: See approved list**** (1-4 hrs) Choose 1-2 of the following: (1-6 hrs)</p> <ul style="list-style-type: none"> • Language: Begin or continue, if necessary • Research: MCB 290 • General Education Course** • Elective <p>TOTAL CREDIT HOURS: 14-16</p>
JUNIOR YEAR	
SEMESTER 5	SEMESTER 6
<p>Biochemistry: MCB 354 (3 hrs) Physics: Begin or continue PHYS sequence (4-5 hrs) Choose 2-3 of the following: (5-9 hrs)</p> <ul style="list-style-type: none"> • General Education Course** • Anatomy & Physiology: MCB 244 and/or MCB 245 • Research: MCB 290 • Elective course <p>TOTAL CREDIT HOURS: 14-18</p>	<p>Advanced MCB course or lab: See approved list**** (1-4 hrs) Physics: Continue PHYS sequence, if necessary (4-5 hrs) Choose 2-3 of the following: (5-9 hrs)</p> <ul style="list-style-type: none"> • General Education Course** • Anatomy & Physiology: MCB 246 and/or MCB 247 • Research: MCB 290 • Elective course <p>TOTAL CREDIT HOURS: 14-18</p>
SENIOR YEAR	
SEMESTER 7	SEMESTER 8
<p>2 Advanced MCB courses or lab: See approved list**** (5-8 hrs) Choose 2-3 of the following: (6-9 hrs)</p> <ul style="list-style-type: none"> • General Education Course** • Anatomy & Physiology: MCB 244 and/or MCB 245 • Research: MCB 290 • Elective course <p>TOTAL CREDIT HOURS: 14-16</p>	<p>2 Advanced MCB courses or lab: See approved list**** (5-8 hrs) Choose 2-3 of the following: (6-9 hrs)</p> <ul style="list-style-type: none"> • General Education Course** • Anatomy & Physiology: MCB 246 and/or MCB 247 • Research or Senior Thesis: MCB 290 or 492 • Elective course <p>TOTAL CREDIT HOURS: 14-16</p>

* Statistics is highly recommended to prepare for the MCAT and medical school.

** At least one course in psychology and sociology should be taken. Three social/behavioral science courses are recommended.

*** General Chemistry 1 and 2 lectures (CHEM 102 and CHEM 104) must be completed before beginning MCB 250.

**** Approved advanced courses can be found at <http://mcb.illinois.edu/undergrad/courses/advanced/>. Courses that may be of particular interest to pre-med students include, but are not limited to, cell biology, immunology, microbiology, neurobiology, pathology and physiology.