



School of

# Molecular and Cellular Biology

[mcb.illinois.edu/undergrad/advising](http://mcb.illinois.edu/undergrad/advising)

University of Illinois, Urbana-Champaign



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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, visit 127 Burrill Hall, call (217) 333-6774 or use our online scheduling system at <https://mcb-uiucbioadvising.youcanbook.me/>.

FRESHMAN YEAR	
SEMESTER 1	SEMESTER 2
Intro Biology: MCB 150 or IB 150 (4 hrs) Chemistry: Begin general CHEM sequence per placement(3–5 hrs) Math: 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	Intro Biology: MCB 150 or IB 150 (4 hrs) Chemistry: Continue general CHEM sequence( 4 hrs) Math: 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
SOPHOMORE YEAR	
SEMESTER 3	SEMESTER 4
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) <ul style="list-style-type: none"> <li>• Math: Begin or continue if necessary*</li> <li>• Language: Begin or continue, if necessary</li> <li>• Research: MCB 290</li> <li>• Anatomy &amp; Physio: MCB 244 and/or MCB 245</li> <li>• General Education Course**</li> <li>• Elective</li> </ul> TOTAL CREDIT HOURS: 14–16	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) Choose 1–2 of the following: (1–6 hrs) <ul style="list-style-type: none"> <li>• Language: Begin or continue, if necessary</li> <li>• Research: MCB 290</li> <li>• Anatomy &amp; Physio: MCB 246 and/or MCB 247</li> <li>• General Education Course**</li> <li>• Elective</li> </ul> TOTAL CREDIT HOURS: 14–16
JUNIOR YEAR	
SEMESTER 5	SEMESTER 6
Biochemistry: MCB 354 (3 hrs) Physics: Begin or continue PHYS sequence (4–5 hrs) Choose 2–3 of the following: (5–9 hrs) <ul style="list-style-type: none"> <li>• General Education Course**</li> <li>• Anatomy &amp; Physio: MCB 244 and/or MCB 245</li> <li>• Research: MCB 290</li> <li>• Elective course</li> </ul> TOTAL CREDIT HOURS: 14–18	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) <ul style="list-style-type: none"> <li>• General Education Course**</li> <li>• Anatomy &amp; Physio: MCB 246 and/or MCB 247</li> <li>• Research: MCB 290</li> <li>• Elective course</li> </ul> TOTAL CREDIT HOURS: 14–18
SENIOR YEAR	
SEMESTER 7	SEMESTER 8
2 Advanced MCB courses or lab: See approved list**** (5–8 hrs) Choose 2–3 of the following: (6–9 hrs) <ul style="list-style-type: none"> <li>• General Education Course**</li> <li>• Research: MCB 290</li> <li>• Elective course</li> </ul> TOTAL CREDIT HOURS: 14–16	2 Advanced MCB courses or lab: See approved list**** (5–8 hrs) Choose 2–3 of the following: (6–9 hrs) <ul style="list-style-type: none"> <li>• General Education Course**</li> <li>• Advanced Composition Course</li> <li>• Research or Senior Thesis: MCB 290 or 492</li> <li>• Elective course</li> </ul> TOTAL CREDIT HOURS: 14–16

\* 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.