

SUGGESTED

Road Map for Cell and Molecular Biology BS 2016–2018

This road map is designed for 8 semesters and does not require AP credit or summer school to complete. These are only recommendations and your results may vary!

Freshman Year

FALL

- ▶ BIO 311C
- ▶ CH 301
- ▶ M 408C OR M 408N
- ▶ UGS 302 OR 303
- ▶ CORE

SPRING

- ▶ BIO 311D
- ▶ CH 302
- ▶ CH 204
- ▶ SDS 328M (OR NEXT SEMESTER CALCULUS)
- ▶ CORE

TIPS FOR YEAR 1

- ✓ Try the Freshman Research Initiative to find out about research.
- ✓ Take RHE 306 and VAPA as your core classes in your first year.
- ✓ CH 204 is preferred over CH 317. In FRI, select CH 204 for credit. Focus on completing entry-level requirements by the end of the first semester of sophomore year. txsci.net/entry-level-reqs
- ✓ Meet and work with your advisor to complete entry-level requirements.
- ✓ Pre-Health Professions? Attend a Pre-Health Professions Information Session in the Fall. Sign up for HPO info listserv to hear about events and important announcements. cns.utexas.edu/health-professions

TIPS FOR SUMMER AFTER YEAR 1

- ✓ Take BIO206L—required for all upper division lab courses
- ✓ Take core or BFP course(s).
- ✓ Take PHY 317K & 117M to get a head start.

Go to Health Professions Office

Sophomore Year

FALL

- ▶ CH 320M
- ▶ PHY 317K & 117M
- ▶ BIO 325
- ▶ BIO326R
- ▶ CORE

SPRING

- ▶ BCH369 or BCH339F*
- ▶ PHY 317L & 117N
- ▶ BIO 370
- ▶ BIO 206L
- ▶ CORE

TIPS FOR YEAR 2

- ✓ Continue to do research in FRI or a faculty member's lab (BIO377).
- ✓ Consider departmental honors, cns.utexas.edu/honors/academic-distinction/departmental-honors
- ✓ Take E 316L, M, N or P, and SOC SCI as your core classes your second year. (Pre-med students take PSY 301, SOC 302 to prep for MCAT.)
- ✓ *BCH 369 or BCH 339F prepare for MCAT. If you have any question about changing to a biochemistry major, take BCH 339F. *BCH 339F is required for all upper division BCH courses, such as BCH 339N (additional pre-req of SDS 328M and CS 303E).
- ✓ BIO 325 is a prerequisite for all upper-division biology courses.
- ✓ Good option course for sophomores in the spring is: CH 320N/220NC (second organic chemistry)
- ✓ Many health professions schools (Medical, Dental, Pharmacy, and others) require CH 320N and CH 220C.
- ✓ Complete entry-level requirements and get promoted to upper division advising center.
- ✓ Go see your new upper-division BIO advisor to be sure you are on track!
- ✓ Thinking about study abroad? Go see a Study Abroad advisor about going abroad. Then speak with your assigned advisor about how to have study abroad courses accepted for your degree. cns.utexas.edu/international-study
- ✓ Thinking about Health Professions? Go to the HPO for information and guidance. cns.utexas.edu/health-professions
- ✓ Visit CNS Career Services for information on careers in industry. cns.utexas.edu/career-services

TIPS FOR SUMMER AFTER YEAR 2

- ✓ Take core or BFP course(s).

SELECT CORE CLASSES & MORE

PICK 1 CORE CLASS EACH SEMESTER, OR TAKE SUMMER CLASSES OR TESTS TO PLACE OUT OF THEM.

(Pre-health professions students should take English, Rhetoric/Writing, and Social/Behavioral Sciences at UT Austin or at another 4-year school.)

You will need credit for: Two GOV classes (3 Hrs and 3 Hrs) Soc Sci Two HIS classes (315K and 315L) E 316L, M, N or P VAPA RHE 306

IF YOU ARE COMPLETING THE BUSINESS FOUNDATIONS MINOR, YOU ALSO NEED TO TAKE:

MIS 302F ACC 310F FIN 320F LEB 320F MAN 320F MKT 320F

◇ option courses are either for certificate, minor, or to fulfill 18 hr. of upper-division courses



Junior Year

FALL

- ▶ BIO 326R
- ▶ BIO 344 OR 350M
- ▶ BIO 320L, 325L, 331L OR 349L
- ▶ OPTION COURSE 1 ◊
- ▶ CORE

SPRING

- ▶ BIO 349
- ▶ BIO – any upper division lab*
- ▶ BIO 320
- ▶ OPTION COURSE 2 ◊
- ▶ CORE

TIPS FOR YEAR 3

- ✓ See BIO advisors to review graduation plan and discuss departmental honors.
- ✓ Visit the HPO for pre-health professions coaching on applying to professional schools.
- ✓ Visit CNS Career Services for career coaching.
- ✓ Take the MCAT or GRE if you need to.
- ✓ Continue doing research, either in your FRI stream or a faculty member's lab (BIO 377).
- ✓ Take GOV or HIS 315K/L for your core classes in your third year.
- ✓ Good option courses for juniors are: BIO 336 (tumor bio), BIO 327G (genomics), BIO 327E (epigenetics), BIO 330 (virology), BIO 349L (dev bio lab) – FALL ONLY OF ODD YEARS, BIO 360K (immunology), BIO 361 (infectious disease), BIO 328 (plant phys), BIO 354C (human birth defects), BIO 321G (comp bio), BIO 364 (microbial ecology), SDS 348 (comp bio/bioinf), NEU 330 (intro neurosci), BIO 339 (bacterial metab), BIO 366 (microbial genetics), BIO366R (molecular genetics), BIO 339M (bacterial signal transduction), BCH 339M, N or J, BCH 370 (if you took BCH 339F pre-req for all BCH courses)
- ✓ *suggested upper division BIO labs BIO 328D, 320L, 226L, 325L, 230L, 331L, 349L, 361L

TIP FOR SUMMER AFTER YEAR 3

- ✓ Take core or BFP course(s).

Go to CNS
Career
Services
Office

CAUTION:
Not all courses
are offered
every semester
— Check with
advisors!

Check in
with advisor
and degree
audit

Senior Year

FALL

- ▶ BIO 320L, 325L, 331L or 349L
- ▶ OPTION COURSE 3 ◊
- ▶ OPTION COURSE 4 ◊
- ▶ GENERAL ELECTIVE
- ▶ CORE

SPRING

- ▶ OPTION COURSE 5 ◊
- ▶ OPTION COURSE 6 ◊
- ▶ GENERAL ELECTIVE
- ▶ GENERAL ELECTIVE
- ▶ CORE

TIPS FOR YEAR 4

- ✓ Apply for departmental honors if appropriate.
- ✓ Visit your advisor for a degree audit and information about applying to graduate!
- ✓ Continue doing research, either in your FRI stream or a faculty member's lab (BIO 377).
- ✓ Take GOV or HIS 315K/L for your core classes your fourth year.
- ✓ Good option courses for seniors are: BIO 336 (tumor bio), BIO 327G (genomics), BIO 327E (epigenetics), BIO 330 (virology), BIO 360K (immunology), BIO 361 (infectious disease), BIO 328 (plant phys), BIO 354C (human birth defects), BIO 321G (comp bio), BIO 364 (microbial ecology), SDS 348 (comp bio/bioinf), NEU 330 (intro neurosci), BIO 339 (bacterial metab), BIO 366 (microbial genetics), BIO366R (molecular genetics), BIO 339M (bacterial signal transduction), BCH 339M, N or J, BCH 370 (if you took BCH 339F pre-req for all BCH courses)

Congratulations!
You graduated!

