

SUGGESTED

Road Map for Biochemistry 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
- ▶ M 408D or M 408S
- ▶ 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.
- ✓ CS 303E (or equivalent programming) and SDS 328M are required for BCH 339N—be sure to take these early if you plan to take BCH 339N!
- ✓ Biochemistry majors do NOT need to take BIO 206L: BCH 369L counts toward the pre-med biology lab for the public Texas medical and dental Schools. Check with individual schools for other health professions and for out-of-state requirements.
- ✓ 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 core or BFP course(s).
- ✓ Take PHY 317K & 117M to get a head start.



Sophomore Year

FALL

- ▶ CH 320M
- ▶ PHY 317K & 117M
- ▶ BIO 325
- ▶ OPTION COURSE 1 ◊
- ▶ CORE

SPRING

- ▶ BCH 339F
- ▶ PHY 317L & 117N
- ▶ SDS 328M
- ▶ OPTION COURSE 2 ◊
- ▶ CORE

TIPS FOR YEAR 2

- ✓ Continue to do research in FRI or a faculty member's lab (BCH 369K).
- ✓ 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.)
- ✓ Take the recommended Physics classes: they will make PChem easier down the road and prep for MCAT. BCH 339F also preps for MCAT.
- ✓ BIO 325 is a prerequisite for all upper-division biology courses.
- ✓ Good option courses for sophomores in the spring are: BIO 326R/226L* (micro), CH 320N/220NC (second organic chemistry) or BIO 370 (evolution)
- ✓ Many health professions schools (Medical, Dental, Pharmacy, and others) require CH 320N and CH 220C.
- ✓ CS 303E (or equivalent programming) and SDS 328M are required for BCH 339N—be sure to take these early if you plan to take BCH339N!
- ✓ 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).
- ✓ Take PHY 317L & 117N
- ✓ Take BCH 369L to get a head start.



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

- ▶ BCH 370 or 369L
- ▶ CH 353M or 455
- ▶ GENERAL ELECTIVE
(see tips for year three)
- ▶ OPTION COURSE 3 ◊*
- ▶ CORE

SPRING

- ▶ BCH 369L or 370
- ▶ CH 353M or 455
- ▶ BCH 339J, M or N
- ▶ OPTION COURSE 4 ◊
- ▶ 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 (BCH 369K).
- ✓ Take GOV or HIS 315K/L for your core classes in your third year.
- ✓ CS 303E (or equivalent programming) and SDS328M are required for BCH 339N—be sure to take these early if you plan to take BCH339N!
- ✓ BCH 370 is recommended before taking BCH 339M or at least concurrently.
- ✓ *Taking BIO 344* will make BCH 339 N or J easier.
- ✓ Good option courses for juniors are: BIO 344 (mol bio), BIO 320 (cell bio), BIO 330 (virology), BIO 349L (dev bio lab) – FALL ONLY OF ODD YEARS, BIO 360K (immunology), SDS 348 (comp bio/bioinf, will make BCH 339N easier), BIO 230L (virology lab), BIO 320L (cell bio lab), BIO 349L (dev bio lab), NEU 330 (intro neurosci)

TIP FOR SUMMER AFTER YEAR 3

- ✓ Take core or BFP course(s).
- ✓ Take BCH 369L.

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

- ▶ BCH 339J, M or N
- ▶ OPTION COURSE 5 ◊
- ▶ GENERAL ELECTIVE
- ▶ GENERAL ELECTIVE
- ▶ CORE

SPRING

- ▶ OPTION COURSE 6 ◊
- ▶ GENERAL ELECTIVE
- ▶ 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.
- ✓ Take GOV or HIS 315K/L for your core classes your fourth year.
- ✓ Although taking only three out of these four classes is required, it is HIGHLY recommended that you take all four: BCH 370, 339J, M, and N.
- ✓ Good option courses for seniors are: BCH 364 (astrobiology), BIO 339 (bacterial metabolism), BIO 320 (cell bio), BIO 330 (virology), BIO 360K (immunology), BIO 230L (virology lab), BIO 320L (cell bio lab), BIO 349L (dev bio lab), NEU 330 (intro neurosci)

Congratulations!
You graduated!

