

BIOCHEMISTRY, B.S. (CALS)

FOUR-YEAR PLAN

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SAMPLE BIOCHEMISTRY FOUR-YEAR PLAN

Freshman

Fall	Credits	Spring	Credits
CHEM 103 or 109	4-5	CHEM 104 (if needed)	5
MATH 221	5	MATH 222	4
COMM A or Elective	3	Humanities Course	3
INTER-AG 155 or BIOCHEM 100 ¹	1	Elective	3
13-14		15	

Total Credits 28-29

Sophomore

Fall	Credits	Spring	Credits
CHEM 343	3	CHEM 344	2
ZOOLOGY/BIOLOGY/BOTANY 151 (or BIOCORE 381 & BIOCORE 382)	5	CHEM 345	3
Humanities Course	3	ZOOLOGY/BIOLOGY/BOTANY 152 (or BIOCORE 383 & BIOCORE 384)	5
Social Science Course	3	Ethnic Studies Course	3
14		13	

Total Credits 27

Junior

Fall	Credits	Spring	Credits
BIOCHEM 507 ³	3	BIOCHEM 508	3
PHYSICS 207 or 201	5	PHYSICS 208 or 202	5
Upper-Level Biology for major (or BIOCORE 485 & BIOCORE 487 if needed)		Upper-Level Biology for major (or BIOCORE 587)	
International Studies Course	3	CHEM 327	4
Electives	2-3		
13-14		12	

Total Credits 25-26

Senior

Fall	Credits	Spring	Credits
CHEM 565 or BIOCHEM 551	4	BIOCHEM 551 or CHEM 565	4
BIOCHEM 691 or 681 (if needed) ⁴	2-3	BIOCHEM 692 or 682 (if needed)	2-3

Electives or Remaining Requirements	6-10 Electives or Remaining Requirements	6-10
	12-17	12-17

Total Credits 24-34

1

First-year students interested in exploring the major can enroll in INTER-AG 155 or BIOCHEM 100.

2

BIOCORE sequence requires four lecture courses plus two lab courses. Student may also take ZOOLOGY/BIOLOGY/BOTANY 151 and ZOOLOGY/BIOLOGY/BOTANY 152 plus 6 credits of upper-level Biology instead of BIOCORE.

3

Students must take either: (1) both BIOCHEM 507 and BIOCHEM 508 or (2) BIOCHEM 501 and one additional course in Biochemistry from the 500/600-level electives.

4

Senior Thesis, independent study or work experience in laboratory are recommended, but are not required. However, a Senior Honors Thesis is required to earn Honors in the Major.