BIOCHEMISTRY B.S.: Sample Plan of Study (2023-24 General Bulletin or later)

Freshman Year: Fall		
BIOC 101	Frontiers in Biochemistry	1
BIOL 214	Genes, Evolution and Ecology	3
BIOL 214L	Genes, Evolution and Ecology Laboratory	1
CHEM 105	Principles of Chemistry I	3
or CHEM 111	or Principles of Chemistry for Engineers	
CHEM 113	Principles of Chemistry Laboratory	2
MATH 121	Calculus for Science and Engineering I	4
GER	Academic Inquiry Seminar or Breadth course	3
	Semester total:	17 credit hours
Freshman Year: Spring		
BIOL 215	Cells and Proteins	3
BIOL 215L	Cells and Proteins Laboratory	1
CHEM 106	Principles of Chemistry II	3
or ENGR 145	or Chemistry of Materials	
MATH 122 or MATH 124	Calculus for Science and Engineering II or Calculus II	4
		3
	Semester total:	18 credit hours
Sophomore Year: Fall		
CHEM 223	Introductory Organic Chemistry I	3
or CHEM 323	or Organic Chemistry I	3
CHEM 233	Introductory Organic Chemistry Laboratory I	2
PHYS 122 or PHYS 124	General Physics II or Physics and Frontiers II	4
ENGR 131	Elementary Computer Programming	3
or CSDS 132	or Programming in Java	
GER	Breadth or elective course	3
(BIOC 285)	(Honors Readings in Biochemistry; research honors students only)	(1)
	Semester total:	15 credit hours
Sophomore Year: Spring		
CHEM 224 or CHEM 324	Introductory Organic Chemistry II or Organic Chemistry II	

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Junior Year: Fall

BIOC 307	Introduction to Biochemistry: From Molecules to Medical Science	4
BIOC core or technical elective	BIOC 334 (core course) or approved technical elective course	3
Elective	Elective course	3
GER	(ov)T/TT0 1 Tftc tt ive	