

BACHELOR OF ARTS DEGREE
MAJOR IN BIOCHEMISTRY

Freshman year Credit hours

Fall

MATH 125 Mathematics I (4)

CHEM 105 Principles of Chemistry I (3)

Or

CHEM 111 (4)

BIOL 214 + Lab Genes, Evolution and Ecology (4)

PHED (0)

SAGES First Seminar (4)

Total 15-16

Spring

MATH 126 Mathematics II (4)

CHEM 106 Principles of Chemistry II (3)

Or

ENG 145 (4)

CHEM 113 Principles of Chemistry Laboratory (2)

BIOL 215 + Lab Cells and Proteins (4)

SAGES University Seminar I (3)

PHED (0)

Total 16-17

Sophomore Year

Fall

CHEM 223 Introductory Organic Chemistry I (3)a

CHEM 233 Organic Chemistry Laboratory I (2)

PHYS 115 Introductory Physics I (4)

GER Course (3)

SAGES University Seminar II (3)

Total 15

Spring

CHEM 224 Introductory Organic Chemistry II (3)a

CHEM 234 Organic Chemistry Laboratory II (2)

PHYS 116 Introductory Physics II (4)

GER Course (3)

Elective (3)

Total 15

Junior Year

Fall

CHEM 301 Physical Chemistry I	(3)
BIOC 307 General Biochemistry	(4)
GER Course	(3)
Electives	<u>(6)</u>
Total	16

Spring

BIOC 308 Molecular Biology	(4)
Approved Technical Elective	(3)
BIOC 391 Research	(3)
GER Course	(3)
Electives	<u>(3)</u>
Total	16

Senior Year

Fall

BIOC 373 Biochemistry SAGES	(3)
BIOC 391 Research	(3)
Approved Biochemistry or Technical Elective	(3)b
Electives	<u>(6)</u>
Total	15

Spring

BIOC 393 Biochemistry Capstone	(3)
Approved Biochemistry or Technical Elective	(3)b
Electives	<u>(6-9)</u>
Total	12-15

Total Hours required for graduation: 120

- a. Selected students may be invited to take CHEM 323, 324.
- b. One of the approved electives in Biochemistry must be either BIOC 312 or 334.

NOTE: Up to three credit hours of undergraduate research, BIOC 391 may be counted as an elective toward graduation. Students should consult their academic advisors about the elective parts of the curriculum.