

## MAJOR IN BIOCHEMISTRY

This program is for students preparing for careers in biochemistry and anticipates further education at the graduate level.

NAME \_\_\_\_\_ ID No. \_\_\_\_\_ Date \_\_\_\_\_

<u>First Semester</u>	<u>S.H.</u>	<u>Grade</u>	<u>Second Semester</u>	<u>S.H.</u>	<u>Grade</u>
<b><u>Freshman Year</u></b>					
BIOL 111 Basic Biology	4.0	_____	BIOL 201 Cell/Molecular	4.0	_____
CHEM 111 Gen. Chem. I	4.0	_____	CHEM 113 Gen. Chem. II	4.0	_____
MATH 122 Calculus I	4.0	_____	MATH 223 Calculus II	4.0	_____
ENGL 100 English Fund.	3.0	_____	ENGL 101 Academic Writing	3.0	_____
CUC 100 Connections	0.5	_____	CUC 100 Connections	<u>0.5</u>	_____
CUFS 100 Freshman Seminar	<u>1.0</u>	_____		15.5	_____
	16.5				
<b><u>Sophomore Year</u></b>					
CHEM 227 Organic I	4.0	_____	CHEM 228 Organic II	4.0	_____
CHEM 215 Quant. Analysis	4.0	_____	Biochemistry Elective <sup>1</sup>	4.0	_____
ENGL 102 Acad. Writing & Lit.	3.0	_____	ENGL 2__ Literature	3.0	_____
HIST 111 or 112 Western Civ.	3.0	_____	GCC Humanities Elective <sup>2</sup>	3.0	_____
PE 185 Lifetime Wellness	2.0	_____	Foreign Language 102	3.0	_____
CUC 200 Connections	<u>0.5</u>	_____	CUC 200 Connections	<u>0.5</u>	_____
	16.5			17.5	
<b><u>Junior Year</u></b>					
PHYS 251 Physics I (w/calc)	4.0	_____	PHYS 252 Physics II (w/calc)	4.0	_____
Biochemistry Elective <sup>1</sup>	2.0	_____	BIOL 342 Genetics	4.0	_____
MATH 160 Statistics	3.0	_____	GCC Elective <sup>2 or 3</sup>	3.0	_____
Foreign Language 201	3.0	_____	GCC Social Science Elective <sup>3</sup>	3.0	_____
CHRS 125 Intro to Christianity	<u>3.0</u>	_____	Minor/Elective	<u>3.0</u>	_____
	15.0			17.0	
<b><u>Summer Session</u></b>					
BIOL 508 Molec. Tech.	<u>4.0</u>	_____			
<b><u>Senior Year</u></b>					
BIOL 430 Biochemistry I	4.0	_____	CHEM 334 Phys. Chem.	4.0	_____
Biochemistry Elective <sup>1</sup>	3.0	_____	BIOL 350 Adv. Cell	4.0	_____
Fine Arts <sup>4</sup>	3.0	_____	Minor/Elective	3.0	_____
BIOL or CHEM 451	1.0	_____	Free Elective	<u>3.0</u>	_____
Free Elective	<u>3.0</u>	_____		14.0	_____
	14.0				

### Minimum of 124 hrs required to graduate

<sup>1</sup>Biochemistry Electives (Choose from list to equal total of 9 credits. A total of 4 credits of Research can be counted.): BIOL 205, BIOL 250, BIOL 315, BIOL 334, BIOL 335, BIOL 441, CHEM 445, CHEM 446, BIOL 465, CHEM 331, CHEM 360, CHEM 441 or 442, PHYS 341 or 342

<sup>2</sup> GCC Humanities and Fine Arts elective list. Choose one course from CHRS 202, 212, 224, 236, 251, 322 or higher, PHIL 121, ENGL 201, 202, 203, 204, 205, or 206, HIST 1xx, 2xx, 3xx, or 4xx (note: 2nd West. Civ. class can be taken as Humanities elective), FLAN 221, 222, 241, or 242.

<sup>3</sup> GCC Social Science elective list. Choose one course from CRIM, ECON, GEOG, POLS, PSYC, SOCI, or COMM 240.

<sup>4</sup> ART 131, THEA 131, MUSC 131

NOTE: It is recommended that BIOL 205 be taken before BIOL 451. It is also recommended that MATH 337 and additional 300/400 BIOL/CHEM/PHYS electives be taken by those anticipating graduate school.