



Biochemistry Major – B.S. Medical LECOM 3+4 concentration

First Year

<u>Fall</u>		Credits	Spring		Credits
CHEM 121	Chemical Principles I/Lab	4	CHEM 122	Chemical Principles I/Lab	4
MATH 121	Calculus I	3	MATH 122	Calculus II	3
BCHM 192	Freshman Biochem. Seminar	0	PHYS 121	General Physics I/Lab	4
WRIT 102	Research Writing, <u>G.E.</u>	3	CORE 113	First Year Seminar, <u>G.E.</u>	3
BIOL 110	Intro to Biology I/Lab	4	RLST 105	Francis & Glob. Iss., <u>G.E.</u>	3
Soc Sci 1 st	Social Science (1 of 3), <u>G.E.</u>	3	CORE 104	Spring Comm. Enrich., <u>G.E.</u>	<u>0</u>
CORE 103	Fall Comm. Enrich., <u>G.E.</u>	<u>0</u>			17
		17			

Second Year

<u>Fall</u>			Spring		
CHEM 221	Organic Chemistry I/Lab	4	CHEM 222	Organic Chemistry II/Lab	4
PHYS 122	General Physics II/Lab	4	BCHM Stat	BCHM statistics/Lab	3-4
LIT XXX	Literature, <u>G.E.</u>	3	BCHM 292	Soph. Biochem. Seminar	0
BIOL 111	Intro to Biology II/Lab	4	Soc Sci 2 nd	Social Science (2 of 3), <u>G.E.</u>	3
PHIL 205	Reason & Respons., <u>G.E.</u>	<u>3</u>	RLST or PHIL	Ethics Course, <u>G.E.</u>	3
		18	HIST XXX	History, <u>G.E.</u>	<u>3</u>
					16-17

Third Year

<u>Fall</u>			Spring		
BCHM 392	Junior BCHM PreMed Seminar	0	Diversity	Diversity Elective, <u>G.E.</u>	3
BCHM 405	Biochemistry I/Lab	4	BCHM 407	Biochemistry II	3
CHEM 321	Physical Chemistry I/Lab	4	BCHM 408	Biochemistry II Lab	2
BIOL XXX	Biology Pre-Med elective	4	Soc Sci 3 rd	Social Science (3 of 3), <u>G.E.</u>	3
LANG XXX	Language, <u>G.E.</u>	3	BCHM Keystone Seminar		3-4
FNAR XXX	Fine Arts, <u>G.E.</u>	3	BIOL 301	Genetics/Lab	<u>3</u>
EXAM 301	Writing Comp. Exam, <u>G.E.</u>	<u>0</u>			17-18
		18			

Biochemistry Statistics Electives (3 or more credits)

BIOL 315	Biostatistics/Lab	4	MATH 215	Introductory Statistics	3
CHEM 251	Quantitative Analysis/Lab	3	STAT 205	Essentials of Statistics	3

Biology Pre-Medicine Electives (4 or more credits)

BIOL 211	Comp. Vert. Anatomy/Lab	4	BIOL 214	Clinical Microbiology/Lab	4
BIOL 401	Cell & Mol. Biol./Lab	4	BIOL 406	Vert. Physiology/Lab	4

Biochemistry Keystone Seminar (3 or more credits)

CHEM 457	Chemistry and Society	3				
or						
CORE 407	Keystone Seminar, <u>G.E.</u>	3	and	BCHM 492	Biochemistry seminar	1

Note: The following General Education requirements are suggested:

<u>1st & 2nd Social Science</u>	<u>3rd Social Science</u>	<u>available for History</u>	<u>Ethics course</u>
PSYC 101 Intro to Psych	PSYC 209 Developmental Psychology	HIST 245 History of Medicine	PHIL 312 Health Care Ethics
SOC 101 General Sociology	SOC 312 Medical Sociology		