

2008 - 2009

BACHELOR OF SCIENCE IN INFORMATICS DEGREE

Bioinformatics Major

FRESHMAN YEAR

FALL	SEM.HRS
CSI 1430 - Intro. to Computer Science I.....	4
BIO 1305-1105 - Modern Concepts of Bioscience I.....	4
ENG 1302 - Thinking & Writing.....	3
REL 1310 – The Christian Scriptures.....	3
Human Performance.....	1
Chapel Forum.....	<u>0</u>
	15

SPRING	SEM.HRS
CSI 1440 - Intro. to Computer Science II.....	4
CSI 2350 – Discrete Structures.....	3
BIO 1306-1106 - Modern Concepts of Bioscience II.....	4
REL 1350 – The Christian Heritage	3
GTX 2301 – Intel. Trad. Ancient Worlds.....	3
Chapel Forum.....	<u>0</u>
	17

SOPHOMORE YEAR

FALL	SEM.HRS
CSI 3334 – Data Structures.....	3
BIO 2306-2106 - Genetics.....	4
CHE 1301 - Basic Prin. of Modern Chem. I.....	3
MTH 1321 - Calculus I.....	3
Foreign Language.....	<u>3(4)</u>
	16(17)

SPRING	SEM.HRS
CSI 3344 – Intro. to Algorithms.....	3
CSI 3471 – Software Engineering I.....	3
CHE 1302 - Basic Prin. of Modern Chem. II.....	3
CHE 1316 - Lab Measurements & Techniques.....	3
Foreign Language.....	<u>3(4)</u>
	15(16)

*NOTE: Pre-med majors also need 1 year of physics prior to taking the MCAT in the Spring Semester of the Junior year.

JUNIOR YEAR

FALL	SEM.HRS
CSI 3335 – Database Design and Applications.....	3
BIO 4306-4106 – Molecular Genetics.....	4
CHE 3331 - Organic Chem. I.....	3
CSI 2334 – Intro. to Computer Systems.....	3
Foreign Language.....	<u>3</u>
	16

SPRING	SEM.HRS
STA 3381 or STA 2381	3
BINF 3350 – Genomics and Bioinformatics	3
CSI 3336 – Systems Programming.....	3
CHE 3332 - Organic Chem. II.....	3
Human Performance.....	<u>1</u>
	13

SUMMER	SEM.HRS
BINF 3396 – Bioinformatics Summer Intern Experience.....	<u>3</u>
	3

SENIOR YEAR

FALL	SEM.HRS
CSI 3372 – Software Engineering II or CSI 4337 - Intro. to Operating Systems.....	3
CHE 3238 - Organic Chem. Lab.....	2
BINF 3360 – Intro. to Computational Biology.....	3
PSC 2302 - American Constitutional Dev or ENG 2301 – British Lit.....	3
History/Social Science Elective.....	<u>3</u>
	14

SPRING	SEM.HRS
BINF 4360 – Bioinformatics Database Design	3
GTX 2302 – Medieval Intellectual Trad.	3
Biology Elective(s).....	4
History/Social Science Elective.....	3
ENG 3300 - Technical & Professional Writing.....	<u>3</u>
	16

Biology Electives: BIO 3330 (Human Genetics), 3422 (Human Physiology), 4100 (Genetics Seminar), 4107 (Cell Physiology Lab), 4108 (Cell & Dev. Biology Lab), 4307 (Cell Physiology), 4308 (Cell & Dev. Biology), 4341 (General Biochemistry), 4401 (General Bacteriology)