

**B.S. IN BIOLOGY: Cell & Mol. Biol. Track SIGN-OFF SHEET**  
 (Revised May 2012)

**STUDENT** \_\_\_\_\_  
**ADVISOR** \_\_\_\_\_

<b>A. REQUIRED BIOLOGY COURSES (27 cr)</b>	<b>PLANNED</b>	<b>TAKEN</b>	<b>GRADE</b>
BIOL 111 Principles of Biology I (4 cr)	_____	_____	_____
BIOL 112 Principles of Biology II (4 cr)	_____	_____	_____
BIOL 123 Perspectives in Cell & Mol. Biol. (1 cr)	_____	_____	_____
BIOL 210 Botany (3 cr)	_____	_____	_____
BIOL 220 General Zoology (3 cr)	_____	_____	_____
BIOL 250 Principles of Microbiology (3 cr)	_____	_____	_____
BIOL 263 Genetics (3 cr) (W course)	_____	_____	_____
BIOL 401 Lab Methods in Biology & Biotechnology (3 cr)	_____	_____	_____
BIOL 410 Molecular Biology Topics (3 cr)	_____	_____	_____
<b>B. CONTROLLED BIOLOGY ELECTIVES (11cr)</b>			
BIOL ____ _____ (3 cr)	_____	_____	_____
BIOL ____ _____ (3 cr)	_____	_____	_____
BIOL ____ _____ (3 cr)	_____	_____	_____
BIOL ____ _____ (2 cr)	_____	_____	_____
<b>C. REQUIRED CHEMISTRY COURSES (16 cr)</b>			
CHEM 111 General Chemistry I* (4 cr)	_____	_____	_____
CHEM 112 General Chemistry II* (4 cr)	_____	_____	_____
CHEM 231 Organic Chemistry I (4 cr)	_____	_____	_____
CHEM 232 Organic Chemistry II (4 cr)	_____	_____	_____
* Fulfills the Liberal Studies Natural Sciences requirement			
<b>D. REQUIRED BIOCHEMISTRY COURSES (8 cr)</b>			
BIOC 301 Biochemistry I (3 cr)	_____	_____	_____
BIOC 302 Biochemistry II (3 cr)	_____	_____	_____
BIOC 311 Biochemistry Lab I (1 cr)	_____	_____	_____
BIOC 312 Biochemistry Lab II (1 cr)	_____	_____	_____
<b>E. REQUIRED MATHEMATICS COURSES (7 cr)</b>			
MATH 121 Calculus I*(4 cr)	_____	_____	_____
MATH 217 Probability and Statistics (3 cr)	_____	_____	_____
*Fulfills the Liberal Studies Mathematics requirement			
<b>F. REQUIRED PHYSICS COURSES (4 cr)</b>			
PHYS 111 Physics I* (3 cr)	_____	_____	_____
PHYS 121 Physics I (Lab) (1 cr)	_____	_____	_____
*may fulfill the Liberal Studies Elective requirement			
<b>G. SCIENCE/MATH ELECTIVE COURSES (4 cr)</b>			
Selected from the following:			
BIOC 480, 481; CHEM 321, 323, 331, 340;	_____	_____	_____
MATH 122; PHYS 112, 122	_____	_____	_____
<b>H. FOREIGN LANGUAGE REQUIREMENT* (SCH. OF NAT. SCI. &amp; MATH) (0-6 cr)</b>			
____ _ ( )	_____	_____	_____
____ _ ( )	_____	_____	_____

\*Two courses beyond placement or intermediate level. In lieu of a foreign language, students may elect to take a sequence of courses in Computer Science exclusive of COSC 101 (COSC 110 and 210 recommended).

**I. ADDITIONAL UNIVERSITY LIBERAL STUDIES REQUIREMENTS**

		PLANNED	TAKEN	GRADE
I1.	<u>English Composition</u> (6 cr)			
	ENGL 101 English Composition I (3 cr)	_____	_____	_____
	ENGL 202 English Composition II (3 cr)	_____	_____	_____
I2.	<u>Humanities</u> (9 cr)			
	HIST ____ History (3 cr)	_____	_____	_____
	____ ____ Phil/Rel. St. (3 cr)	_____	_____	_____
	ENGL 121 Humanities: Literature (3 cr)	_____	_____	_____
I3.	<u>Fine Arts</u> (3 cr)			
	____ ____ Fine Arts	_____	_____	_____
I4.	<u>Dimensions of Wellness or ROTC</u> (3 or 4 cr)			
	____ ____ _____ Dimensions of Wellness <i>or</i>	_____	_____	_____
	MLSC 101 World Milit. Hist. & Lab (2 cr) <i>and</i>	_____	_____	_____
	MLSC 102 Amer. Milit. Hist. & Lab (2 cr) <i>or</i>	_____	_____	_____
	MILITARY SERVICE (4 cr)			
	Veterans are given four semester hours toward these requirements.			
	Verification of service must be established by form DD 214			
I5.	<u>Social Sciences*</u> (9 cr)			
	____ ____ _____ (3 cr)	_____	_____	_____
	____ ____ _____ (3 cr)	_____	_____	_____
	____ ____ _____ (3 cr)	_____	_____	_____
	* One of these courses may fulfill the Global & Multicultural Awareness Liberal Studies requirement.			
I6.	<u>Liberal Studies Elective*</u> (3 cr)			
	*may be fulfilled by PHYS 111 Physics I.			
I7.	<u>Additional Requirements</u> (9 cr)			
	____ ____ Global & Multicultural Awareness Course	_____	_____	_____
	(may be one of Soc Sci. courses above)			
	BIOL 263 Two writing intensive courses (one	_____	_____	_____
	____ ____ must be in your major)	_____	_____	_____

**J. FREE ELECTIVES (7-14 cr) (Student must have a total of 120 semester hours from all sources to graduate with a BS in Biology – Cell and Molecular Biology Track.)**

____	____	_____ ( )	_____	_____	_____
____	____	_____ ( )	_____	_____	_____
____	____	_____ ( )	_____	_____	_____
____	____	_____ ( )	_____	_____	_____
____	____	_____ ( )	_____	_____	_____