## B.S. in BIOLOGY CHECKLIST Cell and Molecular Biology Track

Advisor			

Student \_\_\_\_\_

(Revised May 2016)

	BIOLOGY COURSES (37 cr)			Planned	Taken	Grade
<b>Biology Core</b>	e Cour					
BIOL	201	Principles of Ecology & Evolution	4cr			
BIOL	202	Principles of Cell & Molecular Biology	4cr			
BIOL	203	Principles of Genetics & Development	4cr			
<b>Required Bio</b>	ology (	Courses (16 cr)				
BIOL	123	Perspectives in Cell and Molecular Biology	1cr			
BIOL	401	Laboratory Methods in Biol. & Biotechnology	3cr			
BIOL	405	Biology of the Cell	3cr			
BIOL	410	Molecular Biology Topics	3cr			
BIOL	466	Virology	3cr			
BIOL	499	or BIOL 493 or BIOL 482 or BIOL 483	3cr			
Controlled B	iology	Electives (9 cr)*				
BIOL						
BIOL						
BIOL						
chairperson.	No mo	484, 493, 499 (**), or other biology major courses re than 6cr total from Independent Study, Special ves. ** No more than 3cr may count toward Con	Topics,	or Internship	applies to maj	
REQUIRED	CHEN	MISTRY COURSES (16 cr)*				
CHEM	111	General Chemistry I	4cr			
CHEM	112	General Chemistry II	4cr			
CHEM	231	Organic Chemistry I	4cr			
CHEM	232	Organic Chemistry II	4cr			
# T 10'11 .1	Liberal	Studies Natural Science Requirement. CHEM 1	13-114	may be substit	uted.	•
* Fulfills the						
* Fulfills the						
		HEMISTRY COURSES (8 cr)				
	<b>BIOC</b> 301	HEMISTRY COURSES (8 cr) Biochemistry I	3cr			
REQUIRED	<b>BIOC</b> 301 311	Biochemistry I Biochemistry Laboratory I	3cr 1cr			
REQUIRED BIOC	<b>BIOC</b> 301	Biochemistry I Biochemistry Laboratory I Biochemistry II				
REQUIRED BIOC BIOC	<b>BIOC</b> 301 311	Biochemistry I Biochemistry Laboratory I	1cr			
REQUIRED BIOC BIOC BIOC BIOC	301 311 302 312	Biochemistry I Biochemistry Iaboratory I Biochemistry II Biochemistry Laboratory II	1cr 3cr			
REQUIRED BIOC BIOC BIOC BIOC REQUIRED	301 311 302 312 MAT	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II HEMATICS COURSES (7 cr)	1cr 3cr 1cr			
REQUIRED BIOC BIOC BIOC BIOC REQUIRED MATH	301 311 302 312 <b>MAT</b> 121	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I*	1cr 3cr 1cr			
REQUIRED BIOC BIOC BIOC BIOC BIOC MATH MATH	301 311 302 312 MATI 121 216	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I* or MATH 217 Probability and Statistics	1cr 3cr 1cr			
REQUIRED BIOC BIOC BIOC BIOC  REQUIRED MATH MATH	301 311 302 312 MATI 121 216	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I*	1cr 3cr 1cr			
REQUIRED BIOC BIOC BIOC BIOC  REQUIRED MATH MATH *Fulfills the I	301 311 302 312 MATI 121 216 Liberal	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I* or MATH 217 Probability and Statistics Studies Mathematics Requirement	1cr 3cr 1cr 4cr 3cr			
REQUIRED BIOC BIOC BIOC BIOC REQUIRED MATH MATH *Fulfills the I  REQUIRED PHYS	SIOC   301   311   302   312     121   216     Liberal     PHYS   111	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I* or MATH 217 Probability and Statistics Studies Mathematics Requirement	1cr 3cr 1cr			
REQUIRED BIOC BIOC BIOC BIOC  REQUIRED MATH MATH *Fulfills the I	BIOC 301 311 302 312 MAT 121 216 Liberal	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I* or MATH 217 Probability and Statistics Studies Mathematics Requirement	1cr 3cr 1cr 4cr 3cr			
REQUIRED BIOC BIOC BIOC BIOC REQUIRED MATH MATH *Fulfills the I  REQUIRED PHYS	BIOC 301 311 302 312 MAT 121 216 Liberal PHYS 111 121	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I* or MATH 217 Probability and Statistics Studies Mathematics Requirement  GICS COURSES (4 cr) Physics I Lecture	1cr 3cr 1cr 4cr 3cr			
REQUIRED BIOC BIOC BIOC BIOC REQUIRED MATH MATH *Fulfills the I  REQUIRED PHYS	BIOC 301 311 302 312 MAT 121 216 Liberal PHYS 111 121	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I* or MATH 217 Probability and Statistics Studies Mathematics Requirement  SICS COURSES (4 cr) Physics I Lecture Physics I Lab	1cr 3cr 1cr 4cr 3cr			
REQUIRED BIOC BIOC BIOC BIOC REQUIRED MATH MATH *Fulfills the I  REQUIRED PHYS	BIOC 301 311 302 312 MAT 121 216 Liberal PHYS 111 121	Biochemistry I Biochemistry Laboratory I Biochemistry II Biochemistry Laboratory II  HEMATICS COURSES (7 cr) Calculus I* or MATH 217 Probability and Statistics Studies Mathematics Requirement  SICS COURSES (4 cr) Physics I Lecture Physics I Lab	1cr 3cr 1cr 4cr 3cr			

<sup>\*</sup> a) Two courses in one language, including the placement course; or b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either Computer Science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in Geography/Regional Planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417)

ADDITIONAL LIBERAL STUDIES REQUIREMENTS			Planned	Taken	Grade	
Learning Sk						
ENGL	101	English Composition I	3cr			
ENGL	202	English Composition II	3cr			
	Areas -	- Humanities:				
HIST			3cr			
PHIL/RLST			3cr			
ENGL	121	Humanities: Literature	3cr			
Knowledge A	Areas -	- Fine Arts:				
			3cr			
Knowledge A	Areas –	- Dimensions of Wellness:				
		or	3cr			
MLSC	101	Intro. to Military Science & Lab	2cr			
MLSC		Fundamentals of Military Sci. & Lab	2cr			
		- Social Sciences*:				
			3cr			
			3cr			
			3cr			
*No course p	refix m	hay be used more than once. One of these courses		fill the Libera	l Studies Glob	pal &
		eness Requirement.	1u	Lie Libera	0100	
		- Liberal Studies Elective:				
Tillo Wieuge 1	licus	Discrui Studies Dicerve.	3cr			
Global & Mi	ulticult	tural Awareness Course:	301			
Global & M		aru rivareness course.				
Two 'Writin	σ Inter	nsive' Courses (at least one in major):				
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FREE ELEC	TIVE	S (9-15 cr):				
TREE ELEC						
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EXIT SURV	LY KI	EQUIREMENT:	DAT	E TAKEN:		
COMPANY	10					
COMMENT	<b>S</b> :					
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