

B.S. in BIOLOGY CHECKLIST
Cell and Molecular Biology Track
(Revised May 2016)

Student _____

Advisor _____

BIOLOGY COURSES (37 cr)				Planned	Taken	Grade
Biology Core Courses (12 cr)						
BIOL	201	Principles of Ecology & Evolution	4cr			
BIOL	202	Principles of Cell & Molecular Biology	4cr			
BIOL	203	Principles of Genetics & Development	4cr			
Required Biology 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 Biology Electives (9 cr)*						
BIOL						
BIOL						
BIOL						
*Select from BIOL 151, 210, 220, 250, 262, 269, 271, 281 (**), 310, 323, 331, 352, 362, 363, 364, 453, 460, 477, 481 (**), 482 (**), 483, 484, 493, 499 (**), or other biology major courses by permission of advisor and department chairperson. No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives. ** No more than 3cr may count toward Controlled Elective requirements.						
REQUIRED CHEMISTRY 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			
* Fulfills the Liberal Studies Natural Science Requirement. CHEM 113-114 may be substituted.						
REQUIRED BIOCHEMISTRY COURSES (8 cr)						
BIOC	301	Biochemistry I	3cr			
BIOC	311	Biochemistry Laboratory I	1cr			
BIOC	302	Biochemistry II	3cr			
BIOC	312	Biochemistry Laboratory II	1cr			
REQUIRED MATHEMATICS COURSES (7 cr)						
MATH	121	Calculus I*	4cr			
MATH	216	or MATH 217 Probability and Statistics	3cr			
*Fulfills the Liberal Studies Mathematics Requirement						
REQUIRED PHYSICS COURSES (4 cr)						
PHYS	111	Physics I Lecture	3cr			
PHYS	121	Physics I Lab	1cr			
FOREIGN LANGUAGE REQUIREMENT (0-6 cr)*						
* 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)						

