

BS BIOLOGY Cell & Molecular Biology track (120cr) CHECKLIST (Revised Aug 2020)

Student: _____

Advisor: _____

BIOLOGY MAJOR REQUIREMENT (60cr)						
BIOLOGY COURSES 48cr				Planned	Taken	Grade
Biology Core Courses (12cr)						
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 (16cr)						
BIOL	241	Introductory Medical Microbiology	4cr			
BIOL	331	Developmental Biology	3cr			
BIOL	405	The Biology of the Cell-Critical Thinking	2cr			
BIOL	410	Molecular Biology Topics	3cr			
BIOL	411	Forensic Biology Lab Operations	4cr			
Controlled Biology Electives* (16-17cr)				Planned	Taken	Grade
BIOL						
BIOL						
BIOL						
BIOL						
BIOL						
BIOL						
BIOL						
<p>* BIOL 105, 117, 123, 200, 281, 300, 301, 310, 323, 352, 364, 409, 430, 462, 466, 469, 477, 478, 479, 481, 482, 483, 484, 493, or other biology major courses by permission of advisor and department chairperson. *A minimum of 12cr must be in courses at the 300-400 level. *No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives. *No more than 4cr can come from 100-level courses. * Excluding prerequisite, cognate, liberal studies, college core courses, no more than 2 Majors courses can be shared between a major and minor. *Students may be eligible for our sub-baccalaureate Cell and Molecular Biology Certificate (16cr). In contrast to Minors, there are no restrictions for course overlap between Major and Certificate.</p>						
Controlled Electives* (3-4cr)				Planned	Taken	Grade
BIOL			3-4cr			
*Any BIOL course at 300 level or above; or CHEM 332 or BIOC 311 or 402 or 412						
Required Science Courses (12cr)				Planned	Taken	Grade
CHEM	231	Organic Chemistry I	4cr			
CHEM	351	Biochemistry	4cr			
PHYS	111	Physics I Lecture	3cr			
PHYS	121	Physics I Lab	1cr			

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LIBERAL STUDIES REQUIREMENT (44-45cr)						
Learning Skills-English Composition (6cr)				Planned	Taken	Grade
ENGL	101	English Composition I	3cr			
ENGL	202	English Composition II	3cr			
Learning Skills-Mathematics (3-4cr)						
MATH	105 <i>or</i> 121	College Algebra <i>or</i> Calculus I for Natural and Social Sciences	3 <i>or</i> 4cr			
Knowledge Areas-Humanities (9cr)				Planned	Taken	Grade
HIST			3cr			
PHIL/RLST			3cr			
ENGL	121	Humanities: Literature	3cr			
Knowledge Areas-Fine Arts (3cr)				Planned	Taken	Grade
			3cr			
Knowledge Area: Natural Science, Option I (8cr)				Planned	Taken	Grade
CHEM	111	General Chemistry I	4cr			
CHEM	112	General Chemistry II	4cr			
Knowledge Areas-Social Sciences* (9cr)				Planned	Taken	Grade
			3cr			
			3cr			
			3cr			
*No course prefix may be used more than once. One of these courses <u>SHOULD fulfill</u> the Liberal Studies Global & Multicultural Awareness Requirement.						
Knowledge Area-Dimensions of Wellness (3cr)				Planned	Taken	Grade
			<i>or</i> 3cr			
MLSC	101	Intro. to Military Science & Lab	2cr			
MLSC	102	Fundamentals of Military Sci. & Lab	2cr			
Liberal Studies Elective (3cr)				Planned	Taken	Grade
MATH	216 <i>or</i> 217	Probability and Statistics for Natural Sciences <i>or</i> Probability and Statistics	3cr			
FREE ELECTIVES* (15-16cr)						
* Free electives may be used towards a Biology department Minor such as Animal Behavior, Biomedical Science, Environmental Microbiol, Forensic Biosciences, Neurobiology, Wildlife and Conservation Biology, or other minors of interest.						
*Excluding prerequisite, cognate, liberal studies, college core courses, no more than 2 Majors courses can be shared between a major and minor.						
Free Electives (15-16cr)				Planned	Taken	Grade
EXIT SURVEY REQUIREMENT:				DATE TAKEN:		
COMMENTS:						