

- - - REQUIREMENTS FOR B.S. IN BIOLOGY (34 hours) - - -

Molecular Biology Concentration

You must achieve a minimum cumulative GPA of 2.00 in major area courses: (BIOL 100-540).

INTRODUCTORY COURSES (15-16 hrs):		Credits	Prerequisite Notes
BIOL 111	Introduction to Cell and Molecular Biology	(3)	
BIOL 111L	Lab	(1)	
BIOL 112	Evolution, Form, and Functions of Organisms	(3)	
BIOL 112L	Lab	(1)	
BIOL 211	Biodiversity, Ecology, and Conservation Biology	(3)	
BIOL 211D	Discussion	(1)	
BIOL 212	Genetics	(3)	
BIOL 212L	Lab (optional)	(1)	
BIOLOGY 300+ Requirements (18 hrs):			
BIOL 312	Molecular Biology	(3)	
BIOL 312L	Molecular Biology Lab	(1)	
BIOL 313	Cell Biology	(3)	
BIOL 313L	Cell Biology Lab	(1)	
BIOL 455	Seminar in Molecular Biology	(3)	
BIOL	Biology Elective 300 level or above		
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CHEMISTRY Requirement (16 hrs):			
CHEM 111	Principles of Chemistry	(3)	
CHEM 111L	Principles of Chemistry Lab	(1)	
CHEM 112	Principles of Chemistry	(3)	
CHEM 112L	Principles of Chemistry Lab	(1)	
CHEM 231	Organic Chemistry	(3)	
CHEM 231L	Lab Techniques	(1)	
CHEM 232	Organic Chemistry	(3)	
CHEM 232L	Organic Synthesis and Analysis	(1)	
CHEM 351	Biochemistry I	(3)	
CHEM 352	Biochemistry II	(3)	
CHEM 354L	Biochemistry Lab	(1)	
PHYSICS Requirement (8 hrs):			
PHYS 101	Introductory Physics or	(3)	
PHYS 111	General Physics		
PHYS 101/111L	Physics Lab	(1)	
PHYS 102	Introductory Physics II or	(3)	
PHYS 112	General Physics II		
PHYS 102/112L	Physics Lab	(1)	
MATHEMATICS Requirement (4 hrs):			
MATH 120	Introductory Calculus	(4)	

Notes: