

BA in Molecular Biology

College and university requirements for all majors (25 credit hours)

ENGL 1, 2	Composition and Literature (6)
	First Year Seminar (3)
	Social Sciences (8)
	Humanities (8)

Major Requirements

Biology (34-35 credit hours)	
BIOS 41, 42	Biology Core I: Cellular and Molecular (3) and Lab (1)
BIOS 115, 116	Biology Core II: Genetics (3) and Lab (1)
BIOS 121, 122	Biology Core III: Integrative and Comparative (3) and Lab (1)
BIOS 324	Microbiology (3) or
BIOS 328	Immunology (3) or
BIOS 353	Virology (3)
BIOS 325	Bacteriology Lab (2) or
BIOS 368	Cell Biology Lab (2) or
BIOS 377	Biochemistry Lab (3)
BIOS 371	Elements of Biochemistry I (3)
BIOS 345, 346	Molecular Genetics (3) and Lab (2)
BIOS 367	Cell Biology (3)
BIOS approved electives (6 credit hours)	

Mathematics (7-8 credit hours)	
MATH 21, 22	Calculus I, II (8) or
MATH 51, 52	Survey of Calculus I, II (7)

Chemistry (16 credit hours)	
CHM 30	Introduction to Chemical Principles (4)
CHM 31	Chemical Equilibria in Aqueous Systems (4)
CHM 110, 111, 112, 113	Organic Chemistry I, II and Lab I, II (8)

Physics (9 credit hours)	
PHY 10, 12	General Physics I and Lab I (5) or
PHY 11, 12	Introductory Physics I and Lab (5)
PHY 13, 22	General Physics II and Lab (4)
PHY 21, 22	Introductory Physics II and Lab (4)