Molecular Biophysics & Biochemistry

	B.A.	B.S.	B.S./M.S.
Degrees Offered			
Introductory Courses	General chemistry: CHEM 161, 165 with CHEM 134L, 136L Organic chemistry: CHEM 220 or 174 with CHEM 222L Calculus: MATH 112 and MATH 115 or MATH 116 Biology: BIOL 101, 102, and for certain concentrations, BIOL 103, 104		
Requirements for each degree	**9.5 course credits** including senior req	**12.5 course credits** including senior req	**18.5 course credits** including senior req
	Biophysics		
	(3 credits) PHYS 170, 171 (or higher) and MB&B 275 or CHEM 332	**(4 credits)** PHYS 170, 171 (or higher) and MB&B 275 or CHEM 332 and 1 elective 300+	**(4 credits)** PHYS 180, 181 (or higher) and MB&B 275 or CHEM 332 and 1 elective 300+ as directed
	Biochemistry **(3 credits)** MB&B 300, 301 CHEM 175 or any CHEM 200+		
	Science and Society Core **(1/2 credit minimum)** MB&B 268 or others as approved by DUS		
	Practical Skills Electives		
	1 credit from different categories with **at least 0.5 credits from MB&B**	**2 credits** from different categories with **at least 0.5 credits from MB&B**	**1 credit** MB&B 470 or 471 completed by end of fifth term as part of senior req
	Seminar and Lecture Electives		
	(1 credit) 1 MB&B elective at 200+ level	**(2 credits)** 1 x MB&B elective at 200+ level *and either* 1 addtl MB&B elective at 200+ level *or* Lecture course in STEM	**(6 credits)** 2 x MB&B electives at 500+ level 4 x STEM electives at 500+ level
Concentrations	**Concentrations (optional)** Faculty curated sets of electives for students choosing to concentrate in **Biochemistry; Biophysics and Structural Biology; Chemical Biology; Computational Biology & Bioinformatics; Environment and Climate Change; Medicine.** Some concentrations require BIOL 103/104. Some require 1-3 additional credits. More specifice concentration reqs found Concentrations tab in YCPS.		
Senior Requirements	**Senior Project (1 term)** MB&B 490 or MB&B 491		MB&B 570 and 571

Updated March 2024