

1. Master the foundational concepts of general and organic chemistry, including equilibrium, kinetics, and reactivity, and apply these concepts to biological systems	chem1109, chem2510, chem2320, chem3310, chem2250, chem2260, chem3270, chem 3510	
2. Identify the factors that determine the three dimensional structures of biological macromolecules and the organization of cells	chem1109, chem2510, chem2320, chem 2260, chem3250, chem3270, chem 3510	bio2124, bio1101, bio2118, bio 1109
3. Evaluate how the structure of biological macromolecules relates to function, and predict how changes in structure will impact function	chem2320, chem3310, chem3270	bio2124, bio1101, bio2118, bio 1109