

CHEM3361 - Biochemistry I

[CHEM 3361](#) Biochemistry I (3 semester credit hours) Structures and chemical properties of amino acids; protein purification and characterization; protein structure and thermodynamics of polypeptide chain folding; catalytic mechanisms, kinetics and regulation of enzymes; energetics of biochemical reactions; generation and storage of metabolic energy associated with carbohydrates; oxidative phosphorylation and electron transport mechanisms; photosynthesis. Prerequisites: ([CHEM 2323](#) or equivalent) and [CHEM 2325](#). Corequisite: [BIOL 3161](#). (Same as [BIOL 3361](#)) (3-0) S