

BIO 301: Biochemistry I

This course will provide an introduction to biochemistry and cell biology, building on the fundamental concepts from biology and chemistry. The structure and function of amino acids, proteins, carbohydrates, nucleotides and lipids will be covered. Fundamental concepts of cellular structure and function will be reinforced. Understanding of acid-base equilibrium will be extended to biological systems. Enzyme kinetics, catabolic and anabolic pathways will be introduced. Proton, electron transport as well as oxidation- reduction will be covered. Three lecture hours and three laboratory hours per week. This course is the same as CHE 301. No credit will be awarded to students who have taken CHE 301.

Credits: Credits 4

Prerequisites:

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BIO 121, CHE 230 with a grade of "C" or better, CHE 232, or permission of instructor

Semester Offered:

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Offered fall semester.