

BIOCHEMISTRY (BCHM)

BCHM 551 Biochemistry 4 Credit Hour(s)

Prerequisite: (BIOM 513 and BIOM 515) or (BIOM 523 and BIOM 524 and BIOM 525 and BIOM 526)

A survey of the structure and reactivity of bioorganic molecules within biological systems. Emphasis is placed on: 1) organic functional groups within carbohydrates, proteins, lipids, and nucleic acids; 2) mechanisms and regulation of enzyme catalyzed equilibria; 3) energy generation and utilization by anabolic and catabolic metabolism; 4) membrane dynamics, transport and signaling; and 5) the flow of biological information from nucleic acids to protein synthesis.

Offered: Resident