**BIOCHEMISTRY (BCM)**

**BCM295. Independent Study BioChemistry. 1-12 Credits.**

Restrictions:
- Must have the following level: Undergraduate

**BCM360. Protein Structure and Function. 4 Credits.**

We will be investigating the inter-relationship between the Structure & Function of Proteins. In this course, you will learn to use molecular visualization tools to investigate real three dimensional structures of proteins produced by modern structural biology research in conjunction with primary scientific literature.

Prerequisites:
- (BIO 320 with a minimum grade of C-) and (CHE 319 (may be taken concurrently) with a minimum grade of C-)

Restrictions:
- Must have the following level: Undergraduate

**BCM393. Biochemistry Selected Topic. 1-12 Credits.**

Selected topics courses are regularly scheduled courses that focus on a particular topic of interest. Descriptions are printed in the Schedule of Classes each semester. Selected topics courses may be used as elective credit and may be repeated for credit, provided that the topic of the course changes.

**BCM461. Biochemistry 1. 3 Credits.**

Examination of the chemistry of cellular constituents, especially biopolymers and how the structure of these macromolecules effects their function.

Prerequisites:
- CHE 319 with a minimum grade of C-

Restrictions:
- Must have the following level: Undergraduate

**BCM463. Biochemistry Lab. 1 Credit.**

Introduction to biochemical techniques with emphasis on protein biochemistry. Provides laboratory experience that reinforces concepts taught in BCM 461.

Prerequisites:
- BCM 461 (may be taken concurrently) with a minimum grade of D- and CHE 318 with a minimum grade of D- and CHE 319 with a minimum grade of D-

Restrictions:
- Must have the following level: Undergraduate

**BCM470. Biochemistry 2. 3 Credits.**

Enzyme kinetics, bioenergetics and examination of metabolic reactions leading to biologically useful energy production. Control of intermediary metabolism at molecular level.

Prerequisites:
- BCM 461 with a minimum grade of D-

**BCM475. Experimental Biochemistry. 1 Credit.**

Laboratory work in methodology and techniques used in biochemistry. Stresses design and interpretation of experiments.

Prerequisites:
- BCM 463 (may be taken concurrently) with a minimum grade of D- and BCM 360 (may be taken concurrently) with a minimum grade of D-

Restrictions:
- Must have the following level: Undergraduate

**BCM495. Independent Study Biochemistry. 1-12 Credits.**