

# BIOCHEMISTRY (BCM)

## BCM295. Independent Study Biochemistry. 1-12 Credits.

### Restrictions:

- Must have the following level: Undergraduate

May be repeated for credit

## 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.

### Attributes:

- Liberal Arts

### Restrictions:

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman

### Prerequisites:

- BIO320 Minimum Grade of C-
- CHE319 Minimum Grade of C\*

\* May be taken at the same time

May not be repeated for credit

## 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.

May be repeated for credit

## BCM461. Biochemistry 1. 3 Credits.

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

### Restrictions:

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman

### Prerequisites:

- CHE319 Minimum Grade of C-

May not be repeated for credit

## BCM463. Biochemistry Lab. 1 Credit.

Introduction to biochemical techniques with emphasis on protein biochemistry. Provides laboratory experience that reinforces concepts taught in BCM461.

### Attributes:

- Liberal Arts

### Restrictions:

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman

### Prerequisites:

- BCM461 Minimum Grade of D\*
- CHE318 Minimum Grade of D-
- CHE319 Minimum Grade of D-

\* May be taken at the same time

May not be repeated for credit

## 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.

### Attributes:

- Liberal Arts

### Restrictions:

- Must not be enrolled in the following class: Freshman

### Prerequisites:

- BCM461 Minimum Grade of D-

## BCM475. Experimental Biochemistry. 1 Credit.

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

### Attributes:

- Practicum - Non-Clinical
- Creative Works
- Liberal Arts

### Restrictions:

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman

### Prerequisites:

- BCM463 Minimum Grade of D\*
- BCM360 Minimum Grade of D\*

\* May be taken at the same time

May not be repeated for credit

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

May be repeated for credit