

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