

# Biochemistry

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## **Biochemistry (BIOC) Courses**

### **BIOC 5010 [0.5 credit]**

#### **Data Applications in Biochemistry**

A project-based workshop at the intersection of data and biochemistry. Students will develop skills for autonomous learning and proficiency in database selection, computational tool integration, data management, introductory programming, statistical analysis, data visualization, and effective communication of biochemically-relevant information.

Prerequisite(s): BIOC 3101 and BIOC 3102, or permission of the Institute.

Also offered at the undergraduate level, with different requirements, as BIOC 4010, for which additional credit is precluded.

Workshop three hours a week.

### **BIOC 5800 [0.5 credit]**

#### **Seminar in Biochemistry**

A graduate seminar on current topics in the field of Biochemistry. This course introduces the seminar format and involves student, faculty and invited seminar speakers. The student will present a seminar and submit a report on a current topic in Biochemistry.

Includes: Experiential Learning Activity

Also listed as BIOL 5002, CHEM 5800.

Precludes additional credit for CHEM 6800 (no longer offered).

### **BIOC 5806 [0.5 credit]**

#### **Advances in Applied Biochemistry**

A practical hands-on course in the field of Biochemistry. This course is run in a laboratory and will train students in highly specialized technique(s) in Biochemistry. The students will run experiments, gather data, assess and analyze the results and present the findings as a seminar.

Includes: Experiential Learning Activity

Also listed as BIOL 5004, CHEM 5806.