

# COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

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## **CBE 170B - BIOCHEMICAL ENGINEERING (3 UNITS)**

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

### **COURSE OVERVIEW**

#### **SUMMARY**

The second of a two-semester sequence intended to introduce chemical engineers to the basic concepts of biochemical engineering. The course focuses on the use of chemical engineering skills and principles in the analysis and design of biologically-based processes. The emphasis will be on biochemical kinetics, protein engineering, cell growth and metabolism, bioreactor design, downstream processing, pharmacokinetics, drug delivery, and ethics.

#### **PREREQUISITES**

170A: Chemistry 135 or Molecular and Cell Biology 102, which may be taken concurrently  
Spring only

### **WORKLOAD**

#### **TIME COMMITMENT**

3 hours of lecture and 1 hour of discussion per week.

## COLLEGE OF CHEMISTRY PEER SERVICES

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