

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

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## CS 162 - OPERATING SYSTEMS AND SYSTEM PROGRAMMING (4 UNITS)

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

### COURSE OVERVIEW

#### SUMMARY

Basic concepts of operating systems and system programming. Utility programs, subsystems, multiple-program systems. Processes, interprocess communication, and synchronization. Memory allocation, segmentation, paging. Loading and linking, libraries. Resource allocation, scheduling, performance evaluation. File systems, storage devices, I/O systems. Protection, security, and privacy.

#### PREREQUISITES

CS 61B ([cs61b.html](#)), CS 61C, and CS 70

### WORKLOAD

#### TIME COMMITMENT

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

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

## COLLEGE OF CHEMISTRY PEER SERVICES

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