

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

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EE 130 - INTEGRATED-CIRCUIT DEVICES (4 UNITS)

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

COURSE OVERVIEW

SUMMARY

Overview of electronic properties of semiconductor. Metal-semiconductor contacts, pn junctions, bipolar transistors, and MOS field-effect transistors. Properties that are significant to device operation for integrated circuits. Silicon device fabrication technology.

PREREQUISITES

EE 16A ([ee16a.html](#)) and EE 16B ([ee16b.html](#))

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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lang=en) students/peer-

advising