

LOWER DIVISION ENGINEERING UCD COURSES	LOWER DIVISION TRANSFER COURSES	AERO	BIO-SYS	BIOMED ENGR	CHEM	CIV	COMP ENGR	ELEC	COMP SCI ENGR+	MTL SCI	MECH	OPTICAL SCI
Math 21A, B, C, D	Math 3A, B, C	X	X	X	X	X	X	X	X	X	X	X
Math 22A	Math 3D	X	X	X	X	X	X	X	X	X	X	X
Math 22B	Math 3D	X	X	X	X	X	X	X	X	X	X	X
Chem 2A	Chem 1A	X	X	X	X	X	X	X	X	X	X	X
Chem 2B	Chem 1A, B	X	X	X	X	X	--	--	--	X	X	--
Chem 2C	Chem 1B	--	--	X	X	--	--	--	--	--	--	--
Chem 2AH,BH,CH	NEC	--	--	--	O	--	--	--	--	--	--	--
Chem 8A	Chem 30B	--	#+	X	--	--	--	--	--	--	--	--
Chem 8B	Chem 30B	--	#+	X	--	--	--	--	--	--	--	--
Chem 128A,B; 129A	Chem 12A, B	--	--	--	X	--	--	--	--	--	--	--
*Physics 9A	Phys 4A	X	X	X	X	X	X	X	X	X	X	X
Physics 9B	Phys 4C	O	O	O	O	O	X	X	O	O	O	X
*Physics 9C	Phys 4B	X	X	X	X	X	X	X	X	X	X	X
Physics 9D	NEC	O	--	--	--	O	X	X	O	--	O	X
Engineering 4	NEC	X	--	--	--	--	--	--	--	#	X	--
✓Engineering 5	CIS 12	X~	X*	X~	X~	X~	--	--	--	X~	X~	X~
Engineering 6	NEC	X~	--	X~	X~	X~	#	#	--	X~	X~	#
Engineering 17	Engr 17	X	X	X	X	X	X	X	X	X	X	X
Engineering 35	Engr 35	X	X	X	X	X	--	X!	--	X	X	--
Engineering 45	NEC	#	--	X	X@	X@	--	X@	--	X	#	X
Civil Engr. 10	NEC	--	#+	--	--	#	--	--	--	--	--	--
Eng. Comp. Sci 20	NEC	--	--	--	--	--	X	--	#	--	--	--
Eng.Comp.Sci. 30	CIS 26	X~	X*	X~	X~	X~	X	X	X	X~	X~	X~
Eng.Comp.Sci. 40	CIS 25	X~	--	X~	X~	X~	X	X#	X	X~	X~	X~
EEC70/ECS 50	CIS 20 & 37	--	--	--	--	--	X	X	#	--	--	--
EEC 73	CIS 36	--	--	--	--	--	--	X#	--	--	--	--
EBS 1	NEC	--	#	--	--	--	--	--	--	--	--	--
EBS 75	NEC	--	#	--	--	--	--	--	--	--	--	--
Mech. Eng. 50	NEC	--	--	--	--	--	--	--	--	--	#	--
Applied Science 1	NEC	--	--	--	--	--	--	--	--	--	--	#
Biomedical 1	NEC	--	--	#	--	--	--	--	--	--	--	--
**English 1 or 3	English 1A or 1B	X	X	X	X	X	X	X	X	X	X	X
Communication 1 or 3	Speech 45 or 4	#	#	#	#	#	#	#	#	#	#	#
Bio. Sci. 1A	Biol 1A	--	#!	X^	##	--	--	--	--	--	--	--
Bio. Sci. 1B	Biol 1A	--	#!	X	--	--	--	--	--	--	--	--
Bio. Sci. 1C	Biol 1B	--	#!	--	--	--	--	--	--	--	--	--

X=REQUIRED FOR ADMISSIONS
#=REQUIRED FOR GRADUATION
O=RECOMMENDED

✓ENGIN 5 no longer offered as of Fall, 2003

*12 QUARTER UNITS MUST COVER MECHANICS AND ELECTRICITY AND MAGNETISM. STUDENTS MAJORING IN ELECTRICAL & COMPUTER ENGINEERING MUST COMPLETE 16 QUARTER UNITS OF PHYSICS.

**The College of Engineering requires one English course as part of its lower division preparation. However, the University requires two courses in English composition for admissions eligibility. Please contact your college counselor or the UCD College of Engineering if you have any questions.

EXPLANATION: The community college courses listed will be accepted toward meeting the lower division requirements in Engineering. Acceptance is based upon analysis of courses in effect for the 2001-2002 academic year and may be subject to change in subsequent years. Contact your counselor or the UCD College of Engineering Undergraduate Office, (530) 752-0553, if you have any questions.

IGETC: The College of Engineering strongly discourages the use of IGETC. Although completing IGETC satisfies the campus' General Education Requirements, it does not cover the full set of GE courses specified for the College of Engineering. All students are required to complete two upper division GE courses on the Davis campus.

BIOMEDICAL ENGINEERING:

No applications will be accepted for this major until Fall 2003 for entry into UCD Fall 2004.

WHEN THERE ARE MORE APPLICANTS THAN SPACES AVAILABLE, PRIORITY IS GIVEN TO TRANSFERS FROM CALIFORNIA COMMUNITY COLLEGES WHO HAVE COMPLETED THE LOWER DIVISION PROGRAM INDICATED AND HAVE A HIGH GPA.

COMMENTS:

#+ Required for graduation for Bio Systems Engineering majors only. Students must complete the equivalent of either course Chem 8A or 118A and either course Chem 8B or 118B or ECI 10.

Required for graduation for Chemical/Biochemical Engineering majors only.

X* Required for admissions for Bio Systems Engineering majors only. Students must complete the equiv. of either course Engr 5 or ECS 30.

X# Required for admissions for Elec or Elec/MS Engineering majors only. Students must complete the equiv. of either course ECS 40 or EEC 73.

X~ Required for admissions. Students must complete one programming course equivalent to either Engr 5, Engr 6, ECS 30, or ECS 40 (except Optical Science and Engineering which must select from the equivalent of Engr 5, ECS 30, or ECS 40).

X@ Required for admissions for Chemical/Materials Science & Engineering, Electrical/Materials Science & Engineering, or Civil/Materials Science & Engineering majors only. Students must complete the equivalent of Engineering 45.

X! Required for admissions for Electrical/Materials Science and Engineering majors only. Students must complete the equivalent of Engineering 35.

#! Required for graduation for Bio Systems Engineering majors only. Students must complete 15 qtr units of introductory biology covering microbiology, botany, and zoology. An additional 9 qtr units of upper division course work are required for an overall 24 units of Biological Science Electives.

X^ Required for Admissions for Biomedical Engineering majors only. Students must complete 8 qtr units of upper division life sciences electives in addition to introductory biology and physiology.

+ We recommend that Comp Sci Engr students have an exposure to UNIX prior to transfer.