

Report to the University Wide Council on Engineering
Education UCEE

Henry Samueli School of Engineering and Applied Science
University of California, Los Angeles

Fall 2009

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Enrollments – Fall Quarters

	2007	2008	2009
Undergraduate Enrollment			
Lower Division	1107	1050	990
Upper Division	1676	1956	2215
Total Undergraduate	2783	3006	3205
Graduate Enrollment			
Master's Degree	606	681	749
Doctoral Degree	782	821	878
Total Graduate Enrollment	1388	1502	1627
HSSEAS Total	4171	4508	4832
Campus Total	38896	38476	39984

Fall Undergraduate Enrollments by Major

	2007	2008	2009
Aerospace Engr	215	225	240
Bioengineering	209	239	262
Chemical Engr	374	383	368
Civil Engr	302	361	402
Computer Sci	253	274	294
Computer Sci &	294	274	291
Electrical Engr	565	660	758
Mechanical Engr	495	509	489
Materials Engr	76	81	101
Total	2783	3006	3205

Undergraduate Admission Statistics

	Freshmen			Enrolled	Transfers			
	Apps	Admits	Positive SIR		Apps	Admits	Positive SIR	Enrolled
2009-2010								
Aerospace	772	143	43	43	83	14	8	
Bioengineering	1236	327	64	62	100	32	10	
Chemical	641	247	62	61	140	14	3	
Civil	1389	258	82	81	210	79	35	
C S & E	1168	295	82	81	123	21	8	
Com Sci	740	186	51	50	198	25	12	
Electrical	837	421	151	151	215	95	50	
Mechanical	1479	304	68	68	246	47	16	
Materials	138	93	35	33	21	6	2	
Total	8400	2274	638	630	1336	333	144	
	Apps	Admits	Positive SIR	Enrolled	Apps	Admits	Positive SIR	Enrolled
2008-2009								
Aerospace	803	161	49	49	82	20	11	11
Bioengineering	1135	314	61	61	91	35	13	13
Chemical	542	186	44	44	98	55	26	26
Civil	1152	207	64	64	226	91	41	41
C S & E	1180	211	41	41	131	49	22	22
Com Sci	720	188	57	57	228	48	22	22
Electrical	777	383	126	126	259	131	70	70
Mechanical	1324	294	83	83	242	91	46	46
Materials	141	87	25	25	24	13	8	8
Total	7774	2031	550	550	1381	533	259	259
	Apps	Admits	Enrolled	Apps	Admits	Enrolled		
2007-2008								
Aerospace	633	146	60	48	25	16		
Bioengineering	949	308	61	79	40	12		
Chemical	516	278	121	112	67	33		
Civil	999	187	63	149	79	38		
C S & E	1018	258	91	105	37	20		
Com Sci	603	155	71	164	61	26		
Electrical	777	407	157	206	108	46		
Mechanical	1150	330	130	184	98	45		
Materials	113	67	29	18	9	1		
Total	6758	2136	783	1065	524	237		

Graduate Admission Statistics

2009-2010	Applicants		Admissions		Enrollments		Positive SIR	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
Aerospace	50	27	40	9	16	3	17	4
Biomedical	137	82	78	43	29	17	29	17
Chemical	81	134	24	12	11	9	11	10
Civil	134	147	111	62	55	23	59	26
Comp Sci	155	635	103	182	41	61	45	73
Electrical	228	919	128	201	41	62	43	73
Mechanical	164	172	115	39	42	21	48	22
M S & E	40	125	25	32	13	14	13	16
Manufacturing	3	4	1	1	0	0	0	0
MS Online	143	0	109	0	84	10	89	0
Total	1135	2245	734	581	332	220	354	241
%Foreign		66.42%		44.18%		39.86%		40.50%

2008-2009	Applicants		Admissions		Enrollments		Positive SIR	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
Aerospace	59	30	43	5	17	2	17	2
Biomedical	110	81	77	45	29	10	29	10
Chemical	81	119	36	5	11	3	11	3
Civil	83	108	65	55	31	22	31	22
Comp Sci	193	557	122	98	53	49	53	49
Electrical	263	836	170	193	88	78	88	78
Mechanical	149	159	106	41	41	30	41	30
M S & E	38	120	24	25	11	9	11	9
Manufacturing	1	3	1	0	1	0	1	0
MS Online	139	0	93	0	87	0	87	0
Total	1116	2013	737	467	369	203	369	203
%Foreign		64.30%		38.70%		35.48%		35.48%

2007-2008	Applicants		Admissions		Enrollments	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
Aerospace	60	33	51	3	27	2
Biomedical	132	74	82	38	30	13
Chemical	63	131	32	11	7	5
Civil	104	108	82	49	32	19
Comp Sci	220	593	184	92	94	51
Electrical	289	915	139	107	45	34
Mechanical	148	199	132	26	60	17
M S & E	33	123	30	64	14	21
Manufacturing	1	0	1	0	0	0
MS Online	94	7	75	0	67	0
Total	1144	2183	808	390	376	162

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Undergraduate
 Foreign, Minorities, Women

	Total Enrolled	Women		Minorities		Foreign	
		Number	Percent	Number	Percent	Number	Percent
2009	3205	624	19.47%	304	9.49%	309	9.64%
2008	3006	574	19.10%	282	9.38%	255	8.48%
2007	2783	521	18.72%	256	9.20%	182	6.54%

Gender Breakdown by Major

Fall 2009	Female	Male
Aerospace Engineering	34	206
Bioengineering	79	183
Chemical Engineering	123	245
Civil Engineering	133	269
Computer Science	37	257
Computer Science & Engr	33	258
Electrical Engineering	101	657
Materials Engineering	23	78
Mechanical Engineering	61	428
TOTAL	624	2581

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Graduate
 Foreign, Minorities, Women

	Total Enrolled	Women		Minorities		Foreign	
		Number	Percent	Number	Percent	Number	Percent
2009	1627	294	18.07%	84	5.16%	629	38.66%
2008	1502	275	18.31%	77	5.12%	540	35.95%
2007	1388	260	18.73%	75	5.40%	501	36.10%

Gender Breakdown by Major

Fall 2009	Female	Male
Master's		
Aerospace	3	26
Engineering		
Biomedical	14	17
Engineering		
Chemical	3	5
Engineering		
Civil and	20	48
Environmental		
Engr.		
Computer Science	21	107
Electrical	17	146
Materials Science	9	16
Engineering		
Manufacturing	0	0
Mechanical	10	73
Engineering		
MS Online	36	178
Sub-Total	133	616
	Female	Male
Ph.D.		
Aerospace	1	24
Engineering		
Biomedical	32	77
Engineering		
Chemical	25	44
Engineering		
Civil and	27	43
Environmental		
Engr.		
Computer Science	22	187
Electrical	21	187
Materials Science	16	50
Engineering		
Manufacturing	0	0
Mechanical	17	105
Engineering		
Sub-Total	161	717
TOTAL	294	1333

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M.S. & Ph.D. Graduate – Foreign & Domestic

	Total		Domestic		Foreign	
	MS	PhD	MS	PhD	MS	PhD
2009	749	878	570	414	179	464
2008	681	821	542	420	139	401
2007	606	782	488	399	118	383

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Undergraduate- Degrees Awarded by Major

	2006- 2007	2007- 2008	2008-2009
B.S. TOTAL	519	461	507
Aerospace	42	36	33
Bioengineering*	6	26	28
Chemical	57	47	69
Civil	64	45	80
Computer Science	62	51	49
Com Sci & Engr	68	40	30
Electrical	121	109	107
Materials	18	15	10
Mechanical	81	92	101

*new undergraduate major as of Fall 2004

Graduate- Degrees Awarded by Major

	2006- 2007	2007- 2008	2008-2009
M.S. TOTAL	284	324	298
(breakdown)			
Aerospace	17	14	13
Biomedical	26	22	23
Chemical Eng	8	10	1
Civil Engineering	40		52
Computer Science		44	
Electrical	47	66	77
Manufacturing	80	81	66
Materials Science	1	1	1
Mechanical	14	15	14
Mechanical	51	71	48
Ph.D. TOTAL	157	134	145
(breakdown)			
Aerospace	0	5	6
Biomedical	13	22	15
Chemical Eng	15	7	15
Civil Engineering	7	11	10
Computer Science	27	18	27
Electrical	56	36	39
Manufacturing	0	0	0
Materials Science	15	11	7
Mechanical	24	24	24
Nuclear	0	0	0
Engineer Degree	2	3	2
GRAD TOTAL	443	458	443