

Report to the University Wide Council on Engineering Education UCEE

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

Fall 2007

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

Admission, Enrollment & Degree Statistics

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Enrollments – Fall Quarters

		2005	2006	2007
Undergraduate Enrollment				
	Lower Division	731	787	1107
	Upper Division	1538	1526	1676
Total Undergraduate		2269	2313	2783
Graduate Enrollment				
	Master's Degree	474	495	606
	Doctoral Degree	782	800	782
Total Graduate Enrollment		1256	1295	1388
HSSEAS Total		3525	3599	4171
Campus Total		35625	36611	38896

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Fall Undergraduate Enrollments by Major

	2005	2006	2007
Aerospace Engr	211	205	215
Bioengineering	71	135	209
Chemical Engr	264	280	374
Civil Engr	248	254	302
Computer Sci	225	220	253
Computer Sci & Engr	315	285	294
Electrical Engr	497	477	565
Mechanical Engr	362	386	495
Materials Engr	76	70	76
Total	2269	2313	2783

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Fall Graduate Enrollment and Support by Major

	2005		2006		2007	
	Enroll	%Supp	Enroll	%Supp	Enroll	%Supp
Aerospace	36	74%	49	72%	60	68%
Biomedical IDP	115	89%	114	95%	117	95%
Chemical	65	95%	74	94%	75	94%
Civil	111	52%	104	60%	114	58%
Computer Science	282	60%	285	40%	347	41%
Electrical	397	79%	380	66%	331	69%
Mechanical	176	*	199	*	195	*
M S& E	74	89%	89	82%	83	73%
Manufacturing	0	*	1	*	0	*
Nuclear	0	*	0	*	0	*
MS Online	0		0		66	
Total	1256		1295		1388	

* Students in the department of Mechanical and Aerospace Engineering. The information about support is listed under Aerospace Engineering.

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Undergraduate Admission Statistics

	Freshmen			Transfers		
	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
2006-2007						
Aerospace	687	142	45	57	23	11
Bioengineering	960	317	63	72	19	4
Chemical	505	226	72	81	43	20
Civil	889	129	38	156	56	26
C S & E	970	219	71	110	32	13
Com Sci	539	123	38	162	44	17
Electrical	672	273	82	226	96	51
Mechanical	1021	226	62	188	80	38
Materials	113	60	16	17	7	5
Total	6356	1715	487	1069	400	185
2005-2006						
Aerospace	601	156	47	75	21	12
Bioengineering	790	196	29	90	12	3
Chemical	426	215	69	94	36	8
Civil	814	155	62	143	38	17
C S & E	916	198	55	142	48	19
Com Sci	518	107	31	233	34	19
Electrical	676	237	68	230	109	52
Mechanical	921	211	68	195	62	30
Materials	91	47	15	18	6	1
Total	5753	1522	444	1220	366	161

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Graduate Admission Statistics

	Applicants		Admissions		Enrollments	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
2007-2008						
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
%Foreign						
2006-2007						
Aerospace	49	28	41	7	17	4
Biomedical	157	53	73	27	19	7
Chemical	56	92	31	13	9	8
Civil	90	82	71	46	30	12
Comp Sci	211	518	163	55	68	24
Electrical	317	806	140	141	42	57
Mechanical	140	181	117	30	57	17
M S & E	40	88	29	55	8	22
Manufacturing	3	4	2	0	1	0
Total	1063	1852	667	374	251	151
%Foreign		63.5%		35.9%		37.6%
2005-2006						
Aerospace	57	30	39	7	9	1
Biomedical	99	40	42	4	12	1
Chemical	66	93	26	8	6	2
Civil	97	128	84	42	32	16
Comp Sci	201	343	125	48	54	16
Electrical	359	790	158	164	58	53
Mechanical	138	177	91	47	32	15
M S & E	28	84	19	41	8	15
Manufacturing	1	0	0	0	0	0
Total	1046	1685	584	361	211	119
%Foreign		61.7%		38.2%		36.1%

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Undergraduate- Foreign, Minorities, Women

	Total Enrolled	Women		Minorities		Foreign	
		Number	Percent	Number	Percent	Number	Percent
2007	2783	521	18.7%	256	9.2%	182	6.5%
2006	2313	431	18.6%	200	8.6%	123	5.3%
2005	2269	420	18.5%	199	8.8%	119	5.2%

Gender Breakdown by Major

Fall 2007

B.S. Major	Female	Male
Aerospace Engineering	28	187
Bioengineering	67	142
Chemical Engineering	133	241
Civil Engineering	100	202
Computer Science	25	228
Computer Science & Engr	29	265
Electrical Engineering	64	501
Materials Engineering	12	64
Mechanical Engineering	63	432
TOTAL	521	2262

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Graduate- Foreign, Women, Minorities

	Total Enrolled	Women		Minorities		Foreign	
		Number	Percent	Number	Percent	Number	Percent
2007	1388	260	18.7%	75	5.4%	501	36.1%
2006	1295	264	20.4%	50	3.9%	516	39.8%
2005	1256	259	20.6%	52	4.1%	487	38.8%

Gender Breakdown by Major

Fall 2007

Master's	Female	Male
Aerospace Engineering	1	30
Biomedical Engineering	8	28
Chemical Engineering	3	4
Civil and Environmental Engr.	19	30
Computer Science	20	142
Electrical	20	113
Materials Science Engineering	8	22
Manufacturing	0	0
Mechanical Engineering	13	79
MS Online	16	50
Sub-Total	108	498
Ph.D.	Female	Male
Aerospace Engineering	4	25
Biomedical Engineering	27	54
Chemical Engineering	20	48
Civil and Environmental Engr.	21	44
Computer Science	24	161
Electrical	28	170
Materials Science Engineering	11	42
Manufacturing	0	0
Mechanical Engineering	17	86
Sub-Total	152	630
TOTAL	260	1128

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

	Total		Domestic		Foreign	
	MS	PhD	MS	PhD	MS	PhD
2007	606	782	488	399	118	383
2006	495	800	389	390	106	410
2005	474	782	382	387	92	395

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Undergraduate- Degrees Awarded by Major

	2004-2005	2005-2006	2006-2007
B.S. TOTAL	615	537	519
Aerospace	32	46	42
Bioengineering*	0	0	6
Chemical	44	53	57
Civil	62	51	64
Computer Science	80	62	62
Com Sci & Engr	84	73	68
Electrical	203	147	121
Materials	7	21	18
Mechanical	103	84	81

*new undergraduate major as of Fall 2004

Graduate- Degrees Awarded by Major

	2004-2005	2005-2006	2006-2007
M.S. TOTAL	406	307	284
(breakdown)			
Aerospace	12	8	17
Biomedical	39	39	26
Chemical Eng	8	8	8
Civil Engineering	37	40	40
Computer Science	105	65	47
Electrical	101	82	80
Manufacturing	1	0	1
Materials Science	20	11	14
Mechanical	83	54	51
Ph.D. TOTAL	137	142	157
(breakdown)			
Aerospace	0	2	0
Biomedical	11	16	13
Chemical Eng	18	5	15
Civil Engineering	14	15	7
Computer Science	28	35	27
Electrical	46	36	56
Manufacturing	0	0	0
Materials Science	7	12	15
Mechanical	13	21	24
Nuclear	0	0	0
Engineer Degree	1	4	2
GRAD TOTAL	544	453	443

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Faculty FTE by Departments

	2005-06	2006-07	2007-08
Budgeted Faculty	203.52	204.02	203.69
Bioengineering	6.00	6.00	6.00
Chemical	12.00	13.00	12.00
Civil	14.00	15.00	15.00
Com Sci	36.00	36.00	35.67
Electrical	41.83	40.50	43.00
MAE	30.00	30.50	31.50
Materials	10.50	9.50	10.50
Biomedical IDP	0	0	0
Total	150.33	150.5	153.67
	filled	filled	filled
	roster	roster	roster
	FTE	FTE	FTE

Note: the difference between budgeted FTE and filled roster FTE is used for Teaching Assistants and temporary faculty. These figures are not to be used to report faculty statistics outside the UC System.