

Report to the University Wide Council on Engineering Education UCEE

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

Fall 2006

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Enrollments – Fall Quarters

		2004	2005	2006
Undergraduate Enrollment				
	Lower Division	740	731	787
	Upper Division	1664	1538	1526
Total Undergraduate		2404	2269	2313
Graduate Enrollment				
	Master's Degree	574	474	495
	Doctoral Degree	817	782	800
Total Graduate Enrollment		1391	1256	1286
HSSEAS Total		3795	3525	3599
Campus Total		35966	35625	36611

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Fall Undergraduate Enrollments by Major

	2004	2005	2006
Aerospace Engr	199	211	205
*Bioengineering	41	71	135
Chemical Engr	224	264	280
Civil Engr	242	248	254
Computer Sci	265	225	220
Computer Sci & Engr	370	315	285
Electrical Engr	612	497	477
Mechanical Engr	369	362	386
Materials Engr	82	76	70
Total	2404	2269	2313

*new major as of Fall 2004

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Fall Graduate Enrollment and Support by Major

	2004		2005		2006	
	Enroll	%Supp	Enroll	%Supp		
Aerospace	43	65%	36	74%	49	72%
Biomedical IDP	146	74%	115	89%	114	95%
Chemical	73	88%	65	95%	74	94%
Civil	96	44%	111	52%	104	60%
Computer Science	345	53%	282	60%	285	40%
Electrical	413	77%	397	79%	380	66%
Mechanical	203	*	176	*	199	*
M S& E	71	82%	74	89%	89	82%
Manufacturing	1	*	0	*	1	*
Nuclear	0	*	0	*	0	*
Total	1391		1256		1295	

* 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
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
2004-2005						
Aerospace	587	137	47	42	14	7
*Bioengineering	791	164	40	84	0	0
Chemical	374	178	37	94	52	10
Civil	671	119	30	143	39	15
C S & E	1066	239	70	184	58	25
Com Sci	611	138	43	321	44	23
Electrical	728	273	68	276	96	45
Mechanical	892	213	66	143	36	16
Materials	87	47	14	14	7	3
Total	5807	1508	415	1301	346	144

*new program beginning Fall 2004

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Graduate Admission Statistics

	Applicants		Admissions		Enrollments	
	Domestic	Foreign	Domestic	Foreign	Domestic	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%
2004-2005						
Aerospace	36	39	29	8	13	2
Biomedical	183	104	83	9	40	8
Chemical	76	127	42	6	15	3
Civil	82	112	67	48	28	14
Comp Sci	300	442	143	30	49	9
Electrical	379	822	172	123	67	44
Mechanical	133	198	98	19	37	11
M S & E	22	73	18	30	5	6
Manufacturing	1	0	0	0	0	0
Nuclear	0	0	0	0	0	0
Int Mfg Engr	n/a	n/a	n/a	n/a	n/a	n/a
Engineering	n/a	n/a	n/a	n/a	n/a	n/a
Total	1212	1917	652	273	254	97
%Foreign		61.3%		29.5%		27.6%

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Undergraduate- Foreign, Minorities, Women

	Total Enrolled	Women Number	Percent	Minorities Number	Percent	Foreign Number	Percent
2006	2313	431	18.6%	200	8.6%	123	5.3%
2005	2269	420	18.5%	199	8.8%	119	5.2%
2004	2404	471	19.6%	198	8.2%	149	6.2%

Gender Breakdown by Major

Fall 2006

B.S. Major	Female	Male
Aerospace Engineering	41	164
Bioengineering	41	94
Chemical Engineering	88	192
Civil Engineering	74	181
Computer Science	29	191
Computer Science & Engr	30	255
Electrical Engineering	63	414
Materials Engineering	9	61
Mechanical Engineering	56	330
TOTAL	431	1882

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Graduate- Foreign, Women, Minorities

	Total Enrolled	Women		Minorities		Foreign	
		Number	Percent	Number	Percent	Number	Percent
2006	1295	264	20.4%	50	3.9%	516	39.8%
2005	1256	259	20.6%	52	4.1%	487	38.8%
2004	1391	269	19.3%	57	4.1%	537	38.6%

Gender Breakdown by Major

Fall 2006

Master's	Female	Male
Aerospace Engineering	7	21
Biomedical Engineering	4	23
Chemical Engineering	5	6
Civil and Environmental Engr.	20	18
Computer Science	11	94
Electrical	36	123
Materials Science Engineering	9	25
Manufacturing	0	1
Mechanical Engineering	13	80
Sub-Total	105	390

Ph.D.	Female	Male
Aerospace Engineering	1	20
Biomedical Engineering	38	49
Chemical Engineering	19	44
Civil and Environmental Engr.	21	45
Computer Science	20	159
Electrical	31	190
Materials Science Engineering	12	44
Manufacturing	0	0
Mechanical Engineering	15	91
Sub-Total	158	642

TOTAL **263** **1032**

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

	Total		Domestic		Foreign	
	MS	PhD	MS	PhD	MS	PhD
2006	495	800	389	390	106	410
2005	474	782	382	387	92	395
2004	574	817	463	391	111	426

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Undergraduate - Degrees Awarded by Major

	2003-2004	2004-2005	2005-2006
B.S. TOTAL	678	615	537
Aerospace	37	32	46
Bioengineering*	n/a	0	0
Chemical	65	44	53
Civil	39	62	51
Computer Science	120	80	62
Com Sci & Engr	122	84	73
Electrical	206	203	147
Materials	23	7	21
Mechanical	66	103	84

*new undergraduate major as of Fall 2004

Graduate - Degrees Awarded by Major

	2003-2004	2004-2005	2005-2006
M.S. TOTAL	317	406	307
(breakdown)			
Aerospace	6	12	8
Biomedical	21	39	39
Chemical Eng	6	8	8
Civil Engineering	33	37	40
Computer Science	89	105	65
Electrical	105	101	82
Manufacturing	1	1	0
Materials Science	12	20	11
Mechanical	44	83	54
Ph.D. TOTAL	118	137	142
(breakdown)			
Aerospace	4	0	2
Biomedical	5	11	16
Chemical Eng	4	18	5
Civil Engineering	6	14	15
Computer Science	28	28	35
Electrical	44	46	36
Manufacturing	0	0	0
Materials Science	5	7	12
Mechanical	22	13	21
Nuclear	0	0	0
Engineer Degree	6	1	4
GRAD TOTAL	441	544	453

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Faculty FTE by Departments

	2004-05	2005-06	2006-07
Budgeted Faculty	202.52	203.52	204.02
*Bioengineering	5.00	6.00	6.00
Chemical	12.00	12.00	13.00
Civil	13.00	14.00	15.00
Com Sci	35.00	36.00	36.00
Electrical	42.33	41.83	40.50
MAE	30.00	30.00	30.50
Materials	11.00	10.50	9.50
Biomedical IDP	0	0	0
Total	148.33	150.33	150.5
	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.