

Report to the University Wide Council on Engineering Education UCEE

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

Fall 2005

12/9/2005

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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

		2003	2004	2005
Undergraduate Enrollment				
	Lower Division	773	740	731
	Upper Division	1837	1664	1538
Total Undergraduate		2610	2404	2269
Graduate Enrollment				
	Master's Degree	445	574	474
	Doctoral Degree	1045	817	782
Total Graduate Enrollment		1490	1391	1256
HSSEAS Total		4100	3795	3525
Campus Total		38598	35966	35625

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Fall Undergraduate Enrollments by Major

	2003	2004	2005
Aerospace Engr	196	199	211
*Bioengineering	N/A	41	71
Chemical Engr	246	224	264
Civil Engr	227	242	248
Computer Sci	320	265	225
Computer Sci & Engr	430	370	315
Electrical Engr	725	612	497
Mechanical Engr	358	369	362
Materials Engr	108	82	76
Total	2610	2404	2269

*new major as of Fall 2004

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Fall Graduate Enrollment and Support by Major

	2003		2004		2005	
	Enroll	%Supp	Enroll	%Supp	Enroll	%Supp
Aerospace	41	70%	43	65%	36	74%
Biomedical IDP	118	71%	146	74%	115	89%
Chemical	80	81%	73	88%	65	95%
Civil	98	51%	96	44%	111	52%
Computer Science	395	58%	345	53%	282	60%
Electrical	454	73%	413	77%	397	79%
Mechanical	224	*	203	*	176	*
M S& E	76	87%	71	82%	74	89%
Manufacturing	4	*	1	*	0	*
Nuclear	0	*	0	*	0	0
Total	1490		1391		1256	

* 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
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
2003-2004						
Aerospace	603	146	52	55	17	11
Chemical	390	179	46	77	32	10
Civil	617	146	38	118	30	11
C S & E	1309	263	72	256	66	31
Com Sci	946	142	48	468	66	35
Electrical	905	357	105	347	103	59
Mechanical	866	230	69	149	39	19
Materials	113	77	31	16	5	3
Total	5749	1540	461	1486	358	179

*new program beginning Fall 2004

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Graduate Admission Statistics

	Applicants		Admissions		Enrollments	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
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%

	Applicants		Admissions		Enrollments	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
2003-2004						
Aerospace	53	52	41	14	16	2
Biomedical	136	116	62	16	31	5
Chemical	67	153	35	4	14	1
Civil	82	180	58	87	15	15
Comp Sci	335	543	224	64	94	27
Electrical	425	1003	188	126	88	42
Mechanical	147	284	125	57	54	28
M S & E	31	97	23	59	9	14
Manufacturing	2	5	1	2	2	1
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	1278	2433	757	429	323	135
%Foreign		65.6%		36.2%		29.5%

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Undergraduate- Foreign, Minorities, Women

	Total Enrolled	Women Number	Percent	Minorities Number	Percent	Foreign Number	Percent
2005	2269	420	18.5%	199	8.8%	119	5.2%
2004	2404	471	19.6%	198	8.2%	149	6.2%
2003	2610	543	20.8%	209	8.0%	143	5.5%

Gender Breakdown by Major

B.S. Major	Female	Male
Aerospace Engineering	40	171
Bioengineering	24	47
Chemical Engineering	77	187
Civil Engineering	75	173
Computer Science	35	190
Computer Science & Engr	41	274
Electrical Engineering	66	431
Materials Engineering	12	64
Mechanical Engineering	50	312
TOTAL	420	1849

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Graduate- Foreign, Women, Minorities

	Total Enrolled	Women		Minorities		Foreign	
		Number	Percent	Number	Percent	Number	Percent
2005	1256	259	20.6%	52	4.1%	487	38.8%
2004	1391	269	19.3%	57	4.1%	537	38.6%
2003	1490	273	18.3%	54	3.6%	617	41.4%

Gender Breakdown by Major

Master's	Female	Male
Aerospace Engineering	2	17
Biomedical Engineering	4	16
Chemical Engineering	2	4
Civil and Environmental Engr.	18	29
Computer Science	12	76
Electrical	37	146
Materials Science Engineering	7	18
Manufacturing	0	0
Mechanical Engineering	21	65
Sub-Total	103	371
Ph.D.	Female	Male
Aerospace Engineering	2	15
Biomedical Engineering	35	60
Chemical Engineering	20	39
Civil and Environmental Engr.	18	46
Computer Science	28	166
Electrical	31	183
Materials Science Engineering	9	40
Manufacturing	0	0
Mechanical Engineering	13	77
Sub-Total	156	626
TOTAL	259	997

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

	Total		Domestic		Foreign	
	MS	PhD	MS	PhD	MS	PhD
2005	474	782	382	387	92	395
2004	574	817	463	391	111	426
2003	445	1045	356	517	89	528

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Undergraduate- Degrees Awarded by Major

	2002-2003	2003-2004	2004-2005
B.S. TOTAL	625	678	615
Aerospace	41	37	32
Bioengineering*	n/a	n/a	0
Chemical	53	65	44
Civil	40	39	62
Computer Science	111	120	80
Com Sci & Engr	125	122	84
Electrical	180	206	203
Materials	13	23	7
Mechanical	62	66	103

*new undergraduate major as of Fall 2004

Graduate- Degrees Awarded by Major

	2002-2003	2003-2004	2004-2005
M.S. TOTAL	292	317	406
(breakdown)			
Aerospace	6	6	12
Biomedical	31	21	39
Chemical Eng	6	6	8
Civil Engineering	35	33	37
Computer Science	78	89	105
Electrical	104	105	101
Manufacturing	2	1	1
Materials Science	11	12	20
Mechanical	19	44	83
Ph.D. TOTAL	85	118	137
(breakdown)			
Aerospace	4	4	0
Biomedical	1	5	11
Chemical Eng	5	4	18
Civil Engineering	7	6	14
Computer Science	18	28	28
Electrical	29	44	46
Manufacturing	0	0	0
Materials Science	6	5	7
Mechanical	14	22	13
Nuclear	1	0	0
Engineer Degree	5	6	1
GRAD TOTAL	382	441	544

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Faculty FTE by Departments

	2003-04	2004-05	2005-06
Budgeted Faculty	197.7	202.52	203.52
*Bioengineering	4.00	5.00	6.00
Chemical	12.00	12.00	12.00
Civil	14.00	13.00	14.00
Com Sci	32.00	35.00	36.00
Electrical	43.33	42.33	41.83
MAE	30.00	30.00	30.00
Materials	10.00	11.00	10.50
Biomedical IDP	0	0	0
Total	145.33	148.33	150.33
	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.

updated 3/21/06