

Report to the University Wide Council on Engineering
Education UCEE

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

Fall 2012
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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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Henry Samueli School of Engineering and Applied Science
University of California, Los Angeles

Enrollments* – Fall Quarters	2010	2011	2012
Undergraduate Enrollment			
Total Undergraduate	3287	3311	3232
Graduate Enrollment			
Master's Degree	934	924	856
Doctoral Degree	1048	921	920
Total Graduate Enrollment	1982	1845	1776
HSSEAS Total	5269	5156	5008
Campus Undergraduate Total			
	26,162	27,199	27,941
Campus Total	39,593	40,675	41,341

*As reported by the Office of Analysis and Information Management based on October 19, 2012, enrollment numbers

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

Fall Undergraduate Enrollments* by Major

	2010	2011	2012
Aerospace Engineering	228	198	173
Bioengineering	254	261	267
Chemical Engineering	367	358	347
Civil Engineering	395	382	379
Computer Science	314	354	408
Computer Science & Engineering	300	287	270
Electrical Engineering	730	759	724
Materials Engineering	114	121	135
Mechanical Engineering	466	424	391
Undeclared Engineering	119	167	138
Total	3287	3311	3232

*As reported by the Office of Analysis and Information Management based on October 19, 2012, enrollment numbers

Henry Samueli School of Engineering and Applied Science
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Undergraduate Admission* Statistics

	Freshman Apps	Admits	Positive SIR	Enrolled	Transfers Apps	Admits	Positive SIR	Enrolled
2012-2013								
Aerospace Engineering	922	133	37	36	121	11	4	3
Bioengineering	1604	315	61	59	150	39	15	14
Chemical Engineering	955	267	67	63	219	26	15	13
Civil Engineering	1338	206	75	73	235	26	10	9
Computer Science	1568	224	52	47	401	19	10	10
Computer Science & Engineering	1843	260	59	57	208	34	15	13
Electrical Engineering	1107	388	130	121	357	111	66	61
Materials Engineering	189	124	39	38	55	12	6	6
Mechanical Engineering	1978	222	49	44	398	22	7	7
Undeclared Engineering	2649	384	90	81	N/A	N/A	N/A	N/A
Total	14153	2523	659	619	2144	300	148	136

	Freshman Apps	Admits	Positive SIR	Enrolled	Transfers Apps	Admits	Positive SIR	Enrolled
2011-2012								
Aerospace Engineering	832	131	33	32	105	17	11	11
Bioengineering	1458	365	82	78	154	36	11	9
Chemical Engineering	716	303	79	74	181	28	11	10
Civil Engineering	1153	222	78	75	266	27	12	11
Computer Science	1000	250	75	70	338	27	12	11
Computer Science & Engineering	1259	313	80	77	202	29	7	8
Electrical Engineering	792	427	177	169	329	117	60	54
Materials Engineering	175	98	31	28	35	7	3	2
Mechanical Engineering	1524	300	100	88	367	63	25	25
Undeclared Engineering	2448	402	97	92	N/A	N/A	N/A	N/A
Total	11357	2811	832	783	1977	351	152	141

	Freshman Apps	Admits	Positive SIR	Enrolled	Transfers Apps	Admits	Positive SIR	Enrolled
2010-2011								
Aerospace Engineering	770	128	44	43	96	10	7	7
Bioengineering	1210	334	56	53	118	32	6	5
Chemical Engineering	651	260	63	61	161	60	37	35
Civil Engineering	1061	200	75	68	282	32	14	14
Computer Science	734	184	54	51	249	47	25	23
Computer Science & Engineering	1011	277	79	72	170	51	23	19
Electrical Engineering	729	322	107	101	307	117	58	51
Materials Engineering	125	82	31	28	29	9	5	5
Mechanical Engineering	1375	308	89	83	324	40	19	18
Undeclared Engineering	2072	445	129	119	N/A	N/A	N/A	N/A
Total	9738	2540	727	679	1736	398	194	177

*As reported by SEASnet on November 19, 2012

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

Graduate Admission* Statistics

2012-2013	Applicants		Admissions			Enrollments			Total
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	
Aerospace Engineering	73	62	135	50	13	63	16	8	19
Bioengineering**	231	158	389	87	49	136	33	22	44
Chemical Engineering	120	209	329	19	11	30	9	8	17
Civil Engineering	192	188	380	133	72	205	62	26	74
Computer Science	216	1071	1287	87	127	214	35	69	92
Electrical Engineering	266	1615	1881	105	256	361	39	156	176
Manufacturing Engineering	1	3	4	0	0	0	0	0	0
Materials Science & Engineering	50	195	245	37	65	102	10	28	33
Mechanical Engineering	212	332	544	143	72	215	67	21	71
MS Engineering Online***	48	3	51	32	2	34	32	1	33
Total	1409	3836	5245	693	667	1360	220	339	559
%Foreign		73.14%			49.04%			60.64%	

2011-2012	Applicants		Admissions			Enrollments			Total
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	
Aerospace Engineering	80	47	127	62	8	70	23	4	27
Biomedical Engineering	216	122	338	87	33	120	27	15	42
Chemical Engineering	143	199	342	15	12	27	5	10	15
Civil Engineering	211	186	397	145	64	209	68	29	97
Computer Science	199	807	1006	97	119	216	37	45	82
Electrical Engineering	294	1423	1717	157	254	411	70	112	182
Manufacturing Engineering	2	6	8	0	2	2	0	0	0
Materials Science & Engineering	58	164	222	33	73	106	10	22	32
Mechanical Engineering	217	261	478	160	44	204	60	26	86
MS Engineering Online	109	16	125	84	12	96	70	8	78
Total	1529	3231	4760	840	621	1461	370	271	641
%Foreign		67.88%			42.51%			42.28%	

2010-2011	Applicants		Admissions			Enrollments			Total
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	
Aerospace Engineering	86	47	133	72	5	77	27	0	27
Biomedical Engineering	217	88	305	113	42	155	45	24	69
Chemical Engineering	135	105	240	35	8	43	13	6	19
Civil Engineering	172	121	293	116	48	164	52	19	71
Computer Science	252	766	1018	137	189	326	45	86	131
Electrical Engineering	252	998	1250	131	267	398	46	138	184
Manufacturing Engineering	2	3	5	1	0	1	0	0	0
Materials Science & Engineering	55	128	183	37	52	89	18	27	45
Mechanical Engineering	184	206	390	138	36	174	58	16	74
MS Engineering Online	92	6	98	65	1	66	61	7	68
Total	1447	2468	3915	845	648	1493	365	323	688
%Foreign		63.04%			43.40%			46.95%	

*Estimates reported by SEASnet on December 11, 2012, until they can provide us with official numbers

**Effective Fall 2012, the Biomedical Engineering graduate program has been transferred to the Department of Bioengineering

***Effective F12, MS Engineering Online required the GRE for admissions, which may have caused the decrease of applicants and enrolled students in the program

Henry Samueli School of Engineering and Applied Science
 University of California, Los Angeles
 Undergraduate Enrollment *
 Foreign, Minorities, Women

	Total Enrolled	Women		Minorities		Foreign	
		Number	Percent	Number	Percent	Number	Percent
2012**	3232	684	21.16%	255	7.89%	484	14.98%
2011**	3311	692	20.90%	285	8.61%	418	12.62%
2010	3287	537	16.34%	310	9.43%	346	10.53%

Gender Breakdown by Major*
 Fall 2012

B.S. Major	Female	Male
Aerospace Engineering	18	155
Bioengineering	96	171
Chemical Engineering	106	241
Civil Engineering	136	243
Computer Science	66	342
Computer Science & Engineering	30	240
Electrical Engineering	116	608
Materials Engineering	29	106
Mechanical Engineering	51	340
Undeclared Engineering	36	102
TOTAL	684	2548

*As reported by the Office of Analysis and Information on October 19, 2012, enrollment numbers

**As of 2011, a new ethnicity category called "2 or more ethnicities" was added that is not included under minorities

Henry Samueli School of Engineering and Applied Science
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 Graduate Enrollment*
 Foreign, Minorities, Women

	Total Enrolled	Women Number	Percent	Minorities Number	Percent	Foreign Number	Percent
2012	1776	330	18.58%	98	5.52%	832	46.85%
2011	1845	368	19.95%	140	7.59%	799	43.31%
2010	1982	360	18.16%	85	4.29%	739	37.29%

Gender Breakdown by Major

	Fall 2010			Fall 2011			Fall 2012		
	Female	Male	Total	Female	Male	Total	Female	Male	Total
<u>M.S.</u>									
Aerospace Engineering	7	38	45	5	30	35	2	19	21
Bioengineering**	n/a	n/a	n/a	n/a	n/a	n/a	8	14	22
Biomedical Engineering**	7	17	24	11	16	27	n/a	n/a	n/a
Chemical Engineering	2	11	13	2	6	8	2	6	8
Civil Engineering	19	71	90	31	68	99	10	59	69
Computer Science	33	113	146	27	99	126	24	90	114
Electrical Engineering	41	203	244	58	231	289	47	260	307
Materials Science & Engineering	8	22	30	2	17	19	8	14	22
Manufacturing Engineering	0	0	0	0	0	0	0	0	0
Mechanical Engineering	16	68	84	17	53	70	17	72	89
MS Engineering Online	47	211	258	40	211	251	29	175	204
Sub-Total	180	754	934	193	731	924	147	709	856
	Female	Male	Total	Female	Male	Total	Female	Male	Total
<u>Ph.D.</u>									
Aerospace Engineering	2	26	28	3	29	32	4	24	28
Bioengineering***	n/a	n/a	n/a	n/a	n/a	n/a	53	99	152
Biomedical Engineering**	48	151	199	47	98	145	n/a	n/a	n/a
Chemical Engineering	28	70	98	28	43	71	26	41	67
Civil Engineering	29	72	101	27	46	73	25	54	79
Computer Science	23	184	207	22	172	194	19	161	180
Electrical Engineering†	16	194	210	13	168	181	17	175	192
Materials Science & Engineering	17	64	81	17	70	87	20	75	95
Manufacturing Engineering	0	0	0	0	0	0	0	0	0
Mechanical Engineering	17	107	124	18	120	138	19	108	127
Sub-Total	180	868	1048	175	746	921	183	737	920
MS and Ph.D. TOTAL	360	1622	1982	368	1477	1845	330	1446	1776

*As reported by the Office of Analysis and Information Management based on October 19, 2012, enrollment numbers

**Effective Fall 2012, the Biomedical Engineering graduate program has been transferred to the Department of Bioengineering

†One PhD student is a double major, Bioengineering and Electrical Engineering

Henry Samueli School of Engineering and Applied Science
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M.S. & Ph.D. Graduate Enrollment*– Foreign & Domestic

	Total MS	Total PhD	Domestic MS	Domestic PhD	Total Domestic	Foreign MS	Foreign PhD	Total Foreign
2012	856	920	503	441	944	353	479	832
2011	924	921	593	453	1046	331	468	799
2010	934	1048	653	590	1243	281	458	739

*As reported by the Office of Analysis and Information Management based on October 19, 2012, enrollment numbers

Henry Samueli School of Engineering and Applied Science
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Undergraduate Degrees Awarded by Major*

	2009-2010	2010-2011	2011-2012
B.S. TOTAL	634	769	716
Aerospace	52	49	50
Bioengineering	48	57	53
Chemical	84	102	85
Civil Engineering	83	100	88
Computer Science	60	67	99
Computer Science &	45	55	36
Electrical	128	175	172
Materials	16	16	25
Mechanical	118	148	108

Graduate Degrees Awarded by Major

	2009-2010	2010-2011	2011-2012
M.S. TOTAL	402	441	529
Aerospace	13	17	31
Biomedical	30	31	48
Chemical	10	6	6
Civil Engineering	51	66	84
Computer Science	90	86	103
MS Engineering	41	74	67
Electrical	79	72	112
Manufacturing	0	0	0
Materials Science &	20	20	21
Mechanical	68	69	57
Engineer Degree	3	0	1
Ph.D. TOTAL	134	132	152
Aerospace	3	4	3
Biomedical	11	13	13
Chemical Eng	11	11	15
Civil Engineering	19	6	13
Computer Science	27	27	28
Electrical	36	43	36
Manufacturing	0	0	0
Materials Science &	15	8	14
Mechanical	12	20	30
Nuclear Engineering	0	0	0
GRAD TOTAL	539	573	681

*As reported by the Office of Analysis and Information Management on October 31, 2012