

# **UCLA** ENGINEERING

## Henry Samueli School of Engineering and Applied Science

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*Birthplace of the Internet*

### **Report to the University-Wide Council on Engineering Education (UCEE)**

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

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# **UCLA** ENGINEERING

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Engineering and Applied Science

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## **Admission, Enrollment & Degree Statistics**

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**Fall Quarter Enrollment\***

Undergraduate Enrollment

	<b>2012</b>	<b>2013</b>	<b>2014</b>
Aerospace Engineering	173	180	176
Bioengineering	267	263	268
Chemical Engineering	347	344	311
Civil Engineering	379	351	310
Computer Science	408	433	486
Computer Science & Engineering	270	240	242
Electrical Engineering	724	682	684
Materials Engineering	135	147	127
Mechanical Engineering	391	389	414
Undeclared Engineering	138	131	143
<b>Total Undergraduate Enrollment</b>	<b>3,232</b>	<b>3,160</b>	<b>3,161</b>

Graduate Enrollment\*\*

	<b>2012</b>	<b>2013</b>	<b>2014</b>
Master's Degree	856	914	972
Doctoral Degree	920	940	956
<b>Total Graduate Enrollment</b>	<b>1,776</b>	<b>1,854</b>	<b>1,928</b>

**Total HSSEAS Enrollment** **5,008** **5,014** **5,089**

**UCLA Campus Undergraduate Total** **27,941** **28,674** **29,633**

**UCLA Campus Total** **41,341** **42,163** **43,239**

*\*As reported by the Office of Analysis and Information Management on November 7, 2014*

*\*\*Graduate Enrollment by specific degree and major listed on page 8*

**Undergraduate Freshman Admission Statistics\***

**2014-2015**

	<i>Applications</i>	<i>Admits</i>	<i>Admit Rate</i>	<i>Positive SJR</i>	<i>Enrolled</i>
Aerospace Engineering	1,164	141	12.1%	35	35
Bioengineering	2,232	284	12.7%	53	50
Chemical Engineering	1,388	250	18.0%	54	54
Civil Engineering	1,544	215	13.9%	63	61
Computer Science	3,335	276	8.3%	50	50
Computer Science & Engineering	2,697	337	12.5%	58	58
Electrical Engineering	1,433	360	25.1%	148	148
Materials Engineering	326	107	32.8%	25	25
Mechanical Engineering	2,788	309	11.1%	78	78
Undeclared Engineering	2,999	314	10.5%	79	79
<b>Total</b>	<b>19,906</b>	<b>2,593</b>	<b>13.0%</b>	<b>643</b>	<b>638</b>

**2013-2014**

Aerospace Engineering	1,079	139	12.9%	42	41
Bioengineering	1,849	304	16.4%	57	56
Chemical Engineering	1,202	269	22.4%	58	59
Civil Engineering	1,446	230	15.9%	67	67
Computer Science	2,149	270	12.6%	52	51
Computer Science & Engineering	2,208	307	13.9%	56	56
Electrical Engineering	1,306	396	30.3%	131	129
Materials Engineering	273	108	39.6%	42	42
Mechanical Engineering	2,384	306	12.8%	70	68
Undeclared Engineering	2,893	374	12.9%	91	89
<b>Total</b>	<b>16,789</b>	<b>2,703</b>	<b>16.1%</b>	<b>666</b>	<b>658</b>

**2012-2013**

Aerospace Engineering	922	133	14.4%	37	36
Bioengineering	1,604	315	19.6%	61	59
Chemical Engineering	955	267	28.0%	67	63
Civil Engineering	1,338	206	15.4%	75	73
Computer Science	1,568	224	14.3%	52	47
Computer Science & Engineering	1,843	260	14.1%	59	57
Electrical Engineering	1,107	388	35.0%	130	121
Materials Engineering	189	124	65.6%	39	38
Mechanical Engineering	1,978	222	11.2%	49	44
Undeclared Engineering	2,649	384	14.5%	90	81
<b>Total</b>	<b>14,153</b>	<b>2,523</b>	<b>17.8%</b>	<b>659</b>	<b>619</b>

\*As reported by SEASnet on October 31, 2014

**Undergraduate Transfer Admission Statistics\***

	<i>Applications</i>	<i>Admits</i>	<i>Admit Rate</i>	<i>Positive SJR</i>	<i>Enrolled</i>
<b>2014-2015</b>					
Aerospace Engineering	100	20	20.0%	12	12
Bioengineering	162	18	11.1%	9	9
Chemical Engineering	285	24	8.4%	10	10
Civil Engineering	226	30	13.3%	12	12
Computer Science	640	36	5.6%	21	20
Computer Science & Engineering	308	37	12.0%	13	13
Electrical Engineering	381	64	16.8%	35	35
Materials Engineering	64	7	10.9%	3	3
Mechanical Engineering	471	108	22.9%	49	49
<b>Total</b>	<b>2637</b>	<b>344</b>	<b>13.0%</b>	<b>164</b>	<b>163</b>
<b>2013-2014</b>					
Aerospace Engineering	115	18	15.7%	12	12
Bioengineering	149	13	8.7%	4	4
Chemical Engineering	239	9	3.8%	1	1
Civil Engineering	245	39	15.9%	17	17
Computer Science	501	6	1.2%	2	2
Computer Science & Engineering	224	10	4.5%	1	1
Electrical Engineering	429	34	7.9%	12	12
Materials Engineering	60	8	13.3%	3	3
Mechanical Engineering	440	34	7.7%	8	8
<b>Total</b>	<b>2,402</b>	<b>171</b>	<b>7.1%</b>	<b>60</b>	<b>60</b>
<b>2012-2013</b>					
Aerospace Engineering	121	11	9.1%	4	3
Bioengineering	150	39	26.0%	15	14
Chemical Engineering	219	26	11.9%	15	13
Civil Engineering	235	26	11.1%	10	9
Computer Science	401	19	4.7%	10	10
Computer Science & Engineering	208	34	16.3%	15	13
Electrical Engineering	357	111	31.1%	66	61
Materials Engineering	55	12	21.8%	6	6
Mechanical Engineering	398	22	5.5%	7	7
<b>Total</b>	<b>2,144</b>	<b>300</b>	<b>14.0%</b>	<b>148</b>	<b>136</b>

\*As reported by SEASnet on October 31, 2014

**Graduate Admission Statistics\***

2014-2015	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Aerospace Engineering	89	86	175	47	20	67	14	5	19
Bioengineering**	211	153	364	97	51	148	25	19	44
Chemical Engineering	141	268	409	25	21	46	11	12	23
Civil Engineering	178	250	428	116	130	246	42	43	85
Computer Science	203	1,281	1,484	100	224	324	46	132	178
Electrical Engineering	232	1,795	2,027	105	299	404	34	144	178
Manufacturing Engineering	0	10	10	0	0	0	0	0	0
Materials Science & Engineering	90	244	334	60	106	166	28	29	57
Mechanical Engineering	218	530	748	134	143	277	52	44	96
MS Engineering Online***	97	22	119	74	15	89	64	11	75
<b>Total</b>	<b>1,459</b>	<b>4,639</b>	<b>6,098</b>	<b>758</b>	<b>1,009</b>	<b>1,767</b>	<b>316</b>	<b>439</b>	<b>755</b>
% Foreign		76.07%			57.10%			58.15%	

2013-2014	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Aerospace Engineering	82	73	155	59	16	75	20	5	25
Bioengineering**	241	152	393	102	47	149	36	14	50
Chemical Engineering	108	220	328	31	14	45	13	9	22
Civil Engineering	194	241	435	138	107	245	59	38	97
Computer Science	192	1,116	1,308	102	149	251	50	61	111
Electrical Engineering	246	1,633	1,879	107	289	396	40	142	182
Manufacturing Engineering	1	3	4	0	0	0	0	0	0
Materials Science & Engineering	67	211	278	49	93	142	19	23	42
Mechanical Engineering	198	410	608	128	98	226	59	39	98
MS Engineering Online***	82	9	91	58	8	66	48	7	55
<b>Total</b>	<b>1,411</b>	<b>4,068</b>	<b>5,479</b>	<b>774</b>	<b>821</b>	<b>1,595</b>	<b>344</b>	<b>338</b>	<b>682</b>
% Foreign		74.25%			51.47%			49.56%	

2012-2013	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
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	1,071	1,287	87	127	214	35	69	92
Electrical Engineering	266	1,615	1,881	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
<b>Total</b>	<b>1,409</b>	<b>3,836</b>	<b>5,245</b>	<b>693</b>	<b>667</b>	<b>1,360</b>	<b>220</b>	<b>339</b>	<b>559</b>
% Foreign		73.14%			49.04%			60.64%	

\*As reported by SEASnet on October 31, 2014

\*\*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

**Undergraduate Enrollment\***

**Foreign Students, Minorities, and Women**

	Total Enrolled	Females Enrolled	Percent Female	Minorities Enrolled	Percent Minorities	Foreign Enrolled	Percent Foreign
<b>2014**</b>	3,161	721	22.8%	270	8.5%	592	18.7%
<b>2013**</b>	3,160	698	22.1%	246	7.8%	533	16.9%
<b>2012**</b>	3,232	684	21.2%	255	7.9%	484	15.0%

**Gender Breakdown by Major**

<b>B.S. Major</b>	<b>Male</b>	<b>Female</b>	<b>% Female</b>
Aerospace Engineering	148	28	15.9%
Bioengineering	163	105	39.2%
Chemical Engineering	208	103	33.1%
Civil Engineering	205	105	33.9%
Computer Science	404	82	16.9%
Computer Science & Engineering	206	36	14.9%
Electrical Engineering	560	124	18.1%
Materials Engineering	94	33	26.0%
Mechanical Engineering	351	63	15.2%
Undeclared Engineering	101	42	29.4%
<b>Total</b>	<b>2,440</b>	<b>721</b>	<b>22.8%</b>

\*As reported by the Office of Analysis and Information Management on November 7, 2014

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

**Graduate Enrollment\***

**Foreign Students, Minorities, and Women**

	Total Enrolled	Females Enrolled	Percent Female	Minorities Enrolled	Percent Minorities	Foreign Enrolled	Percent Foreign
<b>2014</b>	1928	424	22.0%	108	5.6%	1033	53.6%
<b>2013</b>	1854	378	20.4%	104	5.6%	930	50.2%
<b>2012</b>	1776	330	18.6%	98	5.5%	832	46.8%

**Gender Breakdown by Major**

<i>M.S.</i>	<i>Fall 2012</i>			<i>Fall 2013</i>			<i>Fall 2014</i>		
	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>
<b>Aerospace Engineering</b>	2	19	21	2	23	25	1	16	17
<b>Bioengineering**</b>	8	14	22	11	20	31	12	17	29
<b>Biomedical Engineering**</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Chemical Engineering</b>	2	6	8	4	6	10	4	9	13
<b>Civil Engineering</b>	10	59	69	30	64	94	36	40	76
<b>Computer Science</b>	24	90	114	26	117	143	58	161	219
<b>Electrical Engineering</b>	47	260	307	57	235	292	59	214	273
<b>Materials Science &amp; Engineering</b>	8	14	22	9	15	24	14	24	38
<b>Manufacturing Engineering</b>	0	0	0	0	0	0	0	0	0
<b>Mechanical Engineering</b>	17	72	89	19	78	97	17	88	105
<b>MS Engineering Online</b>	29	175	204	31	167	198	40	162	202
<b><i>M.S. Sub-Total</i></b>	<b>147</b>	<b>709</b>	<b>856</b>	<b>189</b>	<b>725</b>	<b>914</b>	<b>241</b>	<b>731</b>	<b>972</b>

<i>Ph.D.</i>	<i>Fall 2012</i>			<i>Fall 2013</i>			<i>Fall 2014</i>		
	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>
<b>Aerospace Engineering</b>	4	24	28	4	29	33	2	33	35
<b>Bioengineering**</b>	53	99	152	52	98	150	45	107	152
<b>Biomedical Engineering**</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Chemical Engineering</b>	26	41	67	26	50	76	25	62	87
<b>Civil Engineering</b>	25	54	79	23	52	75	24	39	63
<b>Computer Science</b>	19	161	180	21	140	161	19	122	141
<b>Electrical Engineering</b>	17	175	192	22	183	205	22	192	214
<b>Materials Science &amp; Engineering</b>	20	75	95	22	86	108	25	98	123
<b>Manufacturing Engineering</b>	0	0	0	0	0	0	0	0	0
<b>Mechanical Engineering</b>	19	108	127	19	113	132	21	120	141
<b><i>Ph.D. Sub-Total</i></b>	<b>183</b>	<b>737</b>	<b>920</b>	<b>189</b>	<b>751</b>	<b>940</b>	<b>183</b>	<b>773</b>	<b>956</b>

<b><i>M.S. and Ph.D. Total</i></b>	<b>330</b>	<b>1446</b>	<b>1776</b>	<b>378</b>	<b>1476</b>	<b>1854</b>	<b>424</b>	<b>1504</b>	<b>1928</b>
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\*As reported by the Office of Analysis and Information Management on November 7, 2014

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



**M.S. & Ph.D. Graduate Enrollment\*– Foreign & Domestic**

	Total		Foreign		Domestic		Total	
	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.	Domestic	Foreign
<b>2014</b>	972	956	494	539	478	417	895	1033
<b>2013</b>	914	940	410	516	504	424	928	926
<b>2012</b>	856	920	353	479	503	441	944	832

*\*As reported by the Office of Analysis and Information Management on November 7, 2014*

**Degrees Awarded**

**Undergraduate Degrees Awarded by Major\***

	2011-2012	2012-2013	2013-2014
Aerospace Engineering	50	40	40
Bioengineering	53	47	46
Chemical Engineering	85	85	90
Civil Engineering	88	95	89
Computer Science	99	114	135
Computer Science & Engineering	36	28	34
Electrical Engineering	172	153	151
Materials Engineering	25	25	25
Mechanical Engineering	108	95	110
<b>B.S. Total</b>	<b>716</b>	<b>682</b>	<b>720</b>

**Graduate Degrees Awarded by Major**

	2011-2012	2012-2013	2013-2014
Aerospace Engineering	31	12	18
Bioengineering**	n/a	22	36
Biomedical Engineering**	48	n/a	n/a
Chemical Engineering	6	4	6
Civil Engineering	84	69	86
Computer Science	103	92	75
MS Engineering Online	67	74	92
Electrical Engineering	112	168	176
Materials Science & Engineering	21	23	22
Mechanical Engineering	57	81	75
<b>M.S. Total</b>	<b>529</b>	<b>545</b>	<b>586</b>

	2011-2012	2012-2013	2013-2014
<b>Engineer Degree</b>	<b>1</b>	<b>2</b>	<b>0</b>

	2011-2012	2012-2013	2013-2014
Aerospace Engineering	3	5	4
Bioengineering**	n/a	15	29
Biomedical Engineering**	13	n/a	n/a
Chemical Engineering	15	16	6
Civil Engineering	13	9	22
Computer Science	28	29	37
Electrical Engineering	36	51	39
Materials Science & Engineering	14	16	15
Mechanical Engineering	30	19	24
<b>Ph.D. Total</b>	<b>152</b>	<b>160</b>	<b>176</b>

**Graduate Degree Total**                      **681**                      **705**                      **762**

\*As reported by the Office of Analysis and Information Management on September 24, 2014

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

**Fall Graduate Enrollment\* and Support\*\* by Major**

	2012		2013		2014	
	Enrollment	%Support	Enrollment	%Support	Enrollment	%Support
Aerospace Engr	49	0.54	58	0.53	52	0.50
Bioengineering	174	0.8	192	0.88	181	0.88
Chemical Engr	75	0.92	86	0.86	100	0.85
Civil Engr	148	0.44	169	0.46	139	0.42
Computer Science	294	0.48	304	0.52	360	0.38
Electrical Engr	499	0.58	497	0.52	487	0.57
Mechanical Engr	216	***	229	***	246	***
MS & E	117	0.9	132	0.8	161	0.55
Manufacturing	0	***	0	***	0	***
Nuclear	0	***	0	***	0	***
MS Online	204	N/A	198	N/A	202	N/A
<b>Total</b>	<b>1776</b>		<b>1865</b>		<b>1928</b>	

\*As reported by the Office of Analysis and Information Management on November 7, 2014

\*\*As reported by Engineering Graduate SAO's on November 19, 2014

\*\*\*Students in the departments of Mechanical Engineering, Manufacturing Engineering and Nuclear Engineering are counted under the department of Aerospace Engineering

**Faculty FTE by Departments\***

	<b>2012-2013</b>	<b>2013-2014</b>	<b>2014-2015</b>
Budgeted Faculty	213.71	213.21	213.21
Bioengineering	8.50	8.50	9.50
Chemical Engineering	13.00	12.50	12.50
Civil Engineering	16.00	17.00	18.00
Computer Science	30.67	30.67	30.67
Electrical Engineering	44.33	43.33	43.33
Mechanical & Aerospace Engr	29.00	30.00	33.00
Materials Science & Engineering	11.50	11.00	13.00
Biomedical Engineering IDP	0.00	0.00	0.00
	<b>152.50</b>	<b>153.00</b>	<b>160.00</b>
	<b>filled roster</b>	<b>filled roster</b>	<b>filled roster</b>
<b>Total</b>	<b>FTE</b>	<b>FTE</b>	<b>FTE</b>

\* As reported by the HSSEAS Academic Personnel Department on October 29, 2014

*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.*

*Note: Any statistical discrepancies in this report with other reported UCLA HSSEAS statistics will be due to date statistic audits were queried.*