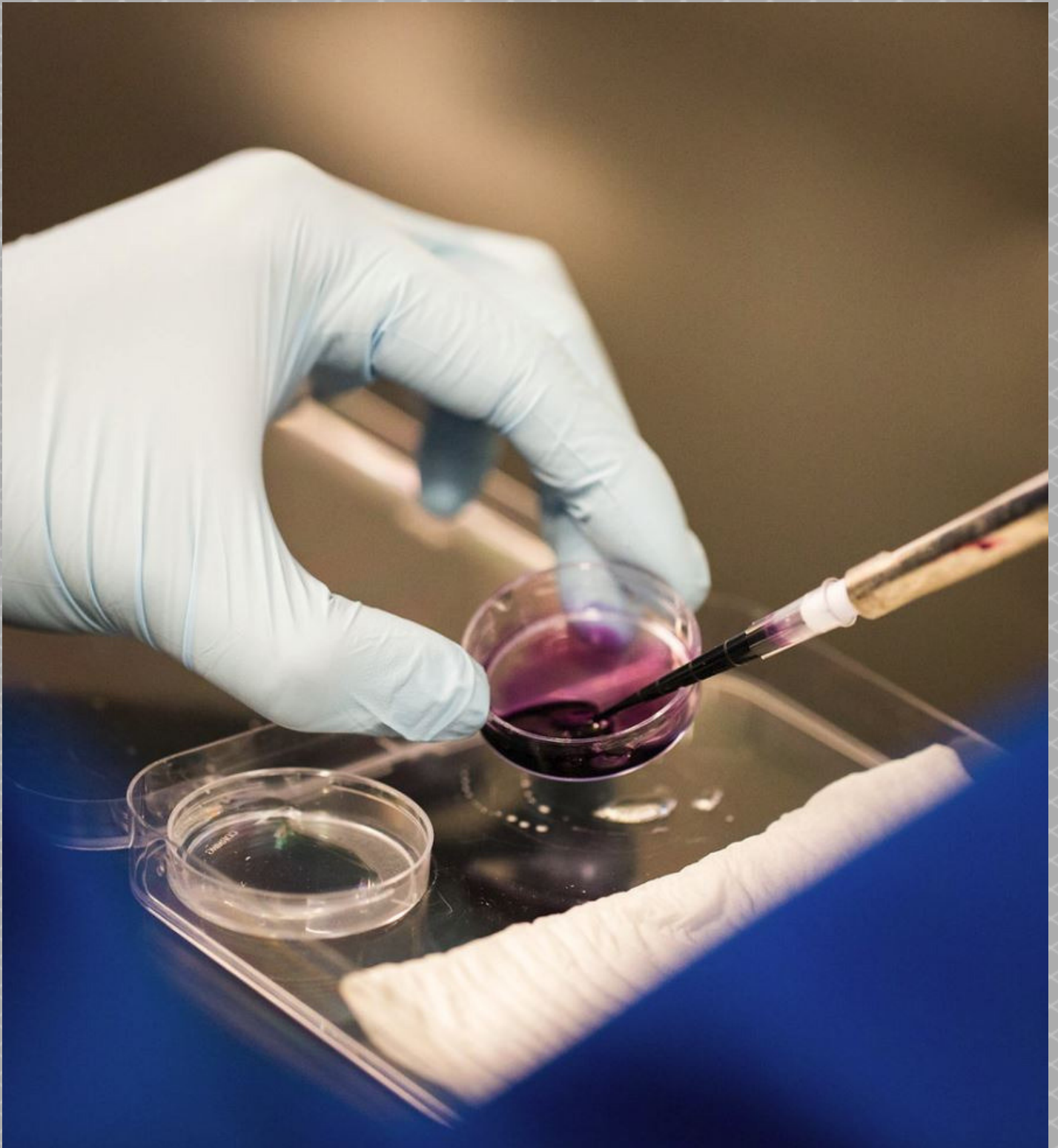# UCEE

UNIVERSITY-WIDE COUNCIL ON
ENGINEERING EDUCATION

UCLA Samueli
School of Engineering

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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Diversity and Inclusion

Prepared by:
James Washington
Completed Fall 2018

UCLA Samueli
School of Engineering

Admission, Enrollment & Degree Statistics

UCLA Samueli School of Engineering

Fall Quarter Enrollment*

Undergraduate Enrollment

	2016	2017	2018
Aerospace Engineering	195	201	223
Bioengineering	270	285	291
Chemical Engineering	321	336	323
Computer Engineering**	n/a	1	55
Civil Engineering	302	303	325
Computer Science	667	763	884
Computer Science & Engineering	331	326	356
Electrical Engineering	604	625	628
Materials Engineering	127	113	122
Mechanical Engineering	535	529	549
Undeclared Engineering	128	145	168
Total Undergraduate Enrollment	**3,480**	**3,627**	**3,924**

Graduate Enrollment

	2014	2017	2018
Master's Degree	1245	1298	1204
Doctoral Degree	942	967	1033
Total Graduate Enrollment	**2,187**	**2,265**	**2,237**
Total HSSEAS Enrollment	**5,667**	**5,892**	**6,161**
UCLA Campus Undergraduate Total	**30,873**	**31,417**	**31,572**
UCLA Campus Total	**43,548**	**44,578**	**44,530**

*As reported by the Office of Analysis and Information Management based on November 2018 enrollment numbers

**Computer Engineering Major established 2017-2018
Dual degree students are only counted once for enrollment.

UCLA | Samueli
School of Engineering

Undergraduate Freshman Admission Statistics*

	Applications	Admits	Admit Rate	Positive SIR	Enrolled
2018-2019					
Aerospace Engineering	1,701	130	7.6%	50	48
Bioengineering	2,383	281	11.8%	71	68
Chemical Engineering	1,115	272	24.4%	70	67
Civil Engineering	1,694	247	14.6%	97	94
Computer Science	6,943	567	8.2%	147	138
Computer Science & Engineering	3,197	377	11.8%	111	104
Computer Engineering	1,102	66	6.0%	22	20
Electrical Engineering	1,517	318	21.0%	147	140
Materials Engineering	357	118	33.1%	47	43
Mechanical Engineering	3,406	346	10.2%	137	123
Undeclared Engineering	2,780	265	9.5%	83	79
Total	*26,195*	*2,987*	*11.4%*	*982*	*924*
2017-2018					
Aerospace Engineering	1,496	137	9.2%	47	46
Bioengineering	2,217	324	14.6%	72	72
Chemical Engineering	1,305	283	21.7%	73	73
Civil Engineering	1,520	216	14.2%	68	68
Computer Science	5,946	581	9.8%	112	112
Computer Science & Engineering	3,666	427	11.6%	99	99
Electrical Engineering	1,444	330	22.9%	115	115
Materials Engineering	350	123	35.1%	24	24
Mechanical Engineering	3,263	318	9.7%	86	86
Undeclared Engineering	2,887	293	10.1%	95	95
Total	*24,094*	*3,032*	*12.6%*	*791*	*790*
2016-2017					
Aerospace Engineering	1,442	154	10.7%	55	52
Bioengineering	2,228	288	12.9%	66	62
Chemical Engineering	1,332	227	17.0%	68	93
Civil Engineering	1,450	220	15.2%	84	62
Computer Science	5,251	543	10.3%	115	81
Computer Science & Engineering	3,320	364	11.0%	100	107
Electrical Engineering	1,480	327	22.1%	121	121
Materials Engineering	407	124	30.5%	43	40
Mechanical Engineering	2,993	293	9.8%	87	85
Undeclared Engineering	3,122	271	8.7%	71	71
Total	*23,025*	*2,811*	*12.2%*	*810*	*774*

As Reported by SEASnet on 11/27/2018

UCLA | Samueli
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Undergraduate Transfer Admission Statistics*

	Applications	Admits	Admit Rate	Positive SIR	Enrolled
2018-2019					
Aerospace Engineering	174	24	13.8%	13	13
Bioengineering	157	17	10.8%	8	8
Chemical Engineering	203	42	20.7%	15	15
Civil Engineering	219	40	18.3%	13	13
Computer Science	1,496	115	7.7%	73	73
Computer Science & Engineering	330	71	21.5%	29	29
Computer Engineering	122	17	13.9%	6	6
Electrical Engineering	432	82	19.0%	40	40
Materials Engineering	88	8	9.1%	3	3
Mechanical Engineering	553	47	8.5%	25	24
Total	*3,774*	*463*	*12.3%*	*225*	*224*
2017-2018					
Aerospace Engineering	163	25	15.3%	15	15
Bioengineering	165	17	10.3%	8	8
Chemical Engineering	241	62	25.7%	25	24
Civil Engineering	221	38	17.2%	18	18
Computer Science	1,295	69	5.3%	40	40
Computer Science & Engineering	374	45	12.0%	14	14
Electrical Engineering	413	102	24.7%	59	59
Materials Engineering	68	14	20.6%	5	5
Mechanical Engineering	579	59	10.2%	21	21
Total	*3,519*	*431*	*12.2%*	*205*	*204*
2016-2017					
Aerospace Engineering	164	21	12.8%	14	17
Bioengineering	177	22	12.4%	16	13
Chemical Engineering	281	41	14.6%	13	12
Civil Engineering	253	41	16.2%	19	16
Computer Science	1,110	59	5.3%	33	32
Computer Science & Engineering	355	51	14.4%	29	25
Electrical Engineering	455	129	28.4%	80	82
Materials Engineering	76	9	11.8%	1	1
Mechanical Engineering	627	89	14.2%	41	42
Total	*3,498*	*462*	*13.2%*	*246*	*240*

As Reported by SEASnet on 11/27/2018

Samueli
School of Engineering

Graduate Admission Statistics*

2018-2019	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Aerospace Engineering	125	92	217	61	21	82	14	3	17
Bioengineering	213	241	454	67	61	128	22	26	48
Chemical Engineering	122	233	355	21	29	50	10	18	28
Civil Engineering	163	290	453	115	147	262	42	50	92
Computer Science	388	2,448	2,836	96	227	323	50	110	160
Electrical & Computer Engineering**	272	1,693	1,965	134	241	375	47	73	120
Manufacturing Engineering	2	4	6	1	1	2	0	0	0
Materials Science & Engineering	91	314	405	70	154	224	26	45	71
Mechanical Engineering	250	672	922	150	197	347	49	43	92
MS Engineering Online	151	23	174	131	15	146	88	4	92
Total	*1,777*	*6,010*	*7,787*	*846*	*1,093*	*1,939*	*348*	*372*	*720*
% Foreign		77.18%			56.37%			51.67%	

2017-2018	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Aerospace Engineering	93	60	153	55	10	65	21	3	24
Bioengineering	204	157	361	53	26	79	18	9	27
Chemical Engineering	128	242	370	15	17	32	9	8	17
Civil Engineering	152	350	502	123	190	313	45	66	111
Computer Science	321	2,051	2,372	92	217	309	44	128	172
Electrical Engineering	228	1,533	1,761	135	344	479	58	180	238
Manufacturing Engineering	3	7	10	0	0	0	0	0	0
Materials Science & Engineering	73	288	361	53	136	189	19	31	50
Mechanical Engineering	226	544	770	139	161	300	40	53	93
MS Engineering Online	171	37	208	134	16	150	108	9	117
Total	*1,599*	*5,269*	*6,868*	*799*	*1,117*	*1,916*	*362*	*487*	*849*
% Foreign		76.72%			58.30%			57.36%	

2016-2017	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Aerospace Engineering	94	86	180	55	14	69	20	2	22
Bioengineering	239	182	421	94	45	139	17	14	31
Chemical Engineering	133	287	420	20	29	49	7	20	27
Civil Engineering	144	290	434	114	179	293	37	51	88
Computer Science	291	2,180	2,471	96	181	277	34	99	133
Electrical Engineering	208	1,754	1,962	113	344	457	33	152	185
Manufacturing Engineering	0	8	8	0	0	0	0	0	0
Materials Science & Engineering	72	273	345	53	131	184	18	40	58
Mechanical Engineering	229	561	790	150	158	308	52	43	95
MS Engineering Online	145	27	172	109	16	125	91	10	101
Total	*1,555*	*5,648*	*7,203*	*804*	*1,097*	*1,901*	*309*	*431*	*740*
% Foreign		78.41%			57.71%			58.24%	

** Starting Fall 2018 Electrical Engineering was renamed Electrical and Computer Engineering
As reported by SEASnet on 12/20/2018
Also Reported by AIM on 1/24/2019

UCLA Samueli School of Engineering

Undergraduate Enrollment*

Foreign Students, Minorities, and Women

	Total Enrolled	Females Enrolled	Percent Female	Minorities Enrolled	Percent Minorities	Foreign Enrolled	Percent Foreign
2018**	3,924	1,052	26.9%	404	10.3%	541	13.8%
2017**	3,627	922	25.4%	361	10.0%	696	19.2%
2016**	3,494	824	23.6%	318	9.1%	607	17.4%

Gender Breakdown by Major

B.S. Major	Male	Female	% Female
Aerospace Engineering	177	46	20.6%
Bioengineering	149	142	48.8%
Chemical Engineering	186	137	42.4%
Civil Engineering	202	122	37.7%
Computer Engineering	42	13	23.6%
Computer Science	675	202	23.0%
Computer Science & Engineering	281	74	20.8%
Electrical Engineering	530	96	15.3%
Materials Engineering	78	43	35.5%
Mechanical Engineering	428	120	21.9%
Undeclared Engineering	111	57	33.9%
Total	*2,859*	*1,052*	*26.9%*

Undergraduate Enrollment - Foreign & Domestic

B.S. Major	Domestic	Foreign	% Foreign
Aerospace Engineering	206	17	7.6%
Bioengineering	281	10	3.4%
Chemical Engineering	294	29	9.0%
Civil Engineering	291	34	10.5%
Computer Engineering	48	7	12.7%
Computer Science	675	209	23.6%
Computer Science & Engineering	315	51	13.9%
Electrical Engineering	529	99	15.8%
Materials Engineering	111	11	9.0%
Mechanical Engineering	491	58	10.6%
Undeclared Engineering	152	16	9.5%
Total	*3,393*	*541*	*13.8%*

As reported by the Office of Analysis and Information Management in November 2018

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

**** Total for gender breakdown by major does not include 13 students who declined to identify their sex*

UCLA | Samueli School of Engineering

Graduate Enrollment*

Foreign Students, Minorities, and Women

	Total Enrolled	Females Enrolled	Percent Female	Minorities Enrolled	Percent Minorities	Foreign Enrolled	Percent Foreign
2018	2237	514	23.0%	154	6.9%	1256	56.1%
2017	2265	506	22.3%	130	5.7%	1280	56.5%
2016	2187	503	23.0%	119	5.4%	1217	55.6%

Gender Breakdown by Major

	Fall 2016			Fall 2017			Fall 2018		
M.S.	Female	Male	Total	Female	Male	Total	Female	Male	Total
Aerospace Engineering	1	25	26	2	25	27	2	19	21
Bioengineering**	17	19	36	10	18	28	10	15	25
Chemical Engineering	4	19	23	2	12	14	1	16	17
Civil Engineering	37	76	113	41	73	114	36	65	101
Computer Science	66	133	199	81	158	239	81	162	243
Electrical Engineering	79	255	334	69	279	348	60	220	280
Materials Science & Engineering	22	34	56	23	37	60	23	50	73
Manufacturing Engineering	0	0	0	0	0	0	0	0	0
Mechanical Engineering	18	89	107	14	101	115	9	76	85
MS Engineering Online	63	288	351	67	286	353	77	282	359
M.S. Sub-Total	*307*	*938*	*1245*	*309*	*989*	*1298*	*299*	*905*	*1204*

	Fall 2016			Fall 2017			Fall 2018		
Ph.D.	Female	Male	Total	Female	Male	Total	Female	Male	Total
Aerospace Engineering	2	37	39	1	37	39	2	29	31
Bioengineering†	35	78	113	38	69	113	38	84	122
Chemical Engineering	20	62	82	23	63	82	18	65	83
Civil Engineering	25	40	65	22	50	65	24	48	72
Computer Science	27	118	145	31	117	145	38	138	176
Electrical Engineering†	32	188	220	29	201	220	34	200	234
Materials Science & Engineering	29	92	121	28	93	121	32	97	129
Manufacturing Engineering	0	0	0	0	0	0	0	0	0
Mechanical Engineering	26	131	157	25	140	157	29	158	187
Ph.D. Sub-Total	*196*	*746*	*942*	*197*	*770*	*942*	*215*	*819*	*1034*
M.S. and Ph.D. Total	*503*	*1684*	*2187*	*506*	*1759*	*2240*	*514*	*1724*	*2238*

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
2018	1204	1033	563	692	641	341	982	1255
2017	1298	967	647	633	651	334	985	1280
2016	1245	942	615	602	630	340	970	1217

As reported by the Office of Analysis and Information Management in November 2018
†One PhD student is a double major, Bioengineering and Electrical Engineering

Degrees Awarded

Undergraduate Degrees Awarded by Major*

	2015-2016	2016-2017	2017-2018
Aerospace Engineering	34	44	38
Bioengineering	65	65	51
Chemical Engineering	82	91	82
Civil Engineering	66	69	71
Computer Science	183	187	215
Computer Science & Engineering	30	36	42
Computer Engineering	N\A	N\A	N\A
Electrical Engineering	130	129	154
Materials Engineering	29	35	28
Mechanical Engineering	101	129	137
B.S. Total	*720*	*785*	*818*

Graduate Degrees Awarded by Major

	2015-2016	2016-2017	2017-2018
Aerospace Engineering	12	11	24
Bioengineering	41	37	26
Chemical Engineering	9	8	9
Civil Engineering	76	109	94
Computer Science	162	110	111
MS Engineering Online	93	114	140
Electrical Engineering	152	204	169
Materials Science & Engineering	24	23	28
Mechanical Engineering	70	100	105
M.S. Total	*639*	*716*	*706*

	2015-2016	2016-2017	2017-2018
Engineer Degree	*1*	*0*	*0*

	2015-2016	2016-2017	2017-2018
Aerospace Engineering	6	6	7
Bioengineering	19	29	19
Chemical Engineering	16	13	16
Civil Engineering	16	7	9
Computer Science	26	21	22
Electrical Engineering	37	42	29
Materials Science & Engineering	20	19	22
Mechanical Engineering	23	19	30
Ph.D. Total	*163*	*156*	*154*

| *Graduate Degree Total* | *803* | *872* | *860* |

As reported by the Office of Analysis and Information Management in November 2018

UCLA **Samueli**
School of Engineering

Faculty FTE by Departments

	2016-2017	2017-2018	2018-2019
Budgeted Faculty	213.21	213.21	218.21
Bioengineering	10.50	12.00	13.50
Chemical Engineering	13.50	12.50	13.50
Civil Engineering	19.00	20.50	19.00
Computer Science	39.17	34.67	37.67
Electrical Engineering	45.83	46.33	44.83
Mechanical & Aerospace Engr	34.00	35.00	37.00
Materials Science & Engineering	13.00	12.00	13.00
Biomedical Engineering IDP	0.00	0.00	0.00
Total	*175.00 filled roster FTE*	*173.0 filled roster FTE*	*178.50 filled roster 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.

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