UNIVERSITY- WIDE COUNCIL ON ENGINEERING EDUCATION

UCEE

2020-2021

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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Associate Dean
Academic and Student Affairs

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Associate Dean
Research and Physical Resources

Jenn-Ming Yang
Associate Dean
International Initiatives & Online Programs

Jia-Ming Liu
Associate Dean
Academic Personnel

Veronica Santos
Associate Dean
Diversity and Inclusion

Prepared by:
James Washington
Completed Fall 2020

UCLA Samueli
School of Engineering

Admission, Enrollment & Degree Statistics

Fall Quarter Enrollment*

Undergraduate Enrollment

	2018	2019	2020
Aerospace Engineering	223	231	244
Bioengineering	291	293	291
Chemical Engineering	323	323	308
Computer Engineering	55	95	116
Civil Engineering	325	328	341
Computer Science	884	964	1019
Computer Science & Engineering	356	297	258
Electrical Engineering	628	578	564
Materials Engineering	122	143	138
Mechanical Engineering	549	568	600
Undeclared Engineering	168	136	79
Total Undergraduate Enrollment	*3,924*	*3,956*	*3,958*

Graduate Enrollment

	2018	2019	2020
Master's Degree	1204	1110	1100
Engineer	N/A	1	N/A
Doctoral Degree	1033	1082	1088
Total Graduate Enrollment	*2,237*	*2,193*	*2,188*

Total Samueli Engineering Enrollment	*6,161*	*6,149*	*6,146*
UCLA Campus Undergraduate Total	*31,572*	*31,543*	*31,636*
UCLA Campus Total	*44,530*	*44,371*	*44,589*

*As reported by the Office of Analysis and Information Management based on November 2020 enrollment numbers

Dual degree students are only counted once for enrollment.

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Undergraduate Freshman Admission Statistics*

	Applications	Admits	Admit Rate	Positive SIR	Enrolled
2020-2021					
Aerospace Engineering	1,773	139	7.8%	59	57
Bioengineering	1,954	292	14.9%	59	59
Chemical Engineering	953	255	26.8%	65	63
Civil Engineering	1,620	201	12.4%	89	88
Computer Science	7,410	634	8.6%	118	118
Computer Science & Engineering	2,603	267	10.3%	71	71
Computer Engineering	1,094	60	5.5%	17	17
Electrical Engineering	1,363	254	18.6%	109	108
Materials Engineering	347	104	30.0%	27	27
Mechanical Engineering	3,101	284	9.2%	103	102
Undeclared Engineering	1,821	150	8.2%	42	41
Total	**24,039**	**2,640**	**11.0%**	**759**	**751**
2019-2020					
Aerospace Engineering	1,726	145	8.4%	52	51
Bioengineering	2,251	259	11.5%	69	69
Chemical Engineering	1,090	210	19.3%	71	71
Civil Engineering	1,623	182	11.2%	77	77
Computer Science	7,514	648	8.6%	140	140
Computer Science & Engineering	2,889	219	7.6%	48	48
Computer Engineering	1,048	49	4.7%	12	12
Electrical Engineering	1,334	237	17.8%	102	98
Materials Engineering	377	75	19.9%	30	30
Mechanical Engineering	3,239	286	8.8%	115	114
Undeclared Engineering	2,713	195	7.2%	62	62
Total	**25,804**	**2,505**	**9.7%**	**778**	**772**
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**

As Reported by SEASnet on 11-19-20

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Undergraduate Transfer Admission Statistics*

	Applications	Admits	Admit Rate	Positive SIR	Enrolled
2020-2021					
Aerospace Engineering	209	20	9.6%	15	15
Bioengineering	137	19	13.9%	3	3
Chemical Engineering	181	50	27.6%	20	20
Civil Engineering	250	54	21.6%	17	17
Computer Science	1,697	76	4.5%	47	46
Computer Science & Engineering	358	24	6.7%	8	8
Computer Engineering	186	5	2.7%	4	4
Electrical Engineering	369	112	30.4%	60	56
Materials Engineering	40	14	35.0%	3	3
Mechanical Engineering	543	76	14.0%	34	34
Total	*3,970*	*450*	*11.3%*	*211*	*206*
2019-2020					
Aerospace Engineering	176	26	14.8%	17	17
Bioengineering	150	20	13.3%	8	8
Chemical Engineering	206	55	26.7%	25	24
Civil Engineering	199	45	22.6%	17	17
Computer Science	1,633	89	5.5%	54	54
Computer Science & Engineering	291	43	14.8%	18	18
Computer Engineering	124	12	9.7%	7	7
Electrical Engineering	399	92	23.1%	53	51
Materials Engineering	65	12	18.5%	6	6
Mechanical Engineering	517	76	14.7%	27	26
Total	*3,760*	*470*	*12.5%*	*232*	*228*
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*

*As Reported by SEASnet on 11-19-20

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Graduate Admission Statistics*

2020-2021	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Aerospace Engineering	110	53	163	66	17	83	27	4	31
Bioengineering	192	232	424	103	100	203	25	21	46
Chemical Engineering	79	220	299	23	13	36	15	9	24
Civil Engineering	131	255	386	113	150	263	48	35	83
Computer Science	485	2757	3,242	69	169	238	37	72	109
Electrical & Computer Engineering**	232	1621	1,853	152	427	579	52	95	147
Manufacturing Engineering	2	3	5	1	0	1	1	0	1
Materials Science & Engineering	84	218	302	51	101	152	13	10	23
Mechanical Engineering	197	532	729	133	211	344	45	42	87
MS Engineering Online	202	22	224	163	14	177	134	10	144
Total	*1,714*	*5,913*	*7,627*	*808*	*1,202*	*2,010*	*397*	*298*	*695*
% Foreign		77.53%			59.80%			42.88%	

2019-2020	Applicants			Admits			Enrolled		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Aerospace Engineering	88	50	138	46	9	55	16	3	19
Bioengineering	225	225	450	72	48	120	17	16	33
Chemical Engineering	94	251	345	20	33	53	5	22	27
Civil Engineering	143	288	431	115	154	269	35	49	84
Computer Science	455	2556	3,011	113	197	310	53	111	164
Electrical & Computer Engineering**	235	1644	1,879	132	397	529	42	139	181
Manufacturing Engineering	3	2	5	2	0	2	1	0	1
Materials Science & Engineering	65	303	368	38	84	122	6	22	28
Mechanical Engineering	196	493	689	102	147	249	21	34	55
MS Engineering Online	194	19	213	149	10	159	100	7	107
Total	*1,698*	*5,831*	*7,529*	*743*	*1,079*	*1,822*	*296*	*403*	*699*
% Foreign		77.45%			59.22%			57.65%	

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 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%	

As reported by go.grad.ucla.edu on 11/20/2020
** Starting Fall 2018 Electrical Engineering was renamed Electrical and Computer Engineering

![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
2020*	3,958	1,138	28.8%	435	11.0%	475	12.0%
2019	3,956	1,097	27.7%	446	11.3%	495	12.5%
2018	3,924	1052	26.8%	404	10.3%	541	13.8%

Gender Breakdown by Major

B.S. Major	Male	Female	Unknown	% Female
Aerospace Engineering	193	50	1	20.5%
Bioengineering	129	162	0	55.7%
Chemical Engineering	168	139	1	45.1%
Civil Engineering	183	158	0	46.3%
Computer Engineering	93	23	0	19.8%
Computer Science	776	238	5	23.4%
Computer Science & Engineering	198	59	1	22.9%
Electrical Engineering	448	114	2	20.2%
Materials Engineering	84	53	1	38.4%
Mechanical Engineering	478	120	2	20.0%
Undeclared Engineering	57	22	0	27.8%
Total	*2,807*	*1,138*	*13*	*28.8%*

Undergraduate Enrollment - Foreign & Domestic

B.S. Major	Domestic	Foreign	% Foreign
Aerospace Engineering	230	14	5.7%
Bioengineering	274	17	5.8%
Chemical Engineering	271	37	12.0%
Civil Engineering	322	19	5.6%
Computer Engineering	105	11	9.5%
Computer Science	827	192	18.8%
Computer Science & Engineering	233	25	9.7%
Electrical Engineering	489	75	13.3%
Materials Engineering	124	14	10.1%
Mechanical Engineering	548	52	8.7%
Undeclared Engineering	60	19	24.1%
Total	*3,483*	*475*	**12.0%**

* As reported by the Office of Analysis and Information Management in November 2020

**207 Students did not report an ethnicity

***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
2020	2188	517	23.6%	183	8.4%	1088	49.7%
2019	2193	495	22.6%	155	7.1%	1214	55.4%
2018	2237	533	23.8%	130	5.8%	1280	57.2%

Gender Breakdown by Major   **M.S. & Ph.D. Graduate Enrollment– Foreign**

	Fall 2020					Fall 2020			
M.S.	**Female**	**Male**	**Unknown**	**Total**		**Foreign**	**Domestic**	**Unknown**	**Total**
Aerospace Engineering	1	20	0	21		2	19	0	21
Bioengineering	20	14	0	34		13	21	0	34
Chemical Engineering	5	20	0	25		17	8	0	25
Civil Engineering	35	39	0	74		25	49	0	74
Computer Science	38	139	1	178		104	74	0	178
Electrical & Computer Engineering	42	185	0	227		154	73	0	227
Materials Science & Engineering	10	22	0	32		20	12	0	32
Manufacturing Engineering	1	1	0	2		1	1	0	2
Mechanical Engineering	10	56	0	66		25	41	0	66
MS Engineering Online	104	337	0	441		21	420	0	441
M.S. Sub-Total	**266**	**833**	**1**	**1100**		**382**	**718**	**0**	**1100**

	Fall 2020					Fall 2020			
Ph.D.	**Female**	**Male**	**Unknown**	**Total**		**Foreign**	**Domestic**	**Unknown**	**Total**
Aerospace Engineering	7	29	0	36		6	30	0	36
Bioengineering	44	78	0	122		66	56	0	122
Chemical Engineering	25	54	0	79		44	35	0	79
Civil Engineering	38	67	0	105		75	30	0	105
Computer Science	45	154	0	199		140	59	0	199
Electrical & Computer Engineering†	31	213	0	244		189	55	0	244
Materials Science & Engineering	29	83	0	112		68	44	0	112
Manufacturing Engineering	0	0	0	0		0	0	0	0
Mechanical Engineering	32	158	1	191		118	73	0	191
Ph.D. Sub-Total	**251**	**836**	**1**	**1088**		**706**	**382**	**0**	**1088**
M.S. and Ph.D. Total	**517**	**1669**	**2**	**2188**		**1088**	**1100**	**0**	**2188**

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**
2020	1100	1088	382	706	718	382	1100	1088
2019	1110	1083	479	734	631	349	980	1213
2018	1204	1033	563	692	641	341	982	1255

As reported by the Office of Analysis and Information Management in November 2020
†One student is working towards an Engineering Degree

Degrees Awarded

Undergraduate Degrees Awarded by Major*

	2017-2018	2018-2019	2019-2020
Aerospace Engineering	38	43	55
Bioengineering	51	72	59
Chemical Engineering	82	86	71
Civil Engineering	71	65	91
Computer Science	215	247	286
Computer Science & Engineering	42	52	51
Computer Engineering	N\A	4	21
Electrical Engineering	154	149	150
Materials Engineering	28	20	27
Mechanical Engineering	137	154	129
B.S. Total	*818*	*892*	*940*

Graduate Degrees Awarded by Major

	2017-2018	2018-2019	2019-2020
Aerospace Engineering	24	7	16
Bioengineering	26	19	21
Chemical Engineering	9	9	6
Civil Engineering	94	95	75
Computer Science	111	161	130
MS Engineering Online	140	129	117
Electrical and Computer Engineering	169	209	114
Materials Science & Engineering	28	27	27
Mechanical Engineering	105	76	58
M.S. Total	*706*	*732*	*564*

	2017-2018	2018-2019	2019-2020
Engineer Degree	*0*	*0*	*1*

	2017-2018	2018-2019	2019-2020
Aerospace Engineering	7	3	3
Bioengineering	19	21	19
Chemical Engineering	16	17	22
Civil Engineering	9	13	8
Computer Science	22	24	20
Electrical Engineering & Computer	29	39	33
Materials Science & Engineering	22	23	24
Mechanical Engineering	30	18	31
Ph.D. Total	*154*	*158*	*160*

	2017-2018	2018-2019	2019-2020
Graduate Degree Total	*860*	*890*	*725*

As reported by the Office of Analysis and Information Management in November 2020

UCLA Samueli
School of Engineering

Faculty FTE by Departments

	2018-2019	2019-2020	2020-2021
Budgeted Faculty	218.21	218.21	218.21
Bioengineering	13.50	14.50	12.50
Chemical Engineering	13.50	13.50	15.00
Civil Engineering	19.00	20.00	22.00
Computer Science	37.67	36.67	38.17
Electrical Engineering	44.83	45.83	44.83
Mechanical & Aerospace Engr	37.00	36.00	36.00
Materials Science & Engineering	13.00	14.00	16.00
Biomedical Engineering IDP	0.00	0.00	0.00
Total	*178.50 filled roster FTE*	*180.50 filled roster FTE*	*190 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 Samueli statistics, will be due to date statistic audits were queried.