

College of Engineering

Diversity and Inclusion

Demographic Data Update

Fall 2020

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November 2, 2020

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Summary assessment of progress towards five-year goals

The five-year goals for 2017-2022 defined in the College of Engineering Strategic Plan for Diversity and Inclusion are shown, followed by a summary assessment of the current status. Green shading indicates a target goal has been met. Appendix A defines the department and program acronyms.

FIVE-YEAR GOALS			
	Demographics for each department and for the College as a whole	Disparities (racial, gender) for the College as a whole	Climate
Faculty	25% women 10% URGs	<ul style="list-style-type: none"> • No disparities in retention rates • Continuous improvement towards no disparities in T/TT vs. CT, and in distribution across ranks 	Inclusive, supportive
Graduate students	Among incoming students: 33% women 25% URGs (among domestic)	No disparities in retention rates	Inclusive, supportive
Undergraduate students	Among incoming students: 30% women 15% URGs	No disparities in 6-year graduation rates (70% for all)	Inclusive, supportive
Staff	30% women on technical staff 20% URGs on all staff 20% men on administrative staff	Continuous improvement towards no disparities in managerial vs. non-managerial	Inclusive, supportive

*T/TT = Tenured/tenure-track. CT=Continuing track. URG=From underrepresented group (i.e., non-White, non-Asian)

Faculty

	Target	COE	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG
Women	25%	24%	38%	24%	26%	31%	17%	24%	17%
URG	10%	7%	0%	16%	6%	0%	7%	14%	3%

Graduate students (incoming)

	Target	COE	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG
Women	33%	35%	64%	31%	57%	32%	12%	67%	32%
URG (domestic)	25%	12%	0%	0%	25%	7%	22%	67%	0%

Undergraduate students (incoming)

	Target	COE	Biomed	Chem	Civil	Comp Eng	Comp Sci	Const Mgmt	Elec	Env	Mat Sci	Mech	Undecl
Women	30%	30%	60%	39%	17%	12%	34%	25%	4%	65%	25%	16%	30%
URG	15%	18%	13%	9%	22%	34%	18%	8%	38%	15%	25%	15%	21%

Staff

	Target	COE
Women on technical staff	30%	10%
Men on administrative staff	20%	10%
URG on all staff	20%	11%

Highlights

Faculty

Gender

- College is just short of target at 24%, unchanged from prior year. (Fig. 3)
- 3 of 7 departments are meeting the 25% target while 2 others are at 24%. (Fig. 4)
- The College is in the top 24th percentile of all U.S. colleges of engineering in terms of percentage of women T/TT faculty, up from a year earlier (Table 1)
- Two departments (BMEG and CISC) are in the top 20th percentile of all U.S. colleges of engineering in terms of percentage of women T/TT faculty. (Table 1)
- ELEG is the only department without a women full professor (Fig. 5)
- All departments have at least four women faculty (Fig. 6)

URG

- The College has remained at 7% URG faculty over the last 3 years. (Fig. 3)
- 2 of 7 departments met the 10% target (CHEG and MSEG). (Fig. 7)
- BMEG and CISC have no URG faculty. (Fig. 8)
- The College is in the top 26th percentile of all U.S. colleges of engineering in terms of percentage of URG TT/T faculty. (Table 2)
- Four departments (CHEG, CIEG, ELEG and MSEG) are in the top 25th percentile of all U.S. colleges of engineering in terms of percentage of URG TT/T faculty. (Table 2)
- All but one URG faculty in the College are tenured or tenure-track. (Fig. 8)

Staff

- The percentage of men in administrative support is trending downward. (Fig. 10)
- The percentage of women on the College staff increased (52% to 55%) from last year; the percentage of women in managerial roles stayed flat (Fig. 10,11)
- The percentage of URG College staff is at 11%, up slightly from prior year but still short of 20% target. (Fig.12)

Graduate students

Gender

- The percentage of all graduate students who are women grew 2 points (27% to 29%) from last year. (Fig. 15)
- Women comprised 35% of incoming graduate students, exceeding the 33% target. (Fig. 16)
- 3 of 7 departments met the 33% target for incoming students (BMEG, CIEG, and MSEG) while 3 others fell just short. (Fig. 16)
- The College is in the 61st percentile of all U.S. colleges of engineering in terms of percentage of women graduate students, down 5 points from prior year (Table 3).
- MEEG and MSEG are in the top third percentile of all U.S. colleges of engineering in terms of percentage of women graduate students (Table 3).

Graduate students (cont.)

URG

- The % of URG domestic graduate students in the College has declined over the last 3 years (Fig. 15).
- The % of incoming URG domestic graduate students for the College (12%) was less than half of the 25% target (Fig. 19)
- 3 of 7 departments had no incoming URG domestic graduate students (BMEG, CHEG and MEEG) (Fig. 19).
- The College is now in the bottom half of all U.S. engineering colleges in terms of % of URG domestic graduate students (Table 4)

Undergraduate students

Gender

- The % of women undergraduate students in the College reached a 10-year high of 28% (Fig. 23)
- The College met the 30% target for incoming women undergraduate students in 2020 (Fig. 24)
- 5 of 11 programs met or exceeded the 30% target for incoming women undergraduate students (Fig. 24)
- The College is in the top quarter percentile of all U.S. colleges of engineering in terms of percentage of women undergraduates (Table 5)
- 4 departments (BMEG, CIEG, CISC, and MSEG) are in the top third percentile of all U.S. colleges of engineering in terms of percentage of women undergraduate students (Table 5)
- Chemical Engineering again finished in the bottom 10th percentile of all U.S. colleges of engineering in terms of percentage of women undergraduate students (Table 5)
- The most recent six-year graduation rate within original major for women in the College is 65%, compared to 58% for majority students (Fig. 30)

URG

- The percentage of undergraduate URG students in the College grew 2 points (13% to 15%) from the prior year, the highest percentage seen over the last 10 years. (Fig. 23)
- The College exceeded the 15% target for incoming undergraduate URG students in 2020 (Fig. 27)
- 8 of 11 programs met or exceeded the 15% target for incoming URG undergraduate students, compared to only 4 programs last year. (Fig. 27)
- The College remains below the median among all U.S. colleges of engineering in terms of percentage of undergraduate URG students. (Table 6)
- The most recent six-year graduation rate within original major for undergraduate URG students in the College is 59%, compared to 58% for majority students (Fig. 30)

1. Introduction

During 2017, an initiative was undertaken by groups of COE stakeholders to define quantifiable demographic targets for the COE to achieve inclusive excellence across four constituent groups—faculty, staff, graduate students, and undergraduate students. Five-year goals were identified and presented in the resulting *College of Engineering Strategic Plan for Diversity and Inclusion* available at <https://www.engr.edu/initiatives/diversity-inclusion> (Figure 1).

FIVE-YEAR GOALS			
	Demographics for each department and for the College as a whole	Disparities (racial, gender) for the College as a whole	Climate
Faculty	25% women 10% URGs	<ul style="list-style-type: none"> No disparities in retention rates Continuous improvement towards no disparities in T/TT vs. CT, and in distribution across ranks 	Inclusive, supportive
Graduate students	Among incoming students: 33% women 25% URGs (among domestic)	No disparities in retention rates	Inclusive, supportive
Undergraduate students	Among incoming students: 30% women 15% URGs	No disparities in 6-year graduation rates (70% for all)	Inclusive, supportive
Staff	30% women on technical staff 20% URGs on all staff 20% men on administrative staff	Continuous improvement towards no disparities in managerial vs. non-managerial	Inclusive, supportive

*T/TT = Tenured/tenure-track. CT=Continuing track. URG=From underrepresented group (i.e., non-White, non-Asian)

Figure 1. Five-year goals for College diversity and inclusion

In conjunction with the Strategic Plan, an addendum report of summarized metrics was prepared in September 2017 to measure the current state of the COE with respect to those five-year goals and provide historical context. This report is the third in a series of annual updates to those September 2017 figures, which ongoing will be produced each Fall to assess progress and provide insights on this initiative.

The report is comprised of both current measures for the College of Engineering, and historical comparative data for the COE and other U.S. Engineering schools. For each of the constituent groups, current data as of Fall 2020 was derived from UD internal sources. For the faculty and student populations, the historical comparative measures were based on data from the American Society for Engineering Education (ASEE). For staff, comparative statistics were drawn from the U.S. Census Bureau. Similar to the Sept 2017 report, although the College values and seeks diversity in all respects, metrics here focus on diversity with respect to women and underrepresented groups (defined in engineering as non-White, non-Asian).

Owing to limitations in the ASEE data, comparative measures for faculty only consider tenured/tenure-track (T/TT) faculty, not continuing track (CT) faculty. Comparative metrics include comparisons to all institutions in the ASEE database, as well as the 25-school comparative set defined by the University (Appendix A).

2. Faculty Data

2.1 Overview

Notes for faculty data:

- Only faculty with primary appointments with COE are considered.
- Includes faculty with administrative appointments in their home departments, except the Dean who is not included as faculty (consistent with UD records).
- Does not include non-COE faculty with secondary appointments with COE, Non-Tenure Temporary Faculty (i.e., Research Faculty), or faculty on non-paid leave of absence.
- URG status (non-white, non-Asian) was determined from the faculty member's Primary Ethnicity
- In the comparison with other universities, for college-level data over time, for each school, we sum only students in the same departments/programs we have in UD COE.
- Department acronyms are defined in Appendix A.

Figure 2 presents the number of women, URG and total (T/TT and CT) faculty for the College of Engineering over the last 5 years.

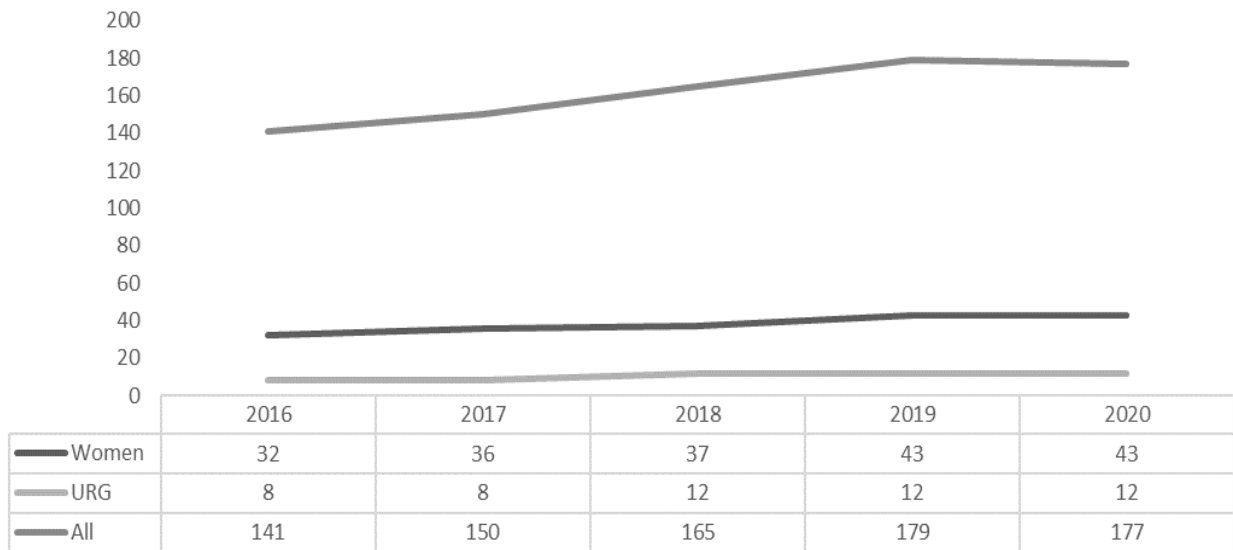


Figure 2. No. of women, URG and all faculty, T/TT and CT, COE, prior 5 years (2016-2020)

Figure 3 presents the percentage of women and URG faculty for the College of Engineering over the last 5 years.

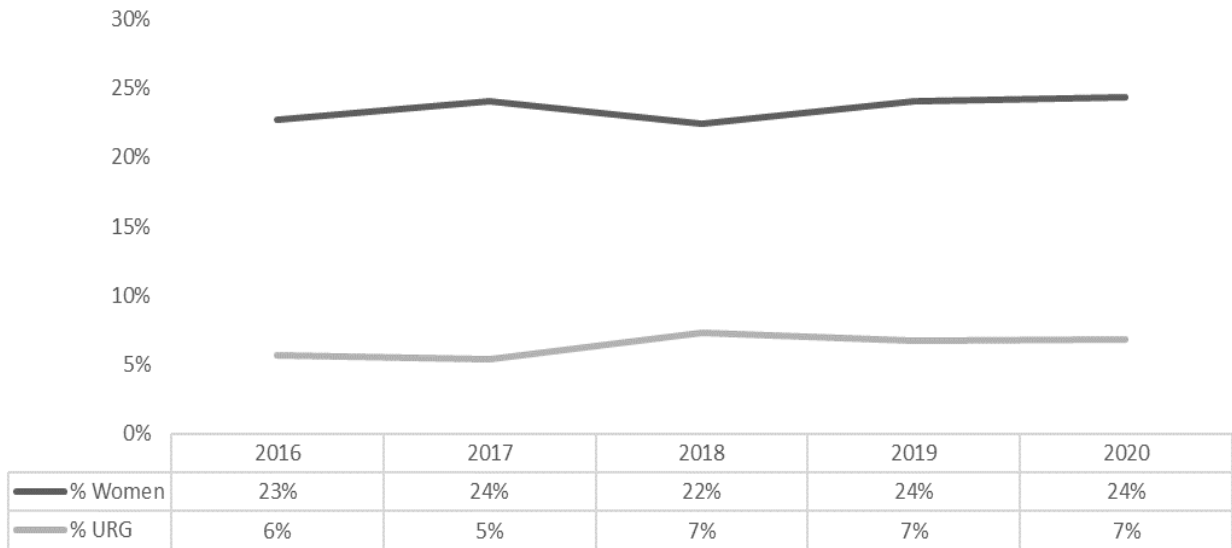


Figure 3. % of women and URG faculty, COE, prior 5 years (2016-2020)

2.2 Gender

Figure 4 summarizes the percentage of women faculty in the College of Engineering as of Fall 2020 by job rank and title. Figure 5 presents the actual number of women faculty by job rank and title at the department level. In both cases T/TT and CT faculty are included, as this data is available within UD sources.

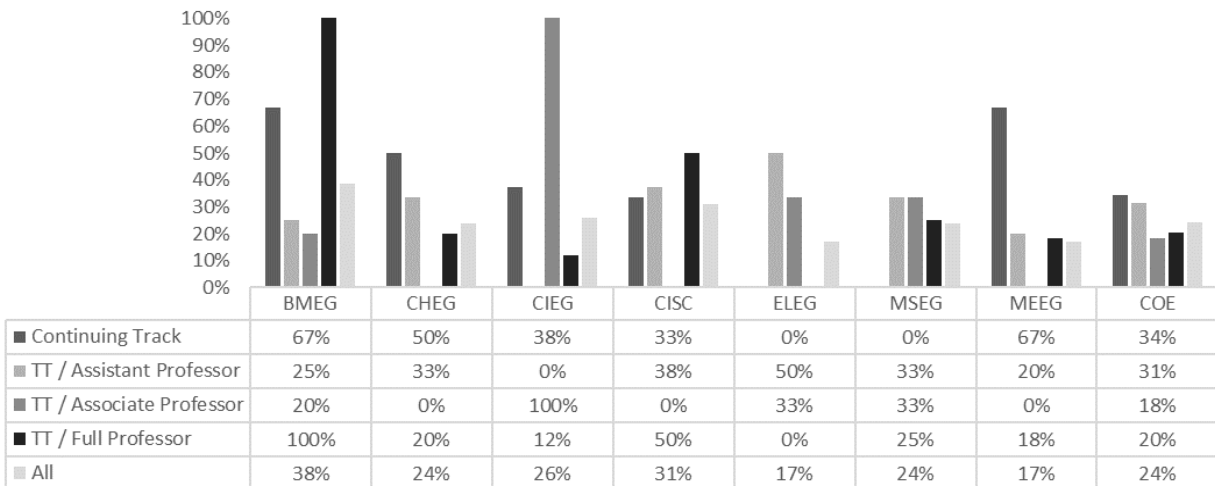


Figure 4. % of Women T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2020

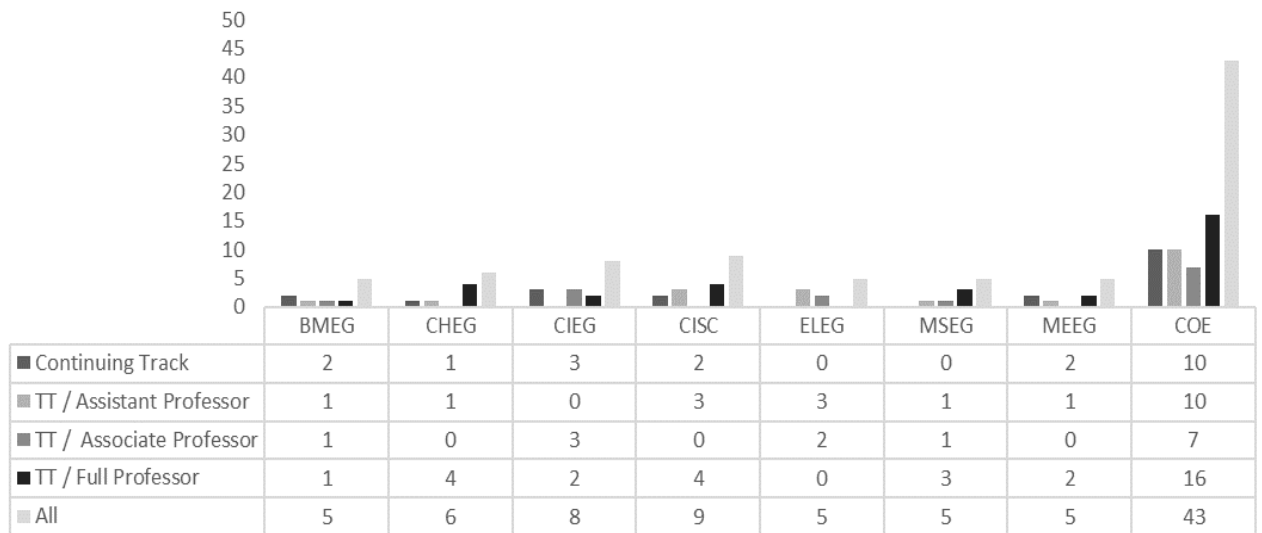


Figure 5. No. of women T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2020

Figure 6 illustrates the change by department in the number of TT/T and CT women faculty at the College of Engineering over the last 5 years.

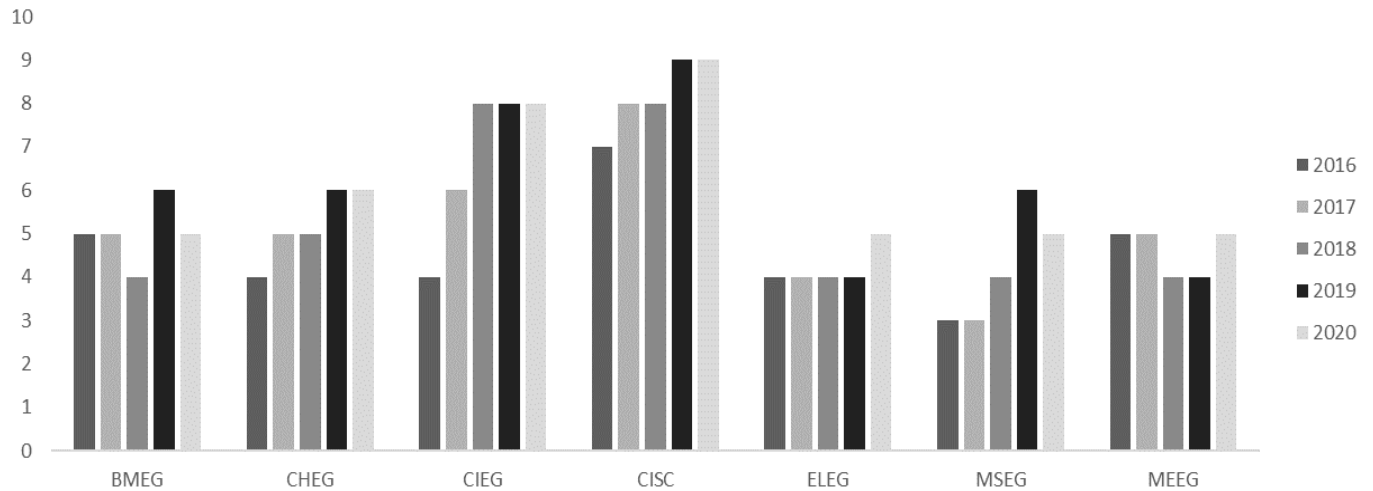


Figure 6. No. of women TT/T and CT faculty, by COE department, prior 5 years (2016-2020)

Comparative data for women faculty over the last 10 years for the COE and other ASEE-tracked institutions can be found in Table 1. Faculty data in this case only includes T/TT faculty. Data is presented for both comparative sets, and detail on rankings including percentile have been provided.

Table 1. % of women faculty for the COE, by department, T/TT only, prior 10 years (2010-2019)

	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
College of Engineering	Percentage Female, all ranks									
University of Delaware	15%	18%	17%	16%	17%	19%	20%	20%	20%	23%
Average of all schools	13%	14%	14%	14%	15%	16%	16%	17%	17%	18%
UD Rank / # of Institutions	100/301	67/306	65/307	97/309	112/306	68/313	70/313	77/288	84/288	61/259
Percentile	67th	78th	79th	69th	63rd	78th	78th	73rd	70th	76th
Average of comparators	12%	13%	14%	14%	15%	16%	16%	17%	17%	18%
UD Rank / # of Institutions	4/25	2/25	2/25	7/25	8/25	4/25	3/25	2/25	3/25	2/24
Percentile	84th	92nd	92nd	72nd	68th	84th	88th	92nd	88th	92nd
Biomedical Engineering	Percentage Female, all ranks									
University of Delaware	-	-	33%	67%	33%	33%	33%	33%	33%	40%
Average of all schools	19%	20%	20%	21%	21%	22%	22%	23%	23%	25%
UD Rank / # of Institutions	-	-	17/106	3/107	19/109	17/114	20/120	23/117	25/124	18/112
Percentile	-	-	84th	97th	83rd	85th	83rd	80th	80th	84th
Average of comparators	18%	19%	21%	21%	20%	20%	19%	19%	19%	20%
UD Rank / # of Institutions	-	-	3/21	1/21	2/21	2/21	3/22	2/22	4/23	2/22
Percentile	-	-	86th	95th	90th	90th	86th	91st	83rd	91st
Chemical Engineering	Percentage Female, all ranks									
University of Delaware	16%	18%	15%	9%	13%	14%	14%	18%	15%	19%
Average of all schools	15%	16%	16%	18%	18%	19%	19%	19%	20%	21%
UD Rank / # of Institutions	65/154	67/150	79/150	123/150	105/151	101/149	99/149	78/149	92/141	75/130
Percentile	58th	55th	47th	18th	30th	32nd	34th	47th	35th	42nd
Average of comparators	15%	17%	16%	17%	17%	17%	17%	18%	19%	19%
UD Rank / # of Institutions	9/23	10/23	12/23	20/22	14/21	14/21	15/21	10/21	14/21	10/21
Percentile	61st	57th	48th	9th	33rd	33rd	29th	52nd	33rd	52nd
Civil & Environmental Engineering	Percentage Female, all ranks									
University of Delaware	13%	17%	17%	16%	17%	19%	20%	18%	24%	25%
Average of all schools	15%	16%	16%	16%	17%	18%	19%	20%	21%	21%
UD Rank / # of Institutions	122/227	90/232	91/236	111/233	109/232	98/236	100/237	125/225	71/215	62/179
Percentile	46th	61st	61st	52nd	53rd	58th	58th	44th	67th	65th
Average of comparators	15%	16%	16%	16%	17%	18%	19%	20%	23%	24%
UD Rank / # of Institutions	16/22	12/22	12/22	15/22	17/22	16/23	15/24	20/24	10/21	12/22
Percentile	27th	45th	45th	32nd	23rd	30th	38th	17th	55th	45th
Computer Science	Percentage Female, all ranks									
University of Delaware	22%	27%	26%	26%	27%	35%	32%	33%	29%	33%
Average of all schools	15%	15%	16%	16%	16%	17%	17%	17%	18%	18%
UD Rank / # of Institutions	45/181	35/188	34/191	32/193	33/192	19/198	22/195	12/187	35/191	16/162
Percentile	75th	81st	82nd	83rd	83rd	90th	89th	94th	82nd	90th
Average of comparators	13%	14%	14%	14%	15%	17%	16%	17%	18%	18%
UD Rank / # of Institutions	1/21	1/21	1/21	1/20	1/21	1/20	1/20	1/20	2/21	1/20
Percentile	95th	95th	95th	95th	95th	95th	95th	95th	90th	95th
Electrical & Computer Engineering	Percentage Female, all ranks									
University of Delaware	12%	13%	13%	10%	10%	10%	20%	19%	17%	16%
Average of all schools	11%	12%	12%	12%	12%	13%	13%	14%	14%	18%
UD Rank / # of Institutions	124/280	103/283	105/284	168/288	170/284	166/288	54/287	73/270	86/264	88/213
Percentile	56th	64th	63rd	42nd	40th	42nd	81st	73rd	67th	59th
Average of comparators	10%	10%	10%	10%	11%	12%	11%	13%	13%	14%
UD Rank / # of Institutions	8/24	5/24	6/24	14/24	14/24	15/24	3/24	3/24	3/24	6/22
Percentile	67th	79th	75th	42nd	42nd	38th	88th	88th	88th	73rd
Materials Science Engineering	Percentage Female, all ranks									
University of Delaware	15%	15%	15%	15%	15%	21%	15%	14%	24%	28%
Average of all schools	14%	15%	14%	15%	16%	17%	17%	19%	20%	21%
UD Rank / # of Institutions	21/55	21/55	22/56	20/57	24/58	19/64	34/64	38/63	23/64	12/52
Percentile	62nd	62nd	61st	65th	59th	70th	47th	40th	64th	77th
Average of comparators	13%	13%	14%	16%	16%	18%	18%	19%	19%	20%
UD Rank / # of Institutions	7/18	6/18	9/18	7/19	9/19	7/20	13/20	14/20	7/20	3/17
Percentile	61st	67th	50th	63rd	53rd	65th	35th	30th	65th	82nd
Mechanical Engineering	Percentage Female, all ranks									
University of Delaware	13%	14%	14%	15%	11%	10%	9%	9%	8%	11%
Average of all schools	10%	11%	11%	11%	12%	12%	13%	13%	14%	15%
UD Rank / # of Institutions	89/262	66/267	71/265	76/267	149/269	152/272	165/275	167/262	177/248	128/203
Percentile	66th	75th	73rd	72nd	45th	44rd	40th	36th	29th	37th
Average of comparators	10%	12%	11%	12%	13%	14%	14%	15%	16%	16%
UD Rank / # of Institutions	7/22	6/22	5/22	4/22	16/22	18/22	18/23	20/23	22/23	20/23
Percentile	68th	73rd	77th	82nd	27th	18th	22nd	13th	4th	13th

2.3 Underrepresented Status

Figure 7 summarizes the percentage of faculty from underrepresented groups (URG) in the College of Engineering as of Fall 2020 by job rank and title. Figure 8 presents the actual number of URG faculty by job rank and title at the department level. In both cases T/TT and CT faculty are included.

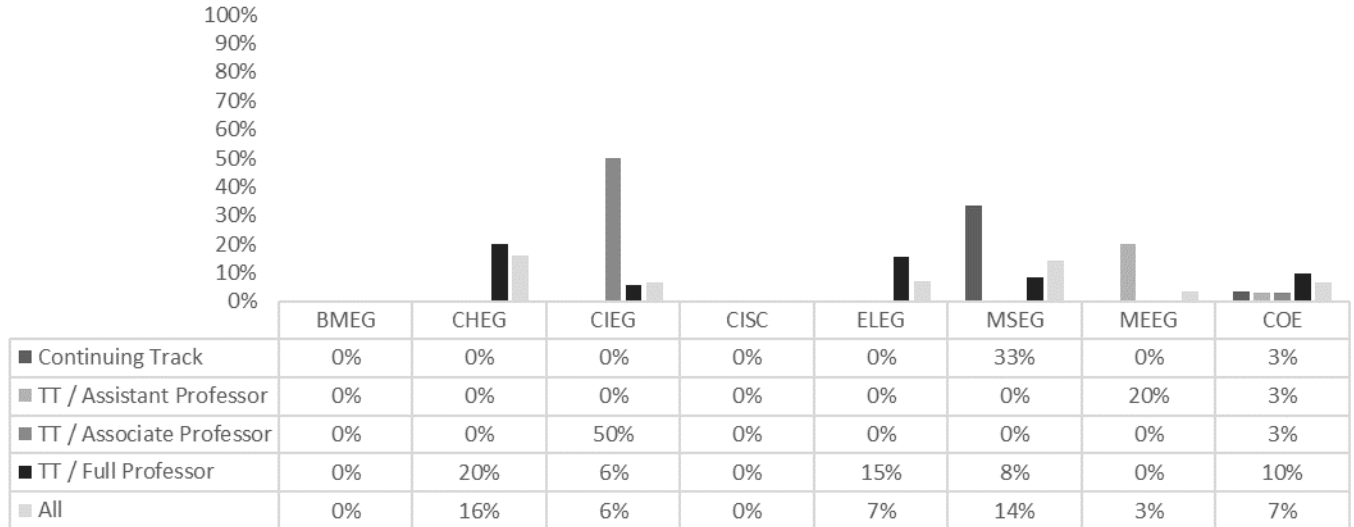


Figure 7. % of URG T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2020

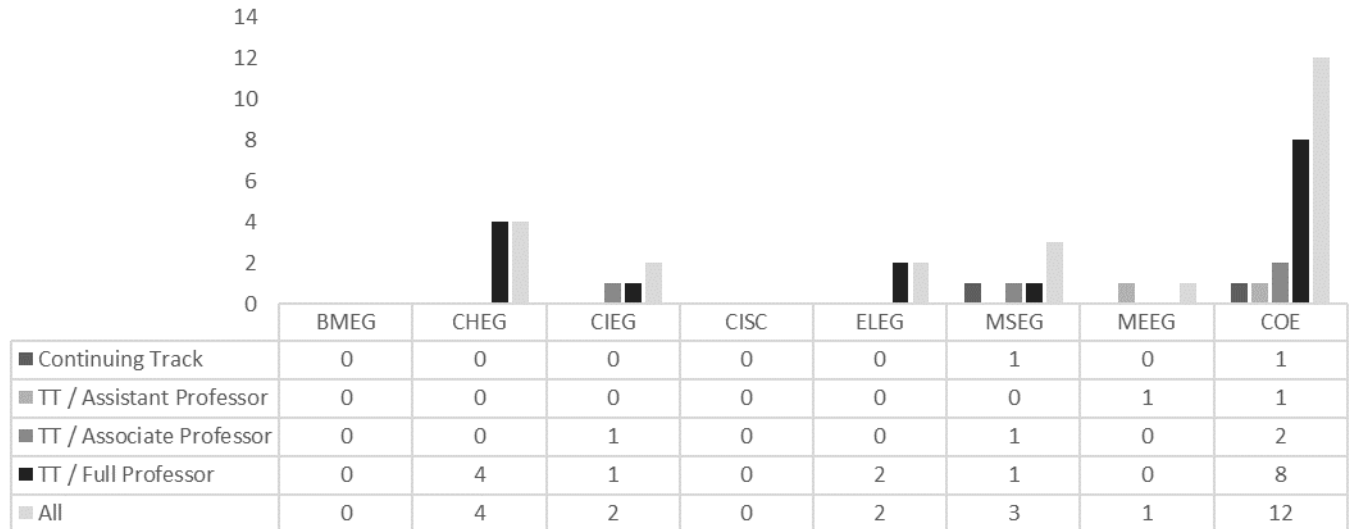


Figure 8. No. of URG T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2020

Figure 9 illustrates the change by department in the number of URG TT/T and CT faculty at the College of Engineering over the last 5 years.

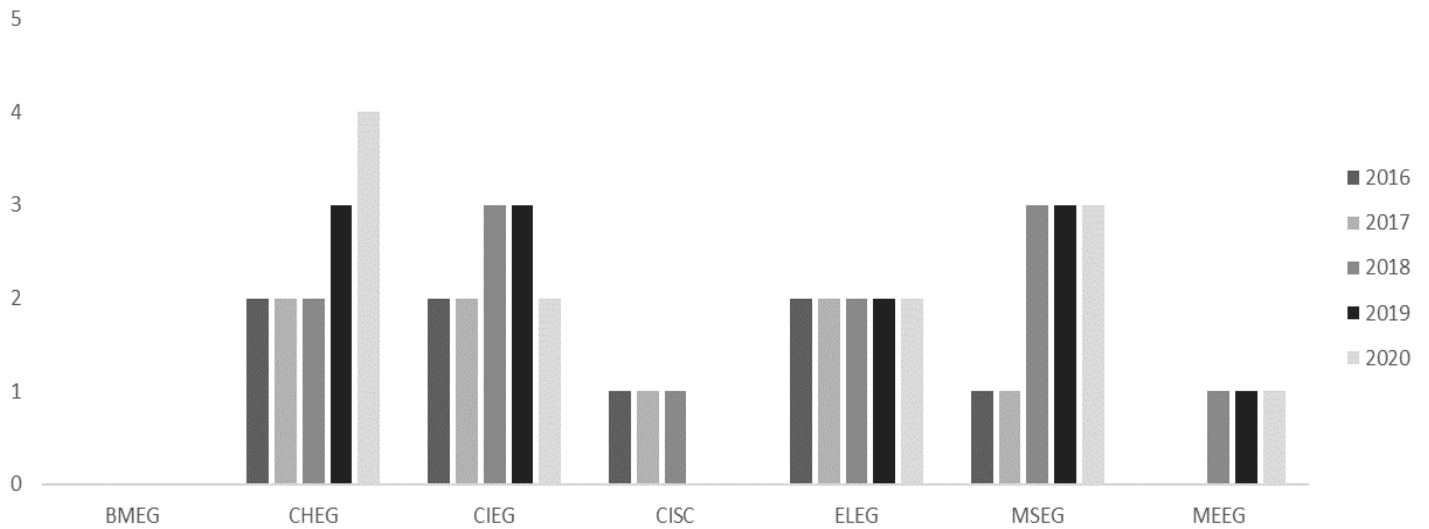


Figure 9. No. of URG TT/T and CT faculty, by COE department, prior 5 years (2016-2020)

Comparative URG faculty data over the last 10 years for the COE and other ASEE-tracked institutions can be found in Table 2. Faculty data in this case only includes T/TT faculty. Data is presented for both comparative sets, and detail on rankings including percentile have been provided.

Table 2. % of URG faculty for the COE, by department, T/TT only, over last 10 years (2010-2019)

	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
College of Engineering	Percentage URG, all ranks									
University of Delaware	6%	5%	5%	5%	6%	9%	6%	6%	8%	8%
Average of all schools	6%	7%	7%	7%	6%	7%	7%	6%	7%	7%
UD Rank / # of Institutions	101/301	131/306	131/307	102/309	131/306	75/313	112/313	112/288	64/282	68/259
Percentile	66th	57th	57th	67th	57th	76th	64th	61st	77th	74th
Average of comparators	5%	5%	6%	5%	5%	5%	5%	6%	6%	6%
UD Rank / # of Institutions	7/25	11/25	13/25	7/25	12/25	2/25	6/25	10/25	2/24	4/24
Percentile	72nd	56th	48th	72nd	52nd	92nd	76th	60th	92nd	83rd
Biomedical Engineering	Percentage URG, all ranks									
University of Delaware	-	-	0%	33%	0%	0%	0%	0%	0%	0%
Average of all schools	5%	5%	6%	5%	6%	6%	6%	6%	6%	6%
UD Rank / # of Institutions	-	-	46/106	1/107	55/109	60/114	60/120	57/117	66/124	79/112
Percentile	-	-	57th	99th	50th	47th	50th	51st	47th	29th
Average of comparators	5%	4%	6%	6%	5%	6%	6%	6%	6%	6%
UD Rank / # of Institutions	-	-	14/20	1/21	14/21	16/21	17/22	16/22	17/23	19/22
Percentile	-	-	33rd	95th	33rd	24th	23rd	27th	26th	14th
Chemical Engineering	Percentage URG, all ranks									
University of Delaware	12%	11%	12%	9%	8%	9%	9%	9%	15%	15%
Average of all schools	8%	9%	8%	8%	8%	9%	8%	8%	8%	8%
UD Rank / # of Institutions	40/154	46/150	44/150	56/150	55/151	56/149	57/149	56/148	22/141	23/130
Percentile	74th	69th	71st	63rd	64th	62nd	62nd	62nd	84th	82nd
Average of comparators	7%	7%	6%	7%	7%	8%	7%	8%	8%	8%
UD Rank / # of Institutions	4/23	4/23	2/23	7/22	7/21	7/21	6/21	8/21	2/21	2/21
Percentile	83rd	83rd	91st	68th	67th	67th	71st	62nd	90th	90th
Civil & Environmental Engineering	Percentage URG, all ranks									
University of Delaware	4%	4%	4%	8%	9%	10%	10%	9%	12%	13%
Average of all schools	9%	10%	10%	9%	9%	9%	9%	9%	9%	9%
UD Rank / # of Institutions	110/227	122/232	122/236	90/233	87/232	83/236	75/237	83/225	55/215	44/179
Percentile	52nd	47th	48th	61st	63rd	65th	68th	63rd	74th	75th
Average of comparators	8%	8%	8%	8%	7%	6%	6%	7%	7%	7%
UD Rank / # of Institutions	16/22	16/22	14/22	8/22	8/22	6/23	5/24	7/24	5/22	4/22
Percentile	27th	27th	36th	64th	64th	74th	79th	71st	77th	82nd
Computer Science	Percentage URG, all ranks									
University of Delaware	4%	5%	4%	4%	5%	4%	5%	5%	5%	0%
Average of all schools	3%	4%	5%	4%	4%	4%	4%	4%	4%	4%
UD Rank / # of Institutions	45/181	55/188	59/191	62/193	54/192	63/198	65/195	60/187	60/186	145/162
Percentile	75th	71st	69th	68th	72nd	68th	67th	68th	68th	10th
Average of comparators	3%	3%	4%	3%	3%	4%	4%	4%	4%	4%
UD Rank / # of Institutions	5/21	5/21	6/21	5/20	4/21	9/20	7/20	9/20	8/21	17/20
Percentile	76th	75th	71st	75th	81st	55th	65th	55th	62nd	15th
Electrical & Computer Engineering	Percentage URG, all ranks									
University of Delaware	12%	9%	9%	10%	10%	10%	10%	10%	9%	8%
Average of all schools	7%	7%	7%	7%	7%	7%	6%	6%	6%	6%
UD Rank / # of Institutions	43/280	74/283	79/284	63/288	51/284	58/288	56/287	54/270	60/264	48/213
Percentile	85th	74th	72nd	78th	82nd	80th	80th	80th	77th	77th
Average of comparators	5%	5%	6%	4%	5%	4%	5%	5%	5%	5%
UD Rank / # of Institutions	2/24	3/24	5/24	1/24	2/24	1/24	1/24	2/24	3/24	3/22
Percentile	92nd	88th	79th	96th	92nd	96th	96th	92nd	88th	86th
Materials Science Engineering	Percentage URG, all ranks									
University of Delaware	0%	0%	0%	0%	0%	7%	8%	7%	12%	11%
Average of all schools	6%	6%	5%	6%	6%	7%	6%	6%	7%	9%
UD Rank / # of Institutions	31/55	33/55	32/56	35/57	39/58	22/64	21/64	25/63	14/64	12/52
Percentile	44th	40th	43rd	39th	33rd	66th	67th	60th	78th	77th
Average of comparators	7%	6%	6%	6%	6%	6%	6%	5%	6%	6%
UD Rank / # of Institutions	12/18	14/18	13/18	14/19	15/19	8/20	7/20	8/20	4/20	4/17
Percentile	33rd	22nd	28th	26th	21st	60th	65th	60th	80th	76th
Mechanical Engineering	Percentage URG, all ranks									
University of Delaware	0%	0%	0%	0%	0%	15%	0%	0%	0%	2%
Average of all schools	6%	6%	6%	6%	6%	7%	6%	6%	6%	6%
UD Rank / # of Institutions	138/262	141/267	141/265	149/267	145/269	33/272	156/275	157/262	149/248	116/203
Percentile	47th	47th	47th	44th	46th	88th	43rd	40th	40th	43rd
Average of comparators	4%	6%	5%	5%	5%	6%	6%	6%	7%	7%
UD Rank / # of Institutions	16/22	17/22	18/22	18/22	19/23	1/23	19/23	19/23	19/23	20/23
Percentile	27th	23rd	18th	18th	17th	96th	17th	17th	17th	13th

3. Staff Data

3.1 Gender

Figure 10 reflects the % of female COE staff by job type over the last four years. Comparative data for New Castle County is as of July 2019. Figure 11 shows the % of female COE staff by managerial role and does not include research staff. The categorical definitions for each job type (admin, research, and tech) can be found in the Appendix A.

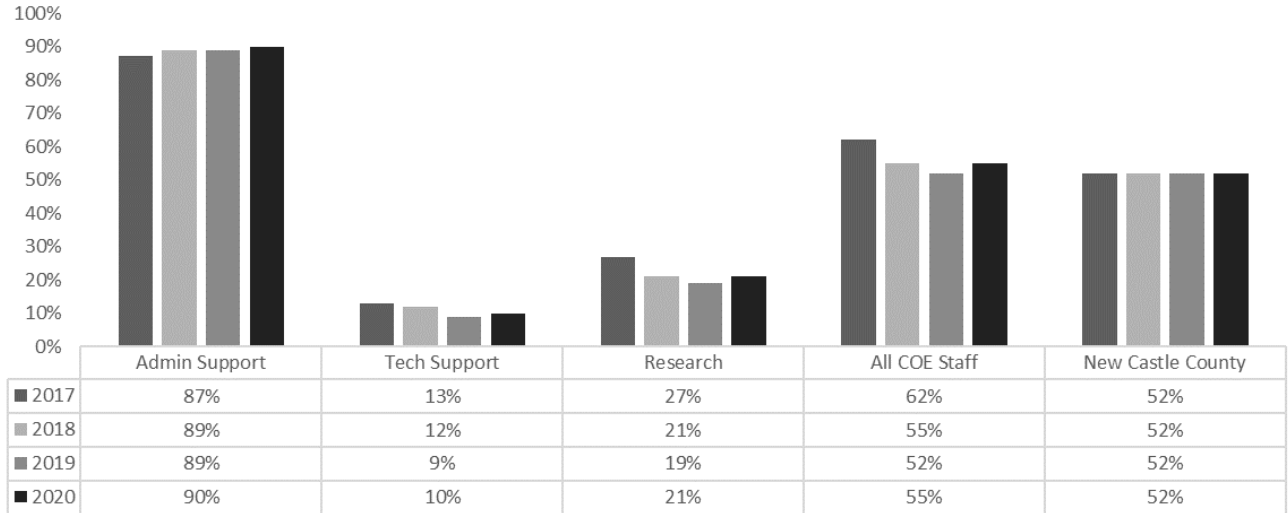


Figure 10. % of women College of Engineering administrative, technical and research support staff data by job type, Fall 2017 to Fall 2020

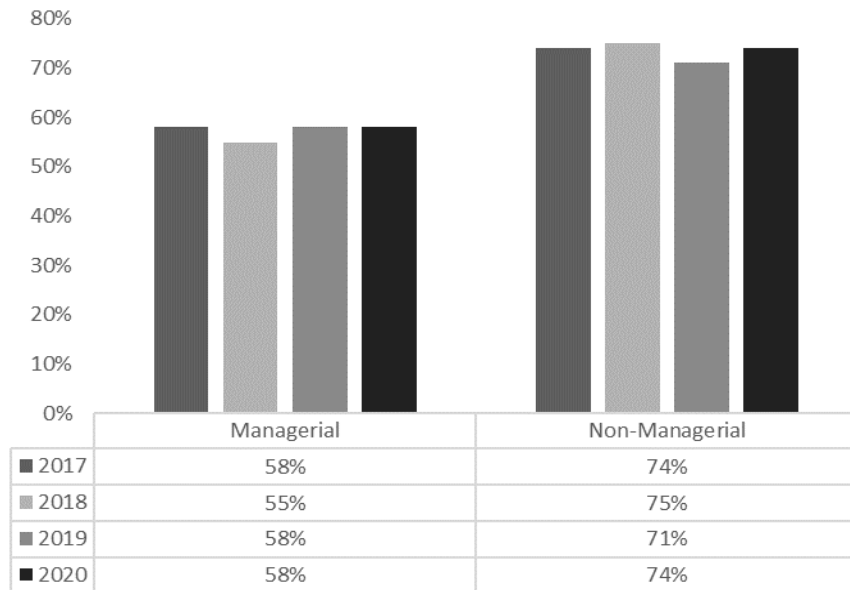


Figure 11. % of women College of Engineering administrative and technical support staff data by managerial role, Fall 2017 to Fall 2020

3.2 Underrepresented Status

Figure 12 reflects the breakdown of COE staff by job type and underrepresented status over the last three years. Comparative data for New Castle County is as of July 2019. Figure 13 shows the gender breakdown by managerial role and does not include research staff. URG (non-white, non-Asian) status is determined from a staff member's Primary Ethnicity.

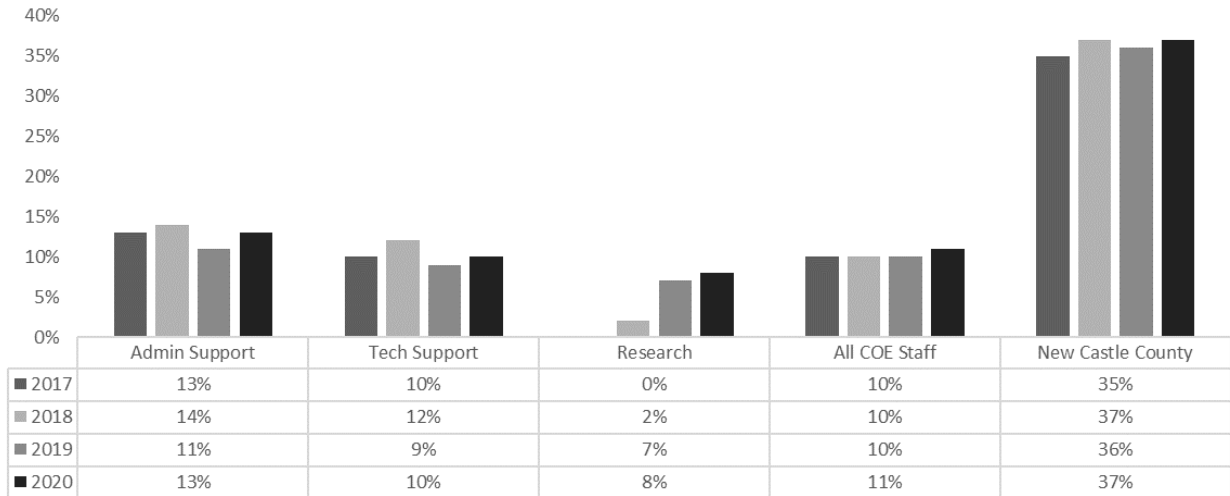


Figure 12. % of URG College of Engineering administrative, technical and research support staff data by job type and URG status, Fall 2017 to Fall 2020

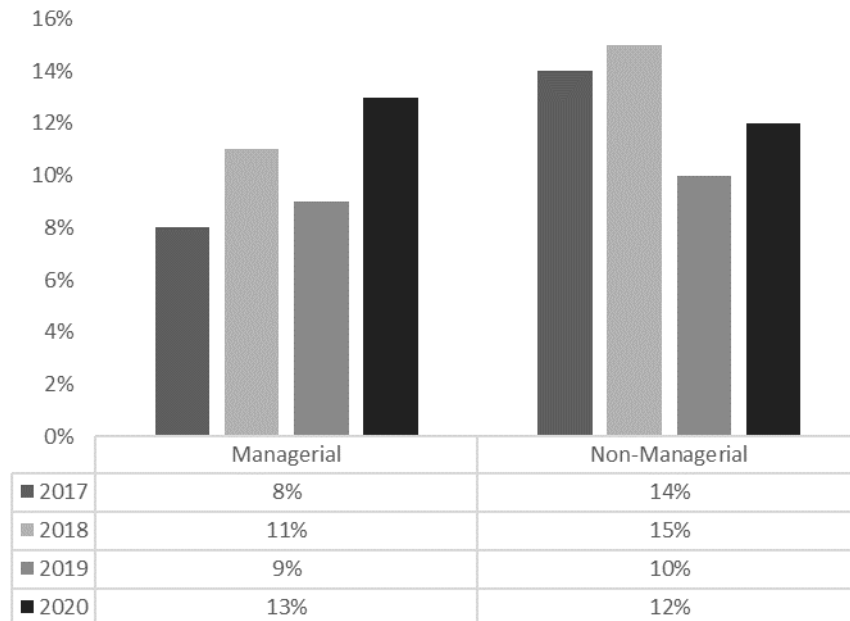


Figure 13. College of Engineering administrative and technical support staff data by managerial role and URG status, Fall 2017 to Fall 2020

4. Graduate Student Data

4.1 Overview

Notes for graduate student data:

- URG = all non-White, non-Asian students + ½ of students indicating two or more races; determined from IPEDS ethnicity
- % URG = Num. **domestic** URG / Num. **domestic** students
- In using ASEE data for other universities for comparison,
 - All students in civil, environmental, or civil/environmental were aggregated into CIEG.
 - All students in electrical, computer engineering, or electrical/computer engineering were aggregated into ELEG.
 - Students in Metallurgical and Materials Engineering were counted as MSEG.
 - All students in Computer Science, both inside and outside of engineering were aggregated as CISC.
 - For college-level data over time, for each school, we sum only students in the same departments/programs we have in UD COE.

Figure 14 presents the number of women, domestic URG and total graduate students at the College of Engineering over the last 10 years

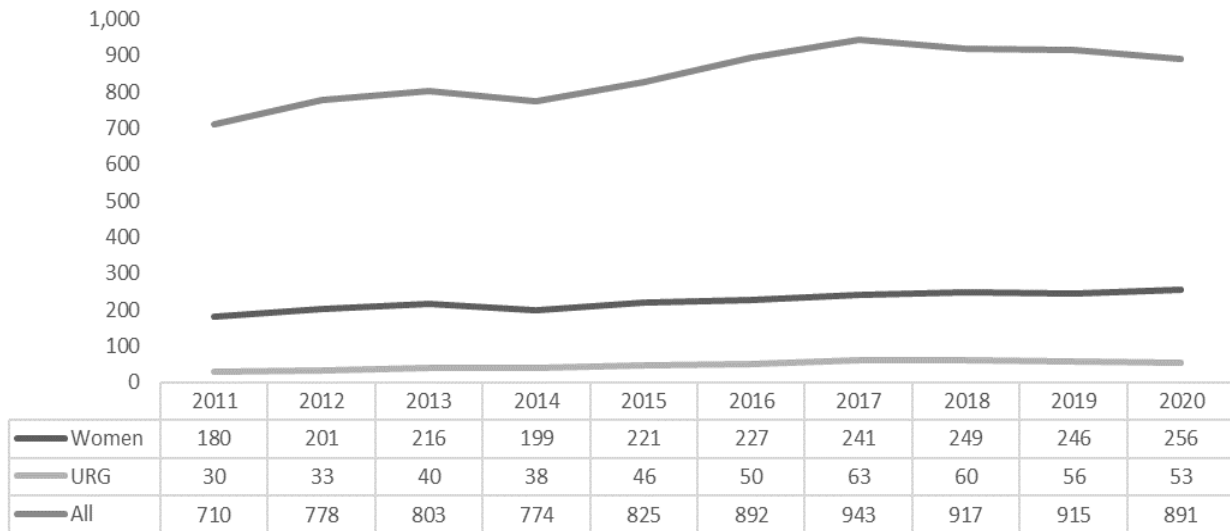


Figure 14. No. of women, domestic URG and all graduate students, COE, prior 10 years (2011-2020)

Figure 15 presents the percentage of women and domestic URG graduate students at the College of Engineering over the last 10 years

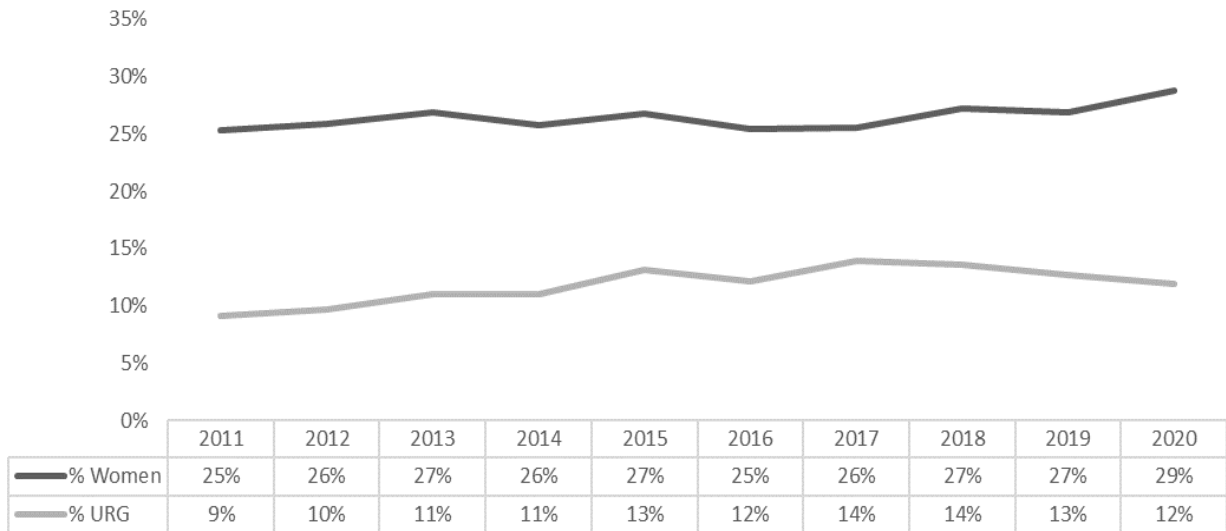


Figure 15. % of women and domestic URG graduate students, COE, prior 10 years (2011-2020)

4.2 Gender

Figure 16 summarizes the percentage of women among all graduate students and all incoming graduate students as of Fall 2020 at the department level for the College of Engineering, and the % of graduating women graduate students for Academic Year 2019-20. Figure 17 shows the same data in absolute numbers.

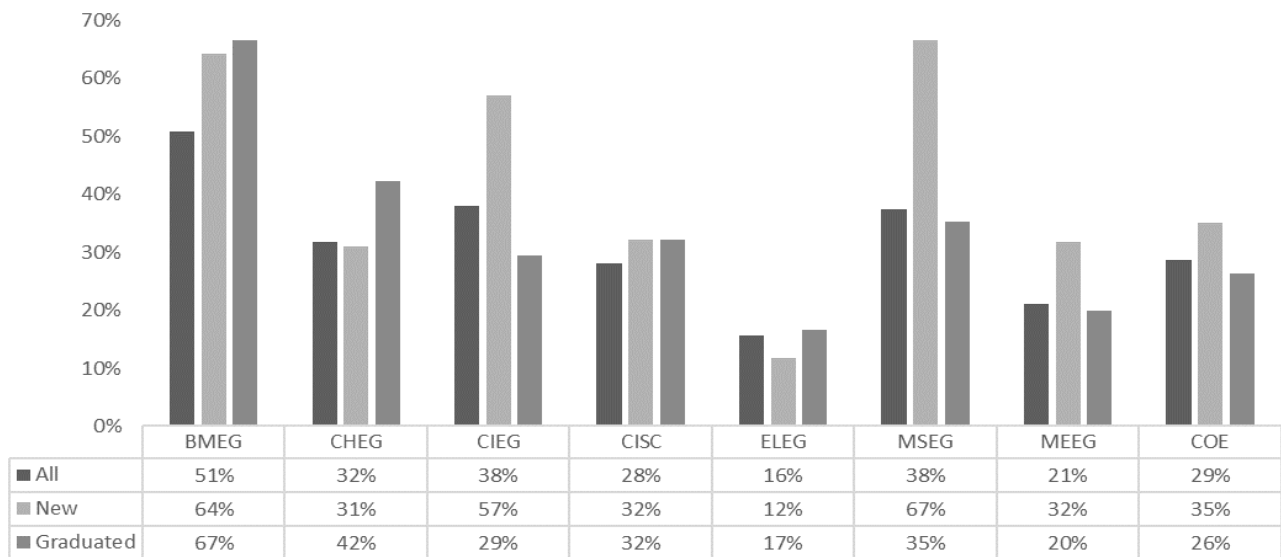


Figure 16. % of women graduate students, all and new, by COE department, Fall 2020 and % of graduating women graduate students by department, Academic Year 19-20

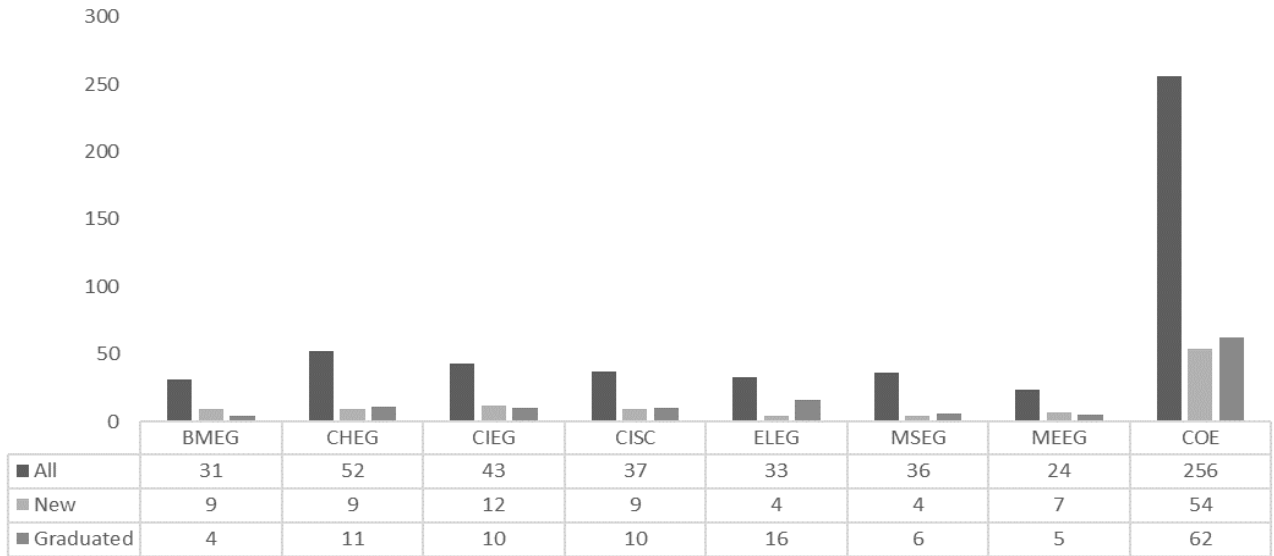


Figure 17. No. of women graduate students, all and new, by COE department, Fall 2020 and No. of graduating women graduate students by department, Academic Year 19-20

Figure 18 illustrates the change by department in the number of women graduate students at the College of Engineering over the last 10 years.

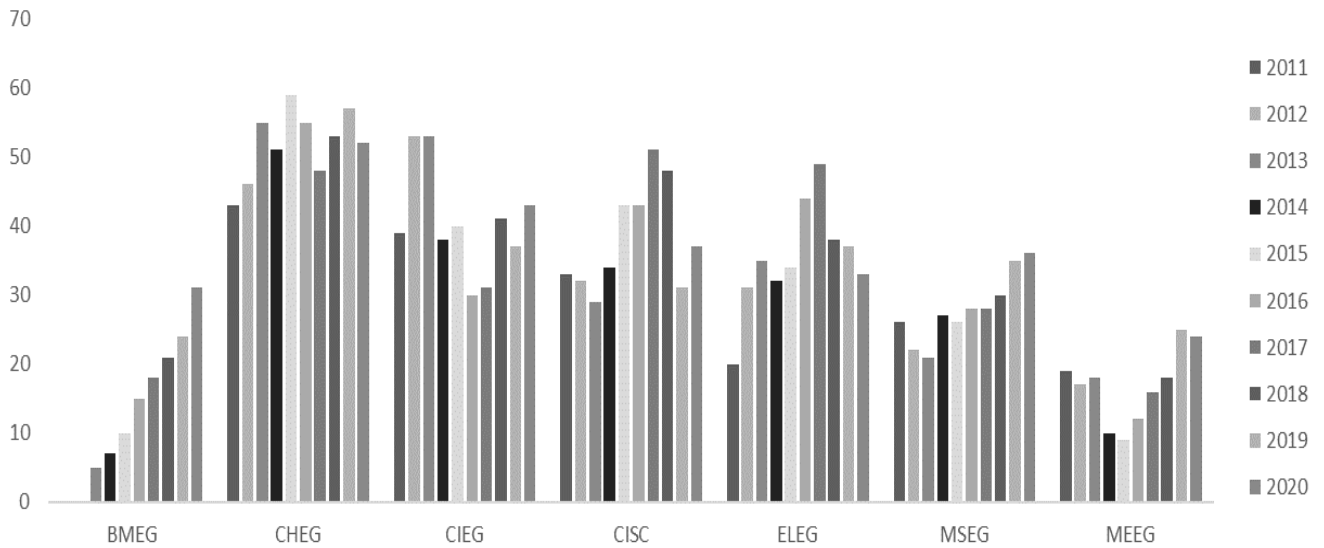


Figure 18. No. of women graduate students, by COE department, prior the last 10 years (2011-2020)

Comparative data for women graduate students over the last 10 years for the COE and other ASEE-tracked institutions can be found in Table 3

Table 3. % of women graduate students for the COE, by department, over last 10 years (2010-2019)

	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
College of Engineering	Percentage Female, All Graduate Students									
University of Delaware	26%	25%	26%	27%	26%	27%	25%	26%	27%	27%
Average of all schools	22%	22%	23%	23%	24%	24%	24%	26%	26%	26%
UD Rank / # of Institutions	46/250	58/252	58/255	56/255	67/250	59/253	92/245	90/235	80/233	92/238
Percentile	82nd	77th	77th	78th	73rd	77th	62nd	62nd	66th	61st
Average of comparators	21%	21%	21%	22%	22%	22%	23%	26%	24%	25%
UD Rank / # of Institutions	2/25	4/25	3/25	4/25	6/25	6/25	9/25	10/25	5/25	5/25
Percentile	92nd	84th	88th	84th	76th	76th	64th	60th	80th	80th
Biomedical Engineering	Percentage Female, All Graduate Students									
University of Delaware	-	-	0%	33%	39%	37%	39%	41%	47%	46%
Average of all schools	37%	38%	39%	40%	40%	40%	41%	42%	43%	43%
UD Rank / # of Institutions	-	-	123/125	105/129	78/126	89/130	82/134	78/137	46/142	51/133
Percentile	-	-	2nd	19th	38th	32nd	39th	43rd	68th	62nd
Average of comparators	35%	37%	36%	39%	39%	39%	41%	41%	42%	41%
UD Rank / # of Institutions	-	-	20/20	19/21	13/21	16/21	14/22	14/22	6/23	5/23
Percentile	-	-	0	10th	38th	24th	36th	36th	74th	78th
Chemical Engineering	Percentage Female, All Graduate Students									
University of Delaware	25%	30%	31%	37%	34%	37%	39%	33%	34%	35%
Average of all schools	32%	33%	32%	32%	32%	32%	32%	32%	32%	33%
UD Rank / # of Institutions	104/142	83/142	77/144	33/143	53/142	38/142	24/138	62/138	51/134	50/133
Percentile	27th	42nd	47th	77th	63rd	73rd	83rd	55th	62nd	62nd
Average of comparators	31%	31%	31%	31%	31%	31%	32%	31%	32%	33%
UD Rank / # of Institutions	20/22	13/22	10/22	4/22	9/22	6/22	2/23	9/23	7/23	8/22
Percentile	9th	41st	55th	82nd	59th	73rd	91st	61st	70th	64th
Civil & Environmental Engineering	Percentage Female, All Graduate Students									
University of Delaware	31%	34%	35%	33%	32%	33%	27%	30%	37%	34%
Average of all schools	29%	29%	29%	29%	30%	30%	30%	31%	32%	33%
UD Rank / # of Institutions	68/201	45/200	43/201	55/199	56/198	50/195	112/193	91/190	45/188	69/190
Percentile	66th	78th	79th	72nd	72nd	74th	42nd	52nd	76th	64th
Average of comparators	27%	28%	28%	29%	29%	30%	31%	32%	31%	31%
UD Rank / # of Institutions	9/23	5/23	5/23	6/23	8/23	9/23	18/24	14/24	5/24	10/24
Percentile	61st	78th	78th	74th	65th	61st	25th	42nd	79th	58th
Computer Science	Percentage Female, All Graduate Students									
University of Delaware	25%	25%	24%	21%	23%	28%	29%	31%	31%	23%
Average of all schools	20%	20%	21%	22%	23%	24%	25%	28%	27%	27%
UD Rank / # of Institutions	38/175	47/185	59/184	102/183	83/177	52/185	47/176	32/174	40/176	125/184
Percentile	78th	75th	68th	44th	53rd	72nd	73rd	82nd	77th	32nd
Average of comparators	18%	18%	19%	20%	19%	19%	19%	30%	23%	24%
UD Rank / # of Institutions	1/21	1/22	5/22	9/21	7/22	2/21	2/21	2/21	2/22	14/23
Percentile	95th	95th	77th	57th	68th	90th	90th	90th	91st	39th
Electrical & Computer Engineering	Percentage Female, All Graduate Students									
University of Delaware	16%	14%	19%	21%	18%	16%	16%	16%	16%	16%
Average of all schools	18%	18%	19%	20%	21%	21%	21%	21%	22%	22%
UD Rank / # of Institutions	141/233	159/232	83/234	82/234	129/229	173/231	166/223	153/216	156/215	162/217
Percentile	39th	31st	65th	65th	44th	25th	26th	29th	27th	25th
Average of comparators	16%	16%	17%	18%	19%	19%	20%	20%	20%	19%
UD Rank / # of Institutions	11/24	16/24	8/24	7/24	15/24	21/24	21/24	21/24	23/25	19/25
Percentile	54th	33rd	67th	71st	38th	13th	13th	13th	8th	24th
Materials Science Engineering	Percentage Female, All Graduate Students									
University of Delaware	43%	33%	28%	27%	34%	37%	33%	32%	30%	33%
Average of all schools	27%	27%	27%	28%	28%	28%	29%	29%	30%	30%
UD Rank / # of Institutions	6/87	21/90	37/94	50/97	18/98	8/96	18/98	33/97	44/99	26/82
Percentile	93rd	77th	61st	48th	82nd	92nd	82nd	66th	56th	68th
Average of comparators	27%	27%	27%	27%	26%	27%	29%	29%	30%	30%
UD Rank / # of Institutions	1/19	5/20	8/20	11/22	4/22	2/23	4/23	7/23	13/23	7/22
Percentile	95th	75th	60th	50th	82nd	91st	83rd	70th	43rd	68th
Mechanical Engineering	Percentage Female, All Graduate Students									
University of Delaware	17%	18%	18%	19%	11%	12%	14%	15%	15%	21%
Average of all schools	14%	14%	14%	15%	15%	15%	15%	15%	16%	17%
UD Rank / # of Institutions	56/220	42/222	51/223	45/224	140/219	143/220	98/211	83/209	113/209	47/204
Percentile	75th	81st	77th	80th	36th	35th	54th	60th	46th	77th
Average of comparators	13%	14%	15%	14%	14%	15%	15%	16%	16%	17%
UD Rank / # of Institutions	3/24	3/24	5/24	3/24	23/24	20/24	13/24	11/24	16/25	5/25
Percentile	88th	88th	79th	88th	4th	17th	46th	54th	36th	80th

4.3 Underrepresented Status

Figure 19 summarizes the percentage of URG students among all graduate students and all incoming graduate students as of Fall 2020 at the department level for the College of Engineering, and the % of graduating URG graduate students for Academic Year 2019-20. Figure 20 shows the same data in absolute numbers.

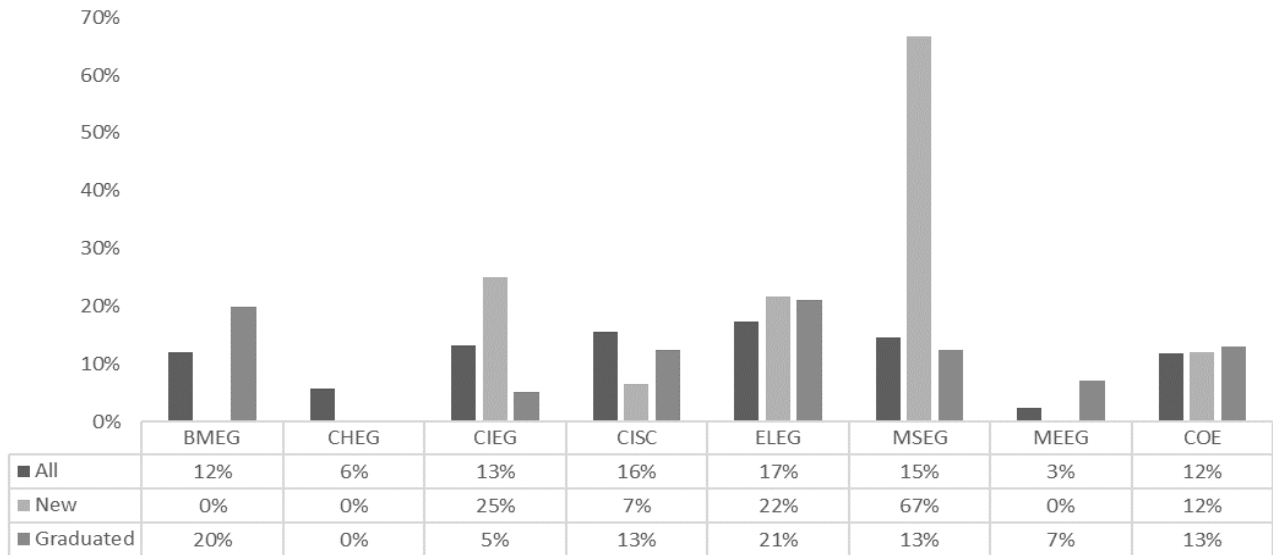


Figure 19. % of URG graduate students, all and new, by COE department, Fall 2020 and % of graduating URG graduate students by department, Academic Year 19-20

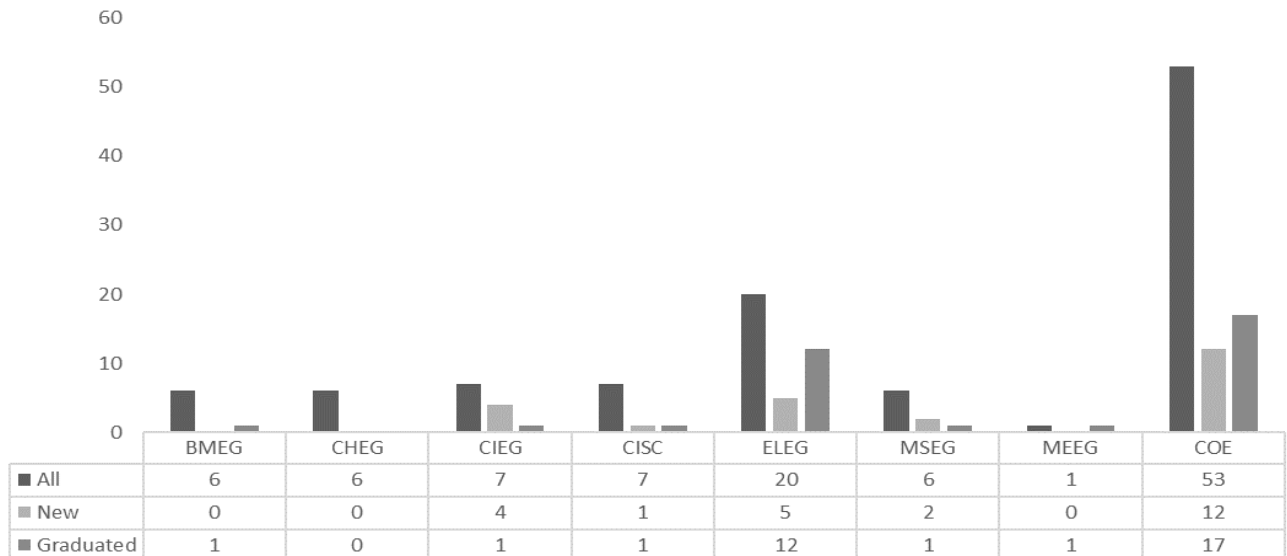


Figure 20. No. of URG graduate students, all and new, by COE department, Fall 2020 and No. of graduating URG graduate students by department, Academic Year 19-20

Figure 21 illustrates the change by department in the number of URG graduate students at the College of Engineering over the last 10 years.

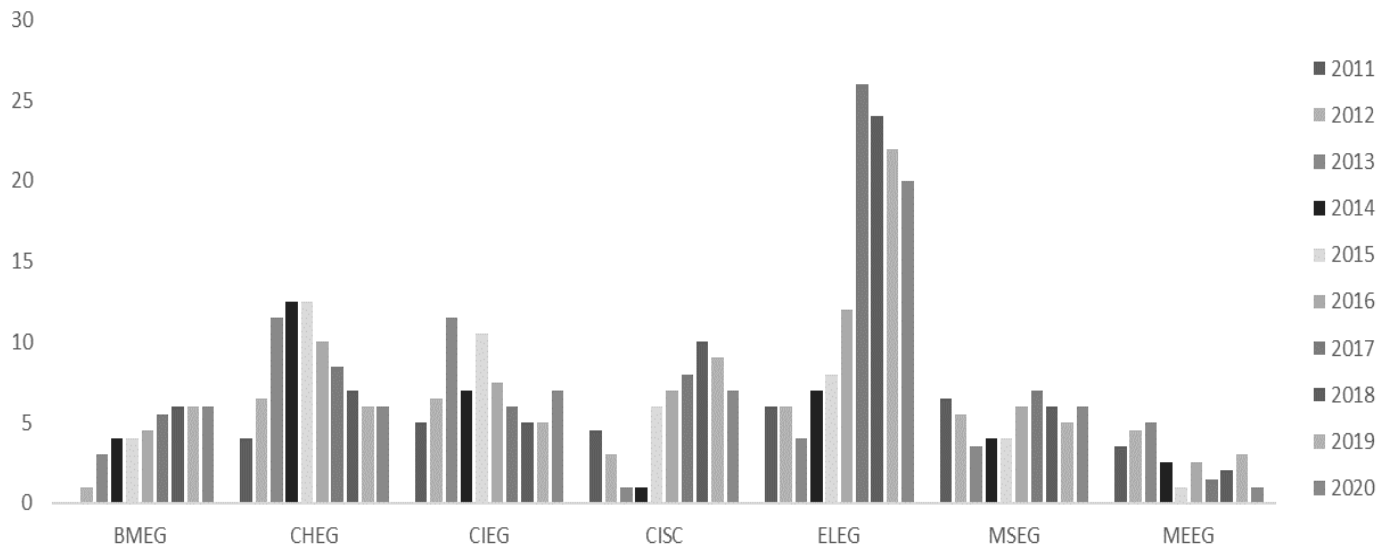


Figure 21. No. of URG graduate students, by COE department, prior 10 years (2011-2020)

Comparative data for URG graduate students over the last 10 years for the COE and other ASEE-tracked institutions can be found in Table 4.

Table 4. % of URG graduate students for the COE, by department, over last 10 years (2010-2019)

	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
College of Engineering	Percentage URG, All Domestic Graduate Students									
University of Delaware	6%	9%	10%	11%	11%	13%	12%	14%	14%	13%
Average of all schools	12%	11%	14%	14%	15%	15%	15%	16%	16%	17%
UD Rank / # of Institutions	192/249	134/251	143/254	123/251	130/248	108/250	130/245	98/234	110/233	134/238
Percentile	23rd	47th	44th	51st	48th	57th	47th	58th	53rd	44th
Average of comparators	9%	9%	10%	11%	12%	12%	13%	12%	13%	14%
UD Rank / # of Institutions	22/25	12/25	11/25	10/25	14/25	7/25	12/25	8/25	10/25	15/25
Percentile	12th	52nd	56th	60th	44th	72nd	52nd	68th	60th	40th
Biomedical Engineering	Percentage URG, All Domestic Graduate Students									
University of Delaware	-	-	25%	25%	27%	18%	14%	14%	12%	11%
Average of all schools	10%	10%	11%	12%	13%	13%	14%	16%	16%	16%
UD Rank / # of Institutions	-	-	12/124	22/128	13/125	34/129	74/134	71/137	94/141	99/131
Percentile	-	-	90th	83rd	90th	74th	45th	48th	33rd	26th
Average of comparators	9%	9%	10%	11%	12%	13%	14%	15%	15%	16%
UD Rank / # of Institutions	-	-	1/21	1/21	1/21	4/21	14/21	14/21	17/23	21/23
Percentile	-	-	95th	95th	95th	81st	36th	36th	26th	9th
Chemical Engineering	Percentage URG, All Domestic Graduate Students									
University of Delaware	7%	4%	6%	10%	11%	10%	9%	9%	8%	8%
Average of all schools	12%	11%	12%	13%	13%	13%	14%	14%	14%	15%
UD Rank / # of Institutions	91/141	110/110	93/144	66/143	73/140	80/138	88/136	96/138	93/133	96/132
Percentile	35th	21st	35th	54th	48th	42nd	35th	30th	30th	27th
Average of comparators	10%	8%	9%	11%	11%	12%	11%	12%	12%	15%
UD Rank / # of Institutions	16/22	18/22	13/22	9/22	10/22	11/22	12/23	14/23	16/23	16/22
Percentile	27th	18th	41st	59th	55th	50th	48th	39th	30th	27th
Civil & Environmental Engineering	Percentage URG, All Domestic Graduate Students									
University of Delaware	6%	9%	9%	17%	15%	21%	18%	15%	14%	11%
Average of all schools	15%	16%	17%	17%	17%	17%	17%	19%	20%	21%
UD Rank / # of Institutions	143/201	112/199	117/200	65/199	75/197	53/194	62/192	84/189	104/187	134/189
Percentile	29th	44th	42nd	67th	62nd	73rd	68th	56th	44th	29th
Average of comparators	9%	9%	11%	13%	13%	14%	14%	14%	15%	16%
UD Rank / # of Institutions	17/23	12/23	11/23	4/23	8/23	4/23	5/24	10/24	12/24	18/24
Percentile	26th	48th	52nd	83rd	65th	83rd	79th	58th	50th	25th
Computer Science	Percentage URG, All Domestic Graduate Students									
University of Delaware	3%	11%	8%	3%	4%	18%	18%	20%	27%	22%
Average of all schools	12%	12%	12%	14%	15%	14%	15%	14%	16%	15%
UD Rank / # of Institutions	143/175	68/185	95/184	143/182	144/175	38/184	46/175	49/174	24/175	48/184
Percentile	18th	63rd	48th	21st	18th	79th	74th	72nd	86th	74th
Average of comparators	9%	8%	8%	9%	12%	13%	13%	10%	12%	10%
UD Rank / # of Institutions	20/21	6/22	8/22	18/21	18/22	3/21	4/21	3/21	1/22	1/23
Percentile	5th	73rd	64th	14th	18th	86th	81st	86th	95th	96th
Electrical & Computer Engineering	Percentage URG, All Domestic Graduate Students									
University of Delaware	8%	10%	10%	6%	10%	12%	10%	17%	19%	17%
Average of all schools	14%	14%	15%	15%	16%	16%	16%	16%	16%	17%
UD Rank / # of Institutions	145/231	138/231	141/232	182/232	146/227	129/229	131/219	75/215	66/214	78/216
Percentile	37th	40th	39th	22nd	36th	44th	40th	65th	69th	64th
Average of comparators	11%	11%	12%	13%	10%	13%	13%	15%	14%	16%
UD Rank / # of Institutions	17/24	13/24	12/24	21/24	17/24	11/24	14/24	10/24	6/25	8/25
Percentile	29th	46th	50th	13th	29th	54th	42nd	58th	76th	68th
Materials Science Engineering	Percentage URG, All Domestic Graduate Students									
University of Delaware	7%	21%	17%	12%	13%	14%	14%	15%	13%	13%
Average of all schools	10%	10%	12%	11%	12%	12%	13%	14%	15%	16%
UD Rank / # of Institutions	46/87	14/90	18/94	36/96	35/98	38/95	40/96	40/96	52/98	43/82
Percentile	47th	84th	81st	63rd	64th	60th	58th	58th	47th	48th
Average of comparators	7%	8%	10%	9%	10%	11%	12%	12%	14%	15%
UD Rank / # of Institutions	8/19	1/20	2/20	6/22	4/22	7/23	8/23	8/23	11/23	12/22
Percentile	58th	95th	90th	73rd	82nd	70th	65th	65th	52nd	45th
Mechanical Engineering	Percentage URG, All Domestic Graduate Students									
University of Delaware	1%	11%	13%	12%	7%	3%	8%	4%	7%	8%
Average of all schools	11%	12%	13%	13%	13%	14%	15%	15%	16%	17%
UD Rank / # of Institutions	190/219	94/221	87/221	98/222	151/217	184/219	140/210	183/209	163/209	156/204
Percentile	13th	57th	61st	56th	30th	16th	33rd	12th	22nd	24th
Average of comparators	9%	9%	9%	9%	10%	11%	11%	11%	12%	13%
UD Rank / # of Institutions	24/24	7/24	6/24	6/24	16/24	23/24	17/24	23/24	20/25	21/25
Percentile	0	71st	75th	75th	33rd	4th	29th	4th	20th	16th

5. Undergraduate Student Data

5.1 Overview

Notes on undergraduate student data

- URG = all non-White, non-Asian students + ½ of students indicating two or more races; determined from IPEDS Ethnicity
- % URG = Num. URG / All students
- Data for students was computed for each engineering program, not department: biomedical engineering, chemical engineering, civil engineering, computer science, computer engineering, construction management, electrical engineering, environmental engineering, material sciences, mechanical engineering and engineering undeclared (see relationship between departments and programs in Appendix A).
- In using ASEE data for other universities for comparison,
 - For Computer Science, all BA and BS programs were aggregated.
 - For college-level data over time, for each school, we sum only students in the same departments/programs we have in UD COE.
 - Comparative metrics are not available for engineering undeclared programs. Figures are not shown for construction management and materials science programs owing to small numbers of students in these recently added UD COE offerings.

Figure 22 presents the number of women, URG and total undergraduate students at the College of Engineering over the last 10 years.

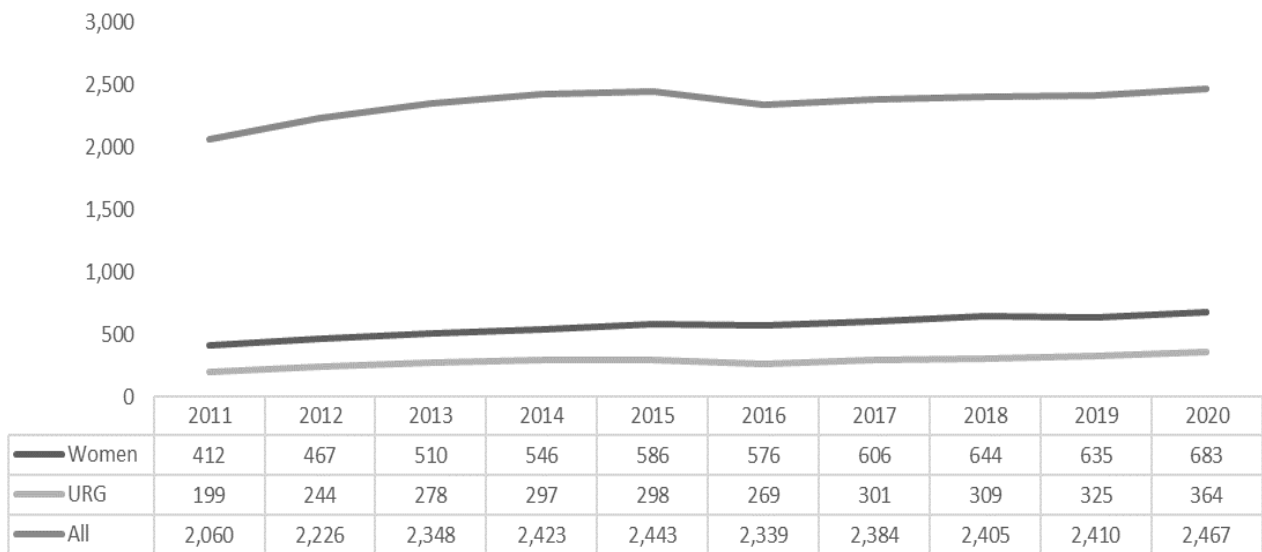


Figure 22. No. of women, URG and all undergraduate students, COE, prior 10 years (2011-2020)

Figure 23 presents the % of Women, URG and total undergraduate Students at the College of Engineering over the last 10 years.

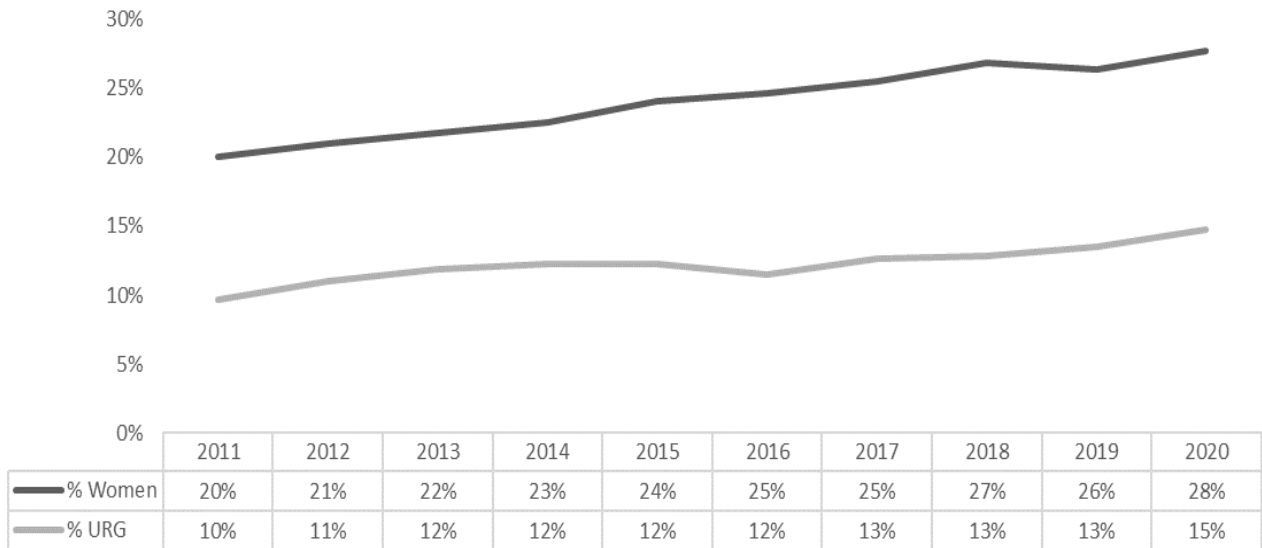


Figure 23. %. of women, and URG undergraduate students, COE, prior 10 years (2011-2020)

5.2 Gender

Figure 24 summarizes the percentage of women among all undergraduate students and all incoming undergraduate students as of Fall 2020 at the program level for the College of Engineering, and the % of graduating women undergraduate students for Academic Year 2019-20. Figure 25 shows the same data in absolute numbers. **Note** – Students cannot graduate from engineering undeclared program; construction management and materials science programs are less than 4 years old.

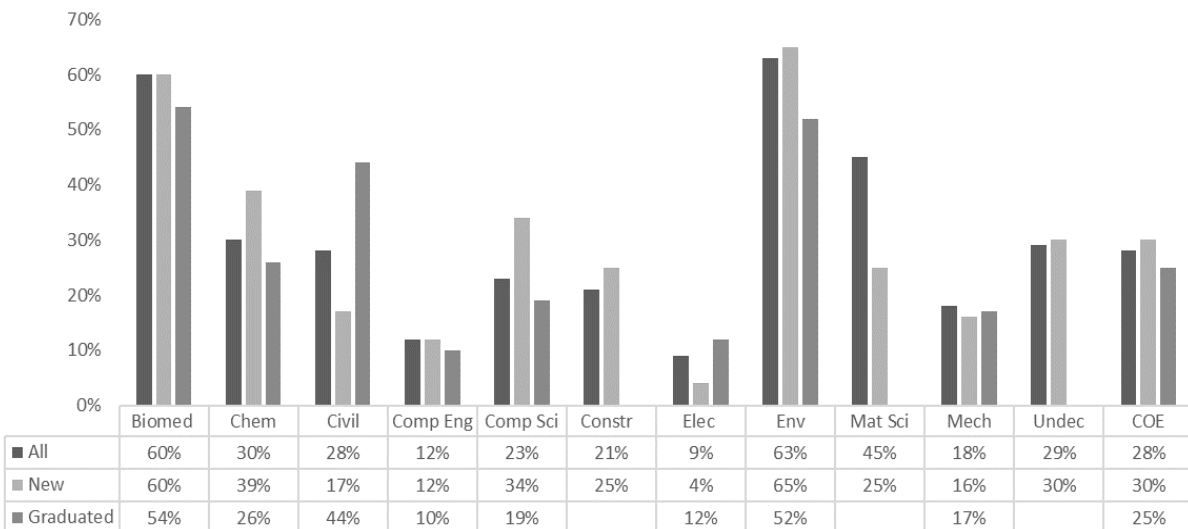


Figure 24. % of women undergraduate students, all and new, by COE department, Fall 2020 and % of graduating women undergraduate students by program, Academic Year 19-20

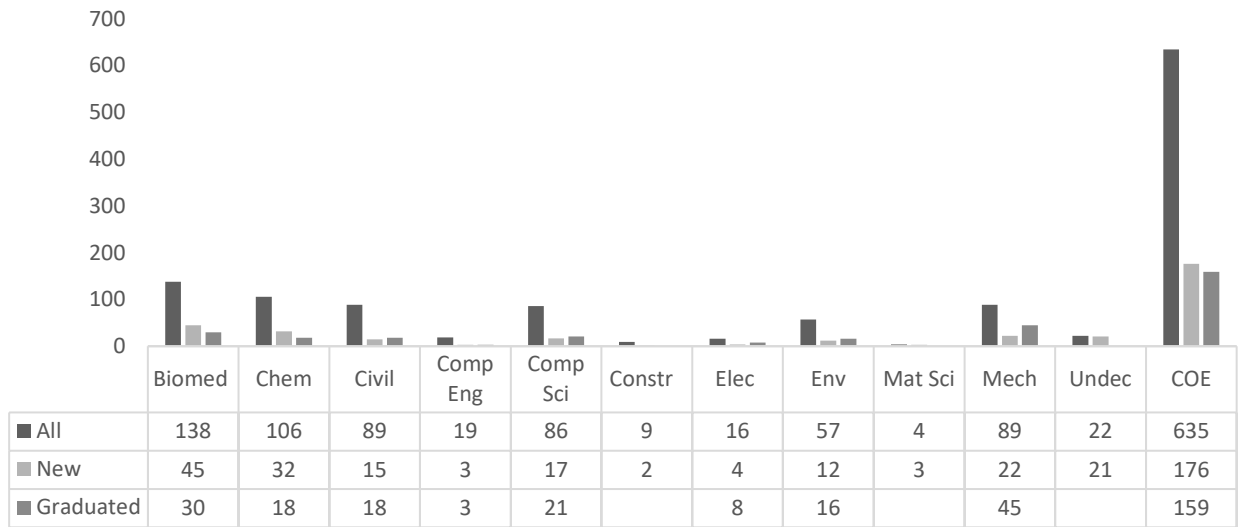


Figure 25. No. of women undergraduate students, all and new, by COE department, Fall 2020 and No. of graduating women undergraduate students by program, Academic Year 19-20

Figure 26 illustrates the change by program in the number of women undergraduate students at the College of Engineering over the last 10 years.

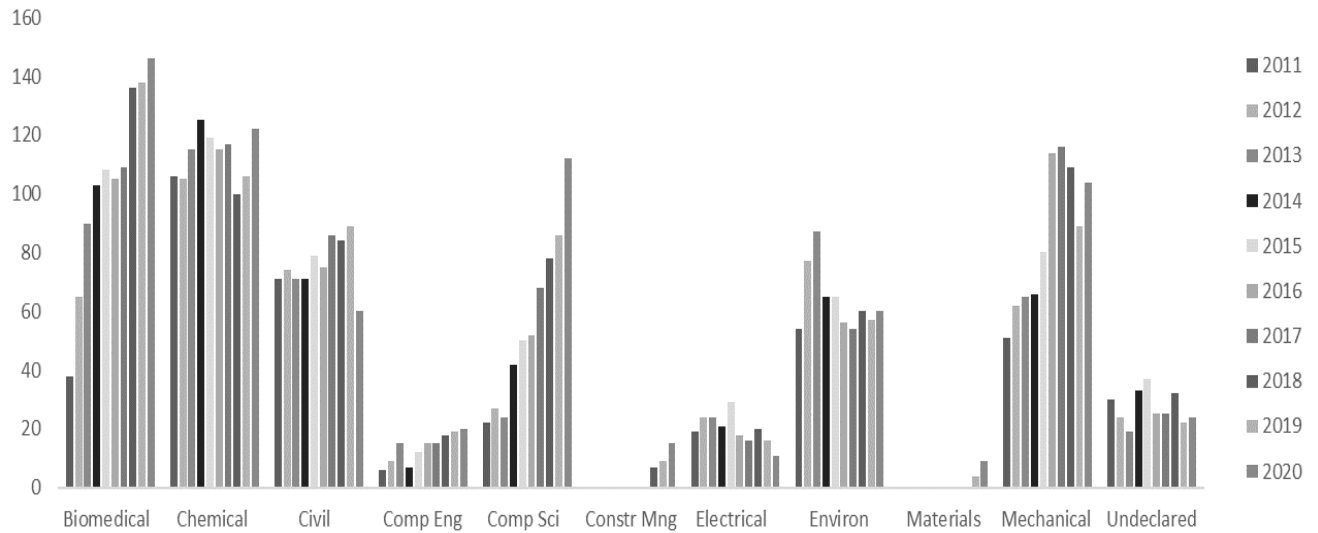


Figure 26. No. of women undergraduate students, by COE program, prior 10 years (2011-2020)

Comparative data for women undergraduate students over the last 10 years for the COE and other ASEE-tracked institutions can be found in Table 5.

Table 5. % of women undergraduate students for the COE, by program, last 10 years (2010-2019)

	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
College of Engineering	Percentage Female, all UGRAD Students									
University of Delaware	18%	18%	21%	22%	22%	24%	24%	25%	27%	26%
Average of all schools	17%	17%	18%	18%	19%	20%	21%	21%	22%	23%
UD Rank / # of Institutions	110/310	110/313	80/315	83/318	79/316	81/318	79/309	67/287	58/284	70/281
Percentile	65th	65th	75th	74th	75th	75th	74th	77th	80th	75th
Average of comparators	18%	18%	19%	20%	20%	21%	22%	23%	24%	24%
UD Rank / # of Institutions	9/24	12/27	7/24	9/24	8/24	7/24	7/24	7/24	5/23	7/24
Percentile	63rd	50th	71st	63rd	67th	71st	71st	71st	80th	71st
Biomedical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	-	-	43%	44%	49%	49%	53%	53%	57%	58%
Average of all schools	39%	40%	40%	41%	43%	44%	47%	48%	50%	51%
UD Rank / # of Institutions	-	-	33/118	41/115	23/120	31/125	26/130	33/132	18/135	21/135
Percentile	-	-	72nd	64th	81st	75th	80th	75th	87th	84th
Average of comparators	39%	39%	40%	42%	43%	45%	47%	49%	50%	50%
UD Rank / # of Institutions	-	-	9/19	9/19	3/20	4/20	2/20	3/20	1/21	5/22
Percentile	-	-	53rd	53rd	85th	80th	90th	85th	95th	77th
Chemical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	29%	27%	25%	26%	27%	28%	28%	27%	25%	28%
Average of all schools	32%	32%	32%	33%	33%	34%	35%	36%	37%	38%
UD Rank / # of Institutions	104/161	119/161	137/161	139/161	133/161	130/157	132/157	141/157	143/152	137/149
Percentile	35th	26th	15th	14th	17th	17th	16th	10th	6th	8th
Average of comparators	29%	30%	30%	31%	31%	32%	33%	35%	36%	36%
UD Rank / # of Institutions	14/23	17/23	18/23	20/23	19/23	18/23	21/23	23/23	23/23	21/22
Percentile	39th	26th	22nd	13th	17th	22nd	9th	0	0	5th
Civil Engineering	Percentage Female, all UGRAD Students									
University of Delaware	18%	20%	19%	18%	19%	21%	24%	30%	31%	32%
Average of all schools	21%	21%	21%	22%	23%	24%	25%	25%	26%	26%
UD Rank / # of Institutions	127/217	112/221	125/223	157/224	161/224	117/212	106/206	62/201	53/197	53/201
Percentile	41st	49th	44th	30th	28th	45th	49th	69th	73rd	74th
Average of comparators	20%	20%	21%	23%	24%	25%	26%	27%	27%	27%
UD Rank / # of Institutions	11/21	9/21	14/21	17/22	18/22	14/22	12/22	8/22	5/22	6/22
Percentile	48th	57th	33rd	23rd	18th	36th	45th	64th	77th	73rd
Computer Engineering	Percentage Female, all UGRAD Students									
University of Delaware	7%	7%	9%	12%	6%	9%	9%	8%	10%	10%
Average of all schools	10%	10%	11%	11%	12%	12%	13%	14%	14%	15%
UD Rank / # of Institutions	124/179	139/181	110/183	73/188	160/183	137/187	130/181	158/184	133/186	129/175
Percentile	31st	23rd	40th	61st	13th	27th	28th	14th	28th	26th
Average of comparators	9%	9%	9%	10%	10%	12%	11%	12%	14%	16%
UD Rank / # of Institutions	17/21	16/21	11/20	8/21	19/19	14/19	13/20	18/20	19/21	19/19
Percentile	19th	24th	45th	62nd	0	26th	35th	10th	10th	0
Computer Science	Percentage Female, all UGRAD Students									
University of Delaware	10%	10%	11%	10%	15%	18%	19%	22%	22%	20%
Average of all schools	13%	13%	14%	14%	15%	16%	17%	18%	19%	20%
UD Rank / # of Institutions	133/213	150/224	140/221	169/222	73/219	62/224	66/224	53/218	53/216	62/203
Percentile	38th	33rd	37th	24th	67th	72nd	71st	76th	75th	69th
Average of comparators	10%	12%	12%	13%	14%	16%	17%	18%	19%	20%
UD Rank / # of Institutions	10/22	18/23	14/22	21/22	9/23	6/22	5/23	5/23	5/24	6/22
Percentile	55th	22nd	36th	5th	61st	73rd	78th	78th	79th	73rd

Table 5. % of women undergraduate students for the COE, by program, last 10 years (2010-2019) (cont.)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Electrical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	11%	12%	14%	14%	10%	13%	8%	8%	12%	11%
Average of all schools	12%	11%	12%	12%	12%	13%	14%	14%	14%	14%
UD Rank / # of Institutions	130/252	110/257	67/261	74/262	158/257	102/247	224/243	215/234	164/233	187/236
Percentile	48th	57th	74th	72nd	39th	59th	8th	8th	30th	21st
Average of comparators	11%	12%	12%	13%	13%	14%	14%	15%	16%	16%
UD Rank / # of Institutions	11/22	11/22	5/22	9/22	18/22	13/21	21/21	20/21	18/22	18/20
Percentile	50th	50th	77th	59th	18th	38th	0	5th	18th	10th
Environmental Engineering	Percentage Female, all UGRAD Students									
University of Delaware	41%	50%	46%	46%	46%	50%	47%	50%	56%	59%
Average of all schools	42%	44%	43%	44%	47%	47%	49%	51%	53%	55%
UD Rank / # of Institutions	40/63	25/65	24/65	33/65	35/64	33/68	43/74	48/76	33/77	28/69
Percentile	37th	62nd	63rd	49th	45th	51st	42nd	37th	57th	59th
Average of comparators	41%	46%	45%	48%	49%	52%	47%	50%	52%	58%
UD Rank / # of Institutions	3/6	2/7	2/7	5/8	5/8	5/9	7/12	7/12	5/12	3/10
Percentile	50th	71st	71st	38th	38th	44th	43rd	42nd	58th	70th
Materials Science & Engineering	Percentage Female, all UGRAD Students									
University of Delaware	-	-	-	-	-	-	-	-	-	36%
Average of all schools	27%	27%	27%	27%	28%	29%	30%	31%	32%	32%
UD Rank / # of Institutions	-	-	-	-	-	-	-	-	-	20/61
Percentile	-	-	-	-	-	-	-	-	-	67th
Average of comparators	24%	25%	26%	25%	27%	27%	28%	29%	30%	30%
UD Rank / # of Institutions	-	-	-	-	-	-	-	-	-	7/20
Percentile	-	-	-	-	-	-	-	-	-	65th
Mechanical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	12%	11%	13%	15%	15%	15%	21%	21%	20%	17%
Average of all schools	11%	12%	12%	13%	13%	14%	14%	15%	16%	16%
UD Rank / # of Institutions	106/278	139/282	100/285	93/288	96/290	95/286	48/276	44/269	63/266	110/259
Percentile	62nd	51st	65th	68th	67th	67th	83rd	80th	76th	58th
Average of comparators	11%	12%	13%	13%	14%	15%	16%	17%	17%	18%
UD Rank / # of Institutions	9/24	14/24	13/24	8/24	7/24	11/24	6/24	5/24	7/25	15/23
Percentile	63rd	42nd	46th	67th	71st	54th	75th	79th	72nd	35th

5.3 Underrepresented Status

Figure 27 summarizes the percentage of URG students among all undergraduate students and all incoming undergraduate students as of Fall 2020 at the program level for the College of Engineering, and the % of graduating URG undergraduate students for Academic Year 2019-20. Figure 28 shows the same data in absolute numbers. **Note** – Students cannot graduate from engineering undeclared program; construction management and materials science programs are less than 4 years old.

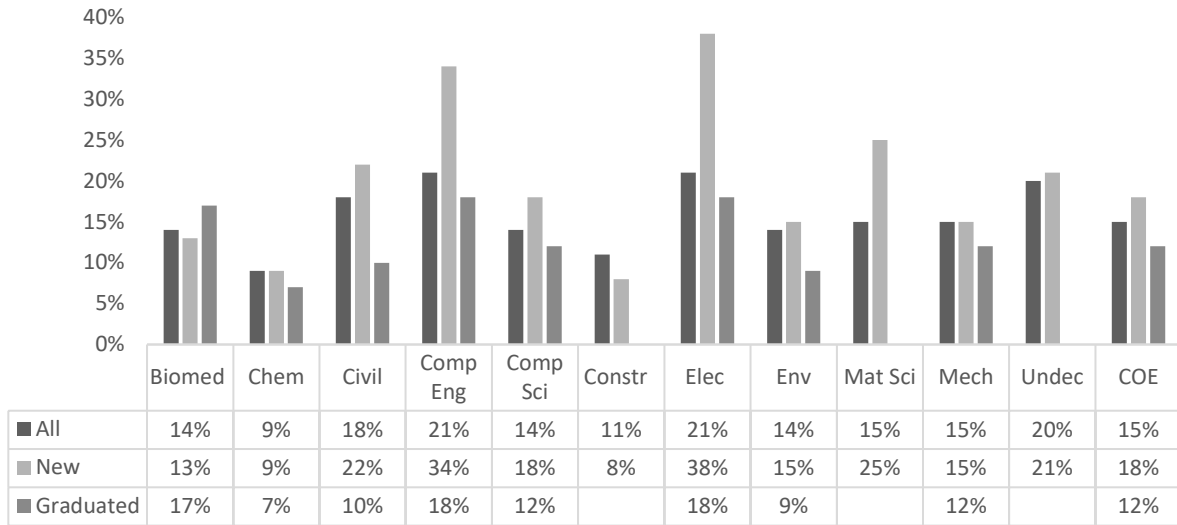


Figure 27. % of URG undergraduate Students, all and new, by COE department, Fall 2020 and % of graduating URG undergraduate students by program, Academic Year 19-20

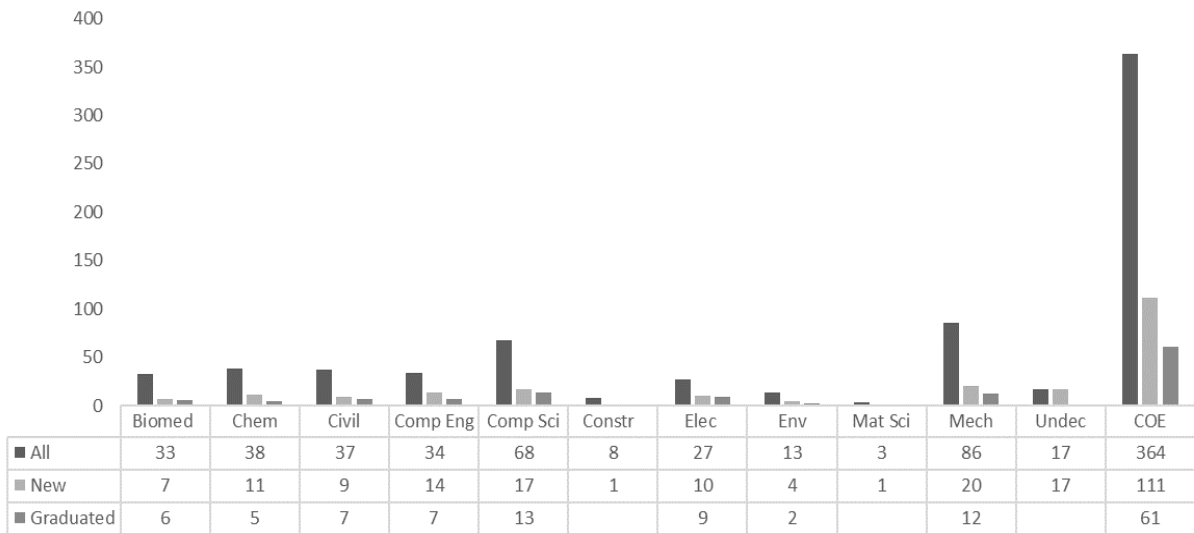


Figure 28. No. of URG undergraduate students, all and new, by COE department, Fall 2020 and No. of graduating URG undergraduate students by program, Academic Year 19-20

Figure 29 illustrates the change by program in the number of URG undergraduate students at the College of Engineering over the last 10 years.

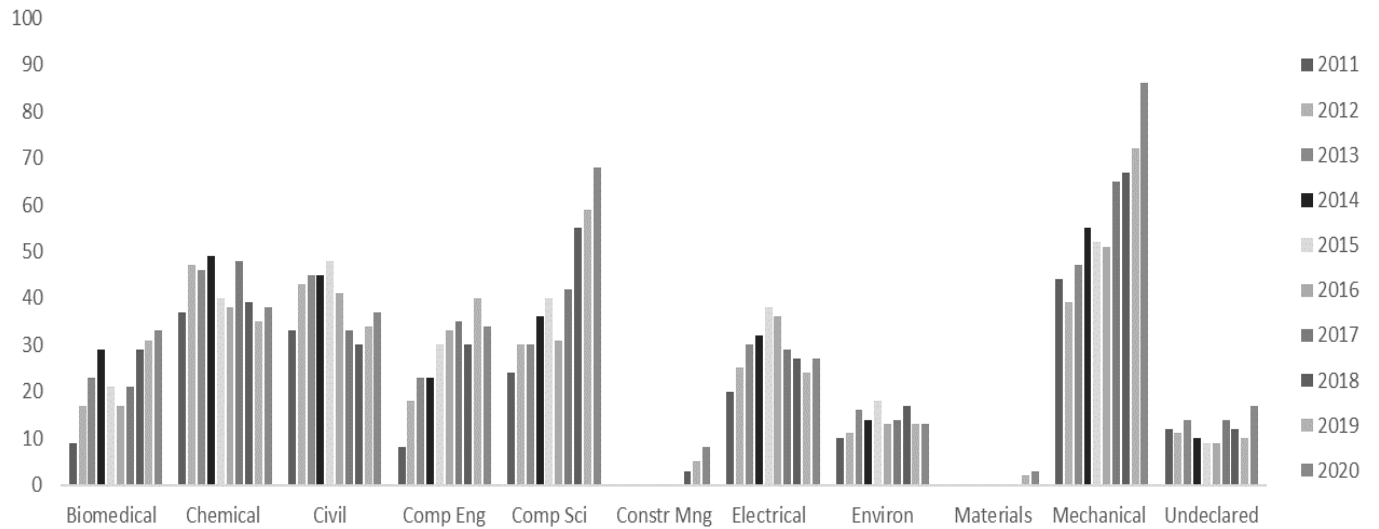


Figure 29. No. of URG undergraduate students, by COE program, prior 10 years (2011-2020)

Comparative data for URG undergraduate students over the last 10 years for the COE and other ASEE-tracked institutions can be found in Table 6.

Table 6. % URG undergraduate students for the COE, by program, last 10 years (2010-2019)

	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
College of Engineering	Percentage URG, all UGRAD Students									
University of Delaware	9%	8%	10%	11%	12%	12%	11%	12%	12%	13%
Average of all schools	18%	18%	18%	18%	19%	19%	19%	20%	20%	21%
UD Rank / # of Institutions	182/310	224/313	187/315	176/318	169/316	178/318	192/309	179/287	180/284	176/281
Percentile	41st	28th	41st	45th	47th	44th	38th	38th	37th	37th
Average of comparators	9%	10%	10%	11%	11%	11%	12%	12%	12%	13%
UD Rank / # of Institutions	9/24	14/24	9/24	9/24	7/24	9/24	11/24	11/24	11/25	10/24
Percentile	63rd	42nd	63rd	63rd	71st	63rd	54th	54th	56th	58th
Biomedical Engineering	Percentage URG, all UGRAD Students									
University of Delaware	-	-	9%	9%	13%	9%	8%	9%	10%	11%
Average of all schools	12%	13%	14%	15%	15%	16%	17%	18%	18%	20%
UD Rank / # of Institutions	-	-	80/116	87/115	62/120	103/126	113/130	109/132	111/139	107/135
Percentile	-	-	31st	24th	48th	18th	13th	17th	20th	21st
Average of comparators	9%	10%	10%	11%	11%	11%	12%	12%	13%	15%
UD Rank / # of Institutions	-	-	11/20	11/20	7/20	15/20	19/20	15/20	15/21	16/22
Percentile	-	-	45th	45th	65th	25th	5th	25th	29th	27th
Chemical Engineering	Percentage URG, all UGRAD Students									
University of Delaware	6%	7%	10%	10%	10%	9%	9%	11%	10%	9%
Average of all schools	15%	15%	15%	15%	16%	15%	16%	17%	17%	18%
UD Rank / # of Institutions	121/161	119/161	89/161	87/161	92/160	107/157	107/157	97/157	111/152	120/149
Percentile	25th	26th	45th	46th	43rd	32nd	32nd	38th	27th	19th
Average of comparators	9%	10%	10%	10%	10%	10%	11%	12%	12%	14%
UD Rank / # of Institutions	17/23	17/23	6/23	7/23	10/23	13/23	13/23	11/23	14/23	17/22
Percentile	26th	26th	74th	70th	57th	43rd	43rd	52nd	39th	23rd
Civil Engineering	Percentage URG, all UGRAD Students									
University of Delaware	9%	7%	11%	11%	12%	12%	13%	11%	11%	13%
Average of all schools	20%	21%	21%	22%	23%	22%	23%	24%	25%	27%
UD Rank / # of Institutions	126/217	166/222	135/223	137/224	133/224	133/212	125/206	143/201	144/197	135/201
Percentile	42nd	25th	39th	38th	41st	37th	39th	29th	27th	33rd
Average of comparators	9%	11%	11%	12%	13%	13%	14%	14%	15%	16%
UD Rank / # of Institutions	6/21	14/21	6/21	9/22	9/22	10/22	12/22	14/22	16/22	11/22
Percentile	71st	33rd	71st	59th	59th	55th	45th	36th	27th	50th
Computer Engineering	Percentage URG, all UGRAD Students									
University of Delaware	9%	8%	16%	16%	18%	22%	22%	19%	16%	20%
Average of all schools	25%	25%	26%	23%	23%	22%	22%	22%	22%	23%
UD Rank / # of Institutions	132/179	139/181	92/183	88/188	74/183	63/187	56/181	71/184	99/186	75/175
Percentile	26th	23rd	50th	53rd	60th	66th	69th	61st	47th	57th
Average of comparators	11%	11%	11%	10%	11%	11%	11%	11%	12%	12%
UD Rank / # of Institutions	13/21	17/21	6/20	4/21	3/19	1/19	2/20	4/20	7/21	2/19
Percentile	38th	19th	70th	81st	84th	95th	90th	80th	67th	89th
Computer Science	Percentage URG, all UGRAD Students									
University of Delaware	12%	10%	12%	12%	14%	14%	12%	13%	14%	13%
Average of all schools	17%	18%	18%	18%	18%	19%	18%	19%	19%	20%
UD Rank / # of Institutions	96/213	131/224	113/221	116/222	96/219	108/224	129/224	111/218	112/216	127/207
Percentile	55th	42nd	49th	48th	56th	52nd	42nd	49th	48th	39th
Average of comparators	10%	10%	10%	10%	11%	11%	11%	11%	11%	11%
UD Rank / # of Institutions	7/21	9/23	4/22	6/22	4/23	5/22	9/23	5/23	6/24	8/22
Percentile	67th	61st	82nd	73rd	83rd	77th	61st	78th	75th	64th

Table 6. % URG undergraduate students for the COE, by program, last 10 years (2010-2019) (cont.)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Electrical Engineering	Percentage URG, all UGRAD Students									
University of Delaware	8%	10%	13%	17%	14%	16%	15%	14%	15%	15%
Average of all schools	22%	22%	22%	22%	22%	22%	22%	22%	23%	24%
UD Rank / # of Institutions	176/252	155/257	130/261	109/262	132/257	112/247	123/243	125/234	129/233	142/236
Percentile	30th	40th	50th	58th	49th	55th	49th	47th	45th	40th
Average of comparators	12%	12%	12%	12%	12%	12%	13%	12%	14%	15%
UD Rank / # of Institutions	17/22	13/22	6/22	4/22	8/22	7/21	6/21	7/21	8/22	9/20
Percentile	23rd	41st	73rd	82nd	64th	67th	71st	67th	64th	55th
Environmental Engineering	Percentage URG, all UGRAD Students									
University of Delaware	11%	9%	8%	10%	9%	12%	12%	12%	15%	13%
Average of all schools	16%	17%	18%	18%	18%	18%	21%	21%	19%	21%
UD Rank / # of Institutions	27/63	42/65	43/65	41/65	46/64	40/68	45/74	50/76	41/77	45/69
Percentile	57th	35th	34th	37th	28th	41st	39th	34th	47th	35th
Average of comparators	8%	8%	8%	10%	10%	11%	10%	12%	12%	15%
UD Rank / # of Institutions	2/6	3/7	3/7	5/8	6/8	4/9	6/12	6/12	5/12	6/10
Percentile	67th	57th	57th	38th	25th	56th	50th	50th	58th	40th
Materials Science & Engineering	Percentage URG, all UGRAD Students									
University of Delaware	-	-	-	-	-	-	-	-	-	23%
Average of all schools	9%	11%	11%	12%	12%	14%	14%	15%	15%	16%
UD Rank / # of Institutions	-	-	-	-	-	-	-	-	-	14/61
Percentile	-	-	-	-	-	-	-	-	-	77th
Average of comparators	6%	7%	9%	9%	10%	10%	10%	11%	12%	13%
UD Rank / # of Institutions	-	-	-	-	-	-	-	-	-	3/20
Percentile	-	-	-	-	-	-	-	-	-	85th
Mechanical Engineering	Percentage URG, all UGRAD Students									
University of Delaware	11%	8%	8%	10%	11%	9%	9%	11%	12%	13%
Average of all schools	16%	16%	17%	17%	18%	18%	18%	19%	20%	21%
UD Rank / # of Institutions	129/278	179/282	195/285	176/288	171/290	194/286	198/276	171/269	170/266	155/259
Percentile	54th	37th	32nd	39th	41st	32nd	28th	36th	36th	40th
Average of comparators	8%	9%	9%	10%	10%	10%	11%	12%	12%	13%
UD Rank / # of Institutions	5/24	13/24	12/24	9/24	8/24	11/24	15/24	10/24	12/25	10/23
Percentile	79th	46th	50th	63rd	67th	54th	38th	58th	52nd	57th

5.4 Retention

Figure 30 summarizes the 6-year graduation rates for undergraduate students by program, for majority, minority and female populations, in the Fall 2014 cohort. Graduation rates shown are for students who graduate in their original COE program (or who graduate within COE for the COE columns).

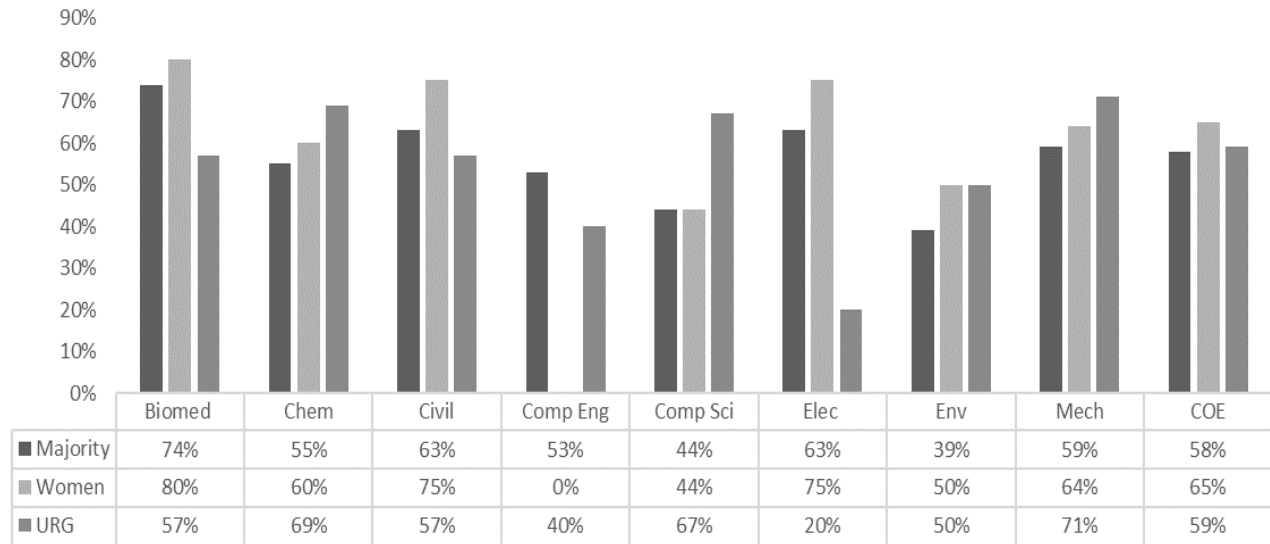


Figure 30. Retention rates, Fall 2014 cohort, quantified by 6-year graduation rates, for all COE undergraduate programs

Appendix A - Definitions

University of Delaware Comparator Institutions (as of September 2016)

1. Boston University
2. Case Western Reserve University
3. Georgia Institute of Technology – Main Campus
4. Indiana University – Bloomington
5. Iowa State University
6. Michigan State University
7. North Carolina State University at Raleigh
8. Ohio State University – Main Campus
9. Pennsylvania State University – Main Campus
10. Purdue University – Main Campus
11. Rutgers University – New Brunswick
12. Stony Brook University
13. Texas A&M University – College Station
14. University of Arizona
15. University of Connecticut
16. University of Illinois at Urbana-Champaign
17. University of Maryland – College Park
18. University of Massachusetts – Amherst
19. University of Michigan – Ann Arbor
20. University of Minnesota – Twin Cities
21. University of North Carolina at Chapel Hill
22. University of Pittsburgh
23. University of Utah
24. University of Virginia – Main Campus
25. Virginia Polytechnic Institute and State University

Departments and undergraduate programs

COE = College of Engineering

	Department	Undergraduate program(s)
BMEG	Biomedical engineering	Biomedical engineering
CHEG	Chemical and biomolecular engineering	Chemical engineering
CIEG	Civil and environmental engineering	Civil engineering Construction engineering and management Environmental engineering
CISC	Computer science	Computer science Information systems
ELEG	Electrical and computer engineering	Computer engineering Electrical engineering
MSEG	Materials science and engineering	Materials science and engineering
MEEG	Mechanical engineering	Mechanical engineering

Figures for all undergraduate computer science programs (BA and BS) have been combined into one due to low numbers of students in two of the three programs.

Staff Job Types

Table A1. Job titles included in each job type

Job type	Jobs included
Administrative support	Human resources staff, department support staff (administrative assistants, academic advisors, business administrators), sponsored research and procurement staff, outreach, Dean's support staff, financial services, academic affairs, communications
Technical support	Facilities, lab coordinators, core facilities (machine shops, electronics), information technology
Research staff	Lab and center researchers (Engineers), post-doctoral researchers, limited-term researchers

Appendix B – Raw Data, Fall 2020, for Faculty, Staff & Students

Table B1. Fall 2020 faculty by department, type/rank and gender

Dept	Continuing Track		TT/T Assistant Professor		TT/T Associate Professor		TT/T Full Professor		Total		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
BMEG	1	2	3	1	4	1	0	1	8	5	13
CHEG	1	1	2	1	0	0	16	4	19	6	25
CIEG	5	3	3	0	0	3	15	2	23	8	31
CISC	4	2	5	3	7	0	4	4	20	9	29
ELEG	4	0	3	3	4	2	13	0	24	5	29
MSEG	3	0	2	1	2	1	9	3	16	5	21
MEEG	1	2	4	1	10	0	9	2	24	5	29
Total	19	10	22	10	27	7	66	16	134	43	177

Table B2. Fall 2020 faculty by department, type/rank and race

Dept	Continuing Track				TT/T Assistant Professor				TT/T Associate Professor				TT/T Full Professor				Total				
	White	Asian	Other	URG	White	Asian	Other	URG	White	Asian	Other	URG	White	Asian	Other	URG	White	Asian	Other	URG	Total
BMEG	2	0	1	0	3	0	1	0	5	0	0	0	1	0	0	0	11	0	2	0	13
CHEG	1	1	0	0	2	1	0	0	0	0	0	0	10	6	0	4	13	8	0	4	25
CIEG	5	1	2	0	2	0	1	0	1	0	0	1	11	6	0	1	19	7	3	2	31
CISC	6	0	0	0	4	1	3	0	5	2	0	0	3	5	0	0	18	8	3	0	29
ELEG	4	0	0	0	1	3	2	0	1	5	0	0	9	2	0	2	15	10	2	2	29
MSEG	1	1	0	1	0	1	2	0	2	0	0	1	9	2	0	1	12	4	2	3	21
MEEG	3	0	0	0	1	2	1	1	8	2	0	0	5	6	0	0	17	10	1	1	29
Total	22	3	3	1	13	8	10	1	22	9	0	2	48	27	0	8	105	47	13	12	177

Table B3. Fall 2020 COE staff by job type, gender, and race

		Asian	Black/African American	Hispanic/Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
Admin Support	Total	2	10	1	0	0	1	74	88
	Female	1	9	1	0	0	1	67	79
	Male	1	1	0	0	0	0	7	9
Tech Support	Total	3	2	1	1	0	0	22	29
	Female	0	0	0	1	0	0	2	3
	Male	3	2	1	0	0	0	20	26
Research	Total	14	2	2	0	4	0	30	52
	Female	3	0	0	0	0	0	8	11
	Male	11	2	2	0	4	0	22	41
	Grand Total	19	14	4	1	4	1	126	169

Table B4. Fall 2020 COE administrative and technical staff (no research staff) by managerial role, gender, and race

		Asian	Black/African American	Hispanic/Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
Managerial	Total	3	3	1	0	0	0	24	31
	Female	0	1	1	0	0	0	16	18
	Male	3	2	0	0	0	0	8	13
Non managerial	Total	2	9	1	1	0	1	72	86
	Female	1	8	0	1	0	1	53	64
	Male	1	1	1	0	0	0	19	22
	Grand Total	5	12	2	1	0	1	96	117

Table B5. All Fall 2020 COE graduate students by department, gender, and race

		Amer Ind/ Pacif Island	Asian	Black/African American	Hispanic/ Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
BMEG	Total	0	5	0	4	2	11	1	38	61
	Female	0	4	0	2	1	4	0	20	31
	Male	0	1	0	2	1	7	1	18	30
	Unknown	0	0	0	0	0	0	0	0	0
CEEP	Total	0	0	0	0	0	1	0	0	1
	Female	0	0	0	0	0	1	0	0	1
	Male	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0
CHEG	Total	1	22	2	3	3	62	1	70	164
	Female	0	9	0	1	1	20	0	21	52
	Male	1	13	2	2	2	42	1	49	112
	Unknown	0	0	0	0	0	0	0	0	0
CIEG	Total	0	4	2	5	0	60	0	42	113
	Female	0	0	1	2	0	21	0	19	43
	Male	0	4	1	3	0	39	0	23	70
	Unknown	0	0	0	0	0	0	0	0	0
CISC	Total	1	6	3	3	1	87	2	29	132
	Female	1	2	2	0	1	25	2	4	37
	Male	0	4	1	3	0	62	0	25	95
	Unknown	0	0	0	0	0	0	0	0	0
EG	Total	0	0	0	0	0	0	0	2	2
	Female	0	0	0	0	0	0	0	1	1
	Male	0	0	0	0	0	0	0	1	1
	Unknown	0	0	0	0	0	0	0	0	0
ELEG	Total	0	15	10	7	5	96	6	72	211
	Female	0	2	1	0	2	14	1	13	33
	Male	0	13	9	7	3	82	5	59	178
	Unknown	0	0	0	0	0	0	0	0	0
MEEG	Total	0	5	1	0	1	74	0	33	114
	Female	0	1	1	0	0	14	0	8	24
	Male	0	4	0	0	1	60	0	25	90
	Unknown	0	0	0	0	0	0	0	0	0
MSEG	Total	0	3	2	3	2	55	3	28	96
	Female	0	1	0	0	1	22	1	11	36
	Male	0	2	2	3	1	33	2	16	59
	Unknown	0	0	0	0	0	0	0	1	1
Grand Total		2	60	20	25	14	446	13	312	894

Table B6. New Fall 2020 COE graduate students by department, gender, and race

		Amer Ind/ Pacif Island	Asian	Black/African American	Hispanic/ Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
BMEG	Total	0	2	0	0	0	4	0	8	14
	Female	0	2	0	0	0	3	0	4	9
	Male	0	0	0	0	0	1	0	4	5
	Unknown	0	0	0	0	0	0	0	0	0
CEEP	Total	0	0	0	0	0	0	0	0	0
	Female	0	0	0	0	0	0	0	0	0
	Male	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0
CHEG	Total	0	5	0	0	1	6	0	17	29
	Female	0	2	0	0	0	2	0	5	9
	Male	0	3	0	0	1	4	0	12	20
	Unknown	0	0	0	0	0	0	0	0	0
CIEG	Total	0	0	2	2	0	5	0	12	21
	Female	0	0	1	1	0	3	0	7	12
	Male	0	0	1	1	0	2	0	5	9
	Unknown	0	0	0	0	0	0	0	0	0
CISC	Total	0	2	1	0	0	13	1	11	28
	Female	0	1	1	0	0	4	1	2	9
	Male	0	1	0	0	0	9	0	9	19
	Unknown	0	0	0	0	0	0	0	0	0
ELEG	Total	0	3	2	3	0	11	0	15	34
	Female	0	1	0	0	0	1	0	2	4
	Male	0	2	2	3	0	10	0	13	30
	Unknown	0	0	0	0	0	0	0	0	0
MEEG	Total	0	1	0	0	0	12	0	9	22
	Female	0	0	0	0	0	4	0	3	7
	Male	0	1	0	0	0	8	0	6	15
	Unknown	0	0	0	0	0	0	0	0	0
MSEG	Total	0	0	0	1	1	3	0	1	6
	Female	0	0	0	0	1	2	0	1	4
	Male	0	0	0	1	0	1	0	0	2
	Unknown	0	0	0	0	0	0	0	0	0
Grand Total		0	13	5	6	2	54	1	73	154

Table B7. AY 19-20 graduating COE graduate students by department, gender, and race

		Amer Ind/ Pacif Island	Asian	Black/African American	Hispanic/ Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
BMEG	Total	0	0	0	0	1	1	0	4	6
	Female	0	0	0	0	1	0	0	3	3
	Male	0	0	0	0	0	1	0	1	1
	Unknown	0	0	0	0	0	0	0	0	0
CEEP	Total	0	0	0	0	0	2	0	1	3
	Female	0	0	0	0	0	2	0	0	2
	Male	0	0	0	0	0	0	0	1	1
	Unknown	0	0	0	0	0	0	0	0	0
CHEG	Total	0	4	0	0	1	7	1	13	26
	Female	0	2	0	0	0	3	1	5	5
	Male	0	2	0	0	1	4	0	8	8
	Unknown	0	0	0	0	0	0	0	0	0
CIEG	Total	0	0	0	1	0	15	0	18	34
	Female	0	0	0	0	0	5	0	5	5
	Male	0	0	0	1	0	10	0	13	13
	Unknown	0	0	0	0	0	0	0	0	0
CISC	Total	0	1	0	0	1	23	0	6	31
	Female	0	0	0	0	0	8	0	2	10
	Male	0	1	0	0	1	15	0	4	21
	Unknown	0	0	0	0	0	0	0	0	0
ELEG	Total	2	11	2	6	2	39	0	34	96
	Female	0	3	1	0	1	8	0	3	16
	Male	2	8	1	6	1	31	0	31	80
	Unknown	0	0	0	0	0	0	0	0	0
MEEG	Total	0	1	0	1	0	11	2	10	25
	Female	0	1	0	0	0	0	0	4	5
	Male	0	0	0	1	0	11	2	6	20
	Unknown	0	0	0	0	0	0	0	0	0
MSEG	Total	0	0	0	0	1	9	0	7	17
	Female	0	0	0	0	0	4	0	2	6
	Male	0	0	0	0	1	5	0	5	11
	Unknown	0	0	0	0	0	0	0	0	0
Grand Total		2	17	2	8	6	107	3	93	238

Table B8. All Fall 2020 COE undergraduate students by program, gender, and race

		Amer Ind/ Pacif Island	Asian	Black/African American	Hispanic/ Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
Biomedical	Total	1	25	14	9	11	6	6	172	244
	Female	1	12	10	6	4	5	3	105	146
	Male	0	13	4	3	7	1	3	67	98
	Unknown	0	0	0	0	0	0	0	0	0
Chemical	Total	0	53	6	28	14	65	11	224	401
	Female	0	13	5	8	5	20	0	71	122
	Male	0	40	1	20	9	45	11	153	279
	Unknown	0	0	0	0	0	0	0	0	0
Civil	Total	0	8	8	26	8	4	6	151	211
	Female	0	3	4	9	1	1	0	42	60
	Male	0	5	4	17	7	3	6	109	151
	Unknown	0	0	0	0	0	0	0	0	0
Computer Engineering	Total	1	17	14	13	9	7	6	95	162
	Female	0	1	1	1	4	3	0	10	20
	Male	1	16	13	12	5	4	6	85	142
	Unknown	0	0	0	0	0	0	0	0	0
Computer Science	Total	0	79	22	33	14	73	12	245	478
	Female	0	25	6	7	2	14	3	55	112
	Male	0	54	16	26	12	59	9	190	366
	Unknown	0	0	0	0	0	0	0	0	0
Construction Mgmt	Total	0	1	1	7	0	1	3	60	73
	Female	0	1	1	4	0	0	0	9	15
	Male	0	0	0	3	0	1	3	51	58
	Unknown	0	0	0	0	0	0	0	0	0
Electrical	Total	1	7	6	14	7	12	5	74	126
	Female	0	0	1	1	0	1	2	6	11
	Male	1	7	5	13	7	11	3	68	115
	Unknown	0	0	0	0	0	0	0	0	0
Engineering Undeclared	Total	0	2	4	12	1	2	3	59	83
	Female	0	2	0	6	0	1	1	14	24
	Male	0	0	4	6	1	1	2	45	59
	Unknown	0	0	0	0	0	0	0	0	0
Environmental	Total	0	7	2	8	4	5	3	67	96
	Female	0	6	1	6	2	2	2	41	60
	Male	0	1	1	2	2	3	1	26	36
	Unknown	0	0	0	0	0	0	0	0	0
Materials	Total	0	1	0	3	0	0	2	14	20
	Female	0	1	0	1	0	0	0	7	9
	Male	0	0	0	2	0	0	2	7	11
	Unknown	0	0	0	0	0	0	0	0	0
Mechanical	Total	0	36	25	53	16	14	23	406	573
	Female	0	7	7	8	3	1	3	75	104
	Male	0	29	18	45	13	13	20	331	469
	Unknown	0	0	0	0	0	0	0	0	0
Grand Total		3	236	102	206	84	189	80	1,567	2,467

Table B9. New Fall 2020 COE undergraduate students by program, gender, and race

		Amer Ind/ Pacif Island	Asian	Black/African American	Hispanic/ Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
Biomedical	Total	0	4	3	2	3	0	0	40	52
	Female	0	1	3	2	1	0	0	24	31
	Male	0	3	0	0	2	0	0	16	21
	Unknown	0	0	0	0	0	0	0	0	0
Chemical	Total	0	18	2	9	5	15	2	71	122
	Female	0	6	2	5	1	5	0	29	48
	Male	0	12	0	4	4	10	2	42	74
	Unknown	0	0	0	0	0	0	0	0	0
Civil	Total	0	0	4	5	3	0	1	28	41
	Female	0	0	2	0	1	0	0	4	7
	Male	0	0	2	5	2	0	1	24	34
	Unknown	0	0	0	0	0	0	0	0	0
Computer Engineering	Total	1	2	8	3	2	1	3	21	41
	Female	0	0	1	0	1	1	0	2	5
	Male	1	2	7	3	1	0	3	19	36
	Unknown	0	0	0	0	0	0	0	0	0
Computer Science	Total	0	18	5	8	4	4	3	52	94
	Female	0	10	2	1		2	1	16	32
	Male	0	8	3	7	4	2	2	36	62
	Unknown	0	0	0	0	0	0	0	0	0
Construction Mgmt	Total	0	0	0	1	0	0	0	11	12
	Female	0	0	0	1	0	0	0	2	3
	Male	0	0	0	0	0	0	0	9	9
	Unknown	0	0	0	0	0	0	0	0	0
Electrical	Total	1	1	2	7	0	0	0	15	26
	Female	0	0	0	0	0	0	0	1	1
	Male	1	1	2	7	0	0	0	14	25
	Unknown	0	0	0	0	0	0	0	0	0
Engineering Undeclared	Total	0	2	4	12	1	1	3	58	81
	Female	0	2	0	6	0	1	1	14	24
	Male	0	0	4	6	1	0	2	44	57
	Unknown	0	0	0	0	0	0	0	0	0
Environmental	Total	0	3	0	3	2	0	0	18	26
	Female	0	3	0	2	0	0	0	12	17
	Male	0	0	0	1	2	0	0	6	9
	Unknown	0	0	0	0	0	0	0	0	0
Materials	Total	0	0	0	1	0	0	1	2	4
	Female	0	0	0	1	0	0	0	0	1
	Male	0	0	0	0	0	0	1	2	3
	Unknown	0	0	0	0	0	0	0	0	0
Mechanical	Total	0	9	7	10	4	3	4	93	130
	Female	0	2	2	1	1	1	0	14	21
	Male	0	7	5	9	3	2	4	79	109
	Unknown	0	0	0	0	0	0	0	0	0
Grand Total		2	57	35	61	24	24	17	409	629

Table B10. AY 2019-20 graduating COE undergraduate students by program, gender, and race

		Amer Ind/ Pacif Island	Asian	Black/African American	Hispanic/ Latino	Multi Ethnic	Int'l	Not Specified	White	Grand Total
Biomedical	Total	0	7	1	1	0	1	0	43	53
	Female	0	6	0	0	0	0	0	24	30
	Male	0	1	1	1	0	1	0	19	23
	Unknown	0	0	0	0	0	0	0	0	0
Chemical	Total	0	2	3	5	5	5	0	64	84
	Female	0	1	2	0	1	3	0	11	18
	Male	0	1	1	5	4	2	0	53	66
	Unknown	0	0	0	0	0	0	0	0	0
Civil	Total	1	4	3	1	1	2	0	64	76
	Female	1	2	1	0	0	1	0	14	19
	Male	0	2	2	1	1	1	0	50	57
	Unknown	0	0	0	0	0	0	0	0	0
Comp Eng	Total	1	8	1	2	1	3	0	28	44
	Female	0	1	0	0	1	0	0	1	3
	Male	1	7	1	2	0	3	0	27	41
	Unknown	0	0	0	0	0	0	0	0	0
Comp Sci	Total	0	17	3	6	3	7	1	48	85
	Female	0	5	1	0	0	3	1	11	21
	Male	0	12	2	6	3	4	0	37	64
	Unknown	0	0	0	0	0	0	0	0	0
Electrical	Total	1	3	4	4	0	10	0	30	52
	Female	0	0	0	0	0	2	0	6	8
	Male	1	3	4	4	0	8	0	24	44
	Unknown	0	0	0	0	0	0	0	0	0
Environmental	Total	0	1	0	3	0	3	0	22	29
	Female	0	1	0	1	0	1	0	13	16
	Male	0	0	0	2	0	2	0	9	13
	Unknown	0	0	0	0	0	0	0	0	0
Mechanical	Total	0	14	4	4	2	14	1	120	159
	Female	0	3	3	1	1	5	0	32	45
	Male	0	11	1	3	1	9	1	88	114
	Unknown	0	0	0	0	0	0	0	0	0
Grand Total		3	56	19	26	12	45	2	419	582

Appendix C – Raw Data, Historical, for Faculty, Staff & Students

Table C1. 10-Year (2011-2020) COE undergraduate students by program, gender and URG status

		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
COE	Women	412	467	510	549	586	576	606	644	635	683
	Men	1,648	1,759	1,838	1,877	1,855	1,763	1,778	1,761	1,774	1,784
	URG	199	244	278	297	298	269	301	309	325	364
	Total	2,060	2,226	2,348	2,434	2,443	2,339	2,384	2,405	2,410	2,467
Biomedical	Women	38	65	90	102	108	105	109	136	138	146
	Men	66	86	116	106	112	94	98	104	101	98
	URG	9	17	23	29	21	17	21	29	31	33
	Total	104	151	206	208	220	199	207	240	239	244
Chemical	Women	106	105	115	125	119	115	117	100	106	122
	Men	289	323	330	340	307	298	312	303	279	279
	URG	37	47	46	49	40	38	48	39	35	38
	Total	395	428	445	463	426	413	429	403	385	401
Civil	Women	71	74	71	71	79	75	86	84	89	60
	Men	285	316	333	312	290	237	200	179	162	151
	URG	33	43	45	45	48	41	33	30	34	37
	Total	356	390	404	383	370	312	286	263	251	211
Computer Engineering	Women	6	9	15	7	12	15	15	18	19	20
	Men	82	94	115	119	129	143	173	154	164	142
	URG	8	18	23	23	30	33	35	30	40	34
	Total	88	103	130	126	141	158	188	172	183	162
Computer Science	Women	22	27	24	40	50	52	68	78	86	112
	Men	201	218	227	229	226	221	245	280	337	366
	URG	24	30	30	36	40	31	42	55	59	68
	Total	223	245	251	279	276	273	313	358	423	478
Construction Mgmt	Women	0	0	0	0	0	0	0	7	9	15
	Men	0	0	0	0	0	0	0	25	47	58
	URG	0	0	0	0	0	0	0	3	5	8
	Total	0	0	0	0	0	0	0	32	56	73
Electrical	Women	19	24	24	21	29	18	16	20	16	11
	Men	144	145	150	184	189	215	182	152	132	115
	URG	20	25	30	32	38	36	29	27	24	27
	Total	163	169	174	205	219	233	198	172	148	126
Energy & Env Policy	Women	14	16	17	15	6	1	0	0	0	0
	Men	14	21	19	18	9	4	0	0	0	0
	URG	2	3	3	4	1	0	0	0	0	0
	Total	28	37	36	33	15	5	0	0	0	0
Engineering Undeclared	Women	30	24	19	33	37	25	25	32	22	24
	Men	100	85	81	103	86	58	72	84	65	59
	URG	12	11	14	10	9	9	14	12	10	17
	Total	130	109	100	136	123	83	97	116	87	83
Environmental Eng	Women	54	60	66	63	65	56	54	60	57	60
	Men	55	69	79	76	66	63	55	47	40	36
	URG	10	11	16	14	18	13	14	17	13	13
	Total	109	129	145	139	131	119	109	107	97	96
Environmental Science	Women	1	1	4	6	1	0	0	0	0	0
	Men	3	0	6	6	2	1	0	0	0	0
	URG	0	0	1	0	1	0	0	0	0	0
	Total	4	1	10	12	3	1	0	0	0	0
Materials Science	Women	0	0	0	0	0	0	0	0	4	9
	Men	0	0	0	0	0	0	0	0	7	11
	URG	0	0	0	0	0	0	0	0	2	3
	Total	0	0	0	0	0	0	0	0	11	20
Mechanical	Women	51	62	65	66	80	114	116	109	89	104
	Men	409	402	382	384	439	429	441	433	440	469
	URG	44	39	47	55	52	51	65	67	72	86
	Total	460	464	447	450	519	543	557	542	530	573

Table C2. 10-Year (2011-2020) COE graduate students by department, gender and URG status

		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
COE	Women	208	216	232	221	233	237	245	251	248	258
	Men	607	641	649	640	644	690	718	672	670	635
	Other	0	0	0	0	0	0	0	0	0	1
	URG	72	73	75	78	79	83	101	94	100	92
	International	420	448	455	453	493	492	499	478	477	446
	Total	823	865	887	867	881	931	966	925	920	894
Biomedical	Women		0	5	7	10	15	18	21	24	31
	Men		6	10	11	17	23	26	24	28	30
	Other		0	0	0	0	0	0	0	0	0
	URG		1	3	4	4	4	5	6	6	7
	International		2	3	3	5	5	6	6	8	11
	Total		6	15	18	27	38	44	45	52	61
Chemical	Women	43	46	55	52	59	55	49	53	57	52
	Men	99	101	92	102	101	87	98	100	105	112
	Other	0	0	0	0	0	0	0	0	0	0
	URG	7	9	15	15	17	17	15	12	12	10
	International	41	44	37	39	39	34	45	51	65	62
	Total	142	147	147	154	160	142	147	153	162	164
Civil & Environ.	Women	38	36	36	31	40	30	31	41	37	43
	Men	75	80	81	73	79	81	71	68	73	70
	Other	0	0	0	0	0	0	0	0	0	0
	URG	10	9	13	13	14	11	10	12	17	19
	International	58	58	64	63	70	70	63	63	67	60
	Total	113	116	117	104	119	111	102	109	110	113
Computer Science	Women	33	32	32	39	43	43	51	48	31	37
	Men	100	106	112	114	108	105	112	107	105	95
	Other	0	0	0	0	0	0	0	0	0	0
	URG	10	6	3	3	10	14	12	12	13	10
	International	92	101	109	120	118	110	122	114	95	87
	Total	133	138	144	153	151	148	163	155	136	132
Electrical & Computer	Women	20	31	35	32	34	44	49	38	37	33
	Men	119	131	134	142	183	235	247	205	191	178
	Other	0	0	0	0	0	0	0	0	0	0
	URG	19	24	19	21	21	24	44	39	36	31
	International	76	101	101	101	151	164	146	118	104	96
	Total	139	162	169	174	217	279	297	243	229	211
Energy & Env. Policy	Women	23	25	25	17	8	4	3	2	2	1
	Men	34	33	34	30	16	10	7	5	3	0
	Other	0	0	0	0	0	0	0	0	0	0
	URG	5	7	9	7	4	2	3	1	1	0
	International	28	27	34	28	17	9	6	3	2	1
	Total	57	58	60	47	24	14	10	7	5	1
Materials Science	Women	26	22	21	27	26	28	28	30	35	36
	Men	52	56	57	52	44	55	58	72	70	59
	Other	0	0	0	0	0	0	0	0	0	1
	URG	9	8	5	6	6	7	8	8	8	9
	International	47	46	49	47	42	41	41	52	62	55
	Total	78	78	78	79	71	84	87	103	106	96
Mechanical	Women	17	17	17	9	9	12	16	18	25	24
	Men	84	80	77	73	68	72	87	91	95	90
	Other	0	0	0	0	0	0	0	0	0	0
	URG	4	6	4	4	1	2	2	4	7	6
	International	70	62	54	48	49	56	69	70	74	74
	Total	101	97	94	83	77	84	103	109	120	114
Office of the Dean	Women	8	7	6	7	4	6	0	0	0	1
	Men	44	48	52	43	28	22	12	0	0	1
	Other	0	0	0	0	0	0	0	0	0	0
	URG	8	3	4	5	2	2	2	0	0	0
	International	8	7	4	4	2	3	1	1	0	0
	Total	60	63	63	55	35	31	13	1	0	2

Table C3. 10-Year (2011-2020) COE faculty by department, type, gender and URG status

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
COE	CT	Women					3	4	6	8	8	7	10
		Men					5	6	8	10	15	21	19
		URG					0	0	0	0	1	1	1
		Total					8	10	14	18	23	28	29
	T/TT	Women	23	23	21	21	24	26	28	29	34	33	
		Men	108	110	107	106	103	101	104	113	117	115	
		URG	7	7	8	7	8	8	8	11	11	11	
		Total	131	133	128	127	127	127	132	142	151	148	
	CT & T/TT	Women	23	23	21	24	28	32	36	37	41	43	
		Men	108	110	107	111	109	109	114	128	138	134	
		URG	7	7	8	7	8	8	8	12	12	12	
		Total	131	133	128	135	137	141	150	165	179	177	
Biomedical	CT	Women					1	2	2	2	1	2	2
		Men					0	0	0	0	0	1	1
		URG					0	0	0	0	0	0	0
		Total					1	2	2	2	1	3	3
	T/TT	Women		1	2	2	2	3	3	3	4	3	
		Men		2	1	4	5	6	6	6	6	7	
		URG		0	1	0	0	0	0	0	0	0	
		Total		3	3	6	7	9	9	9	10	10	
	CT & T/TT	Women		1	2	3	4	5	5	4	6	5	
		Men		2	1	4	5	6	6	6	7	8	
		URG		0	1	0	0	0	0	0	0	0	
		Total		3	3	7	9	11	11	10	13	13	
Chemical	CT	Women					0	0	1	1	1	1	1
		Men					0	1	1	1	1	1	1
		URG					0	0	0	0	0	0	0
		Total					0	1	2	2	2	2	2
	T/TT	Women	5	4	2	3	3	3	4	4	5	5	
		Men	23	22	21	21	19	19	18	19	21	18	
		URG	3	3	2	2	2	2	2	2	3	4	
		Total	28	26	23	24	22	22	22	23	26	23	
	CT & T/TT	Women	5	4	2	3	3	4	5	5	6	6	
		Men	23	22	21	21	20	20	19	20	22	19	
		URG	3	3	2	2	2	2	2	2	3	4	
		Total	28	26	23	24	23	24	24	25	28	25	
Civil & Environ.	CT	Women					0	0	0	1	2	2	3
		Men					1	1	2	3	4	5	5
		URG					0	0	0	0	0	0	0
		Total					1	1	2	4	6	7	8
	T/TT	Women	4	4	4	4	4	4	5	6	6	5	
		Men	20	20	21	19	17	16	18	19	18	18	
		URG	1	1	2	2	2	2	2	3	3	2	
		Total	24	24	25	23	21	20	23	25	24	23	
	CT & T/TT	Women	4	4	4	4	4	4	6	8	8	8	
		Men	20	20	21	20	18	18	21	23	23	23	
		URG	1	1	2	2	2	2	2	3	3	2	
		Total	24	24	25	24	22	22	27	31	31	31	
Computer Science	CT	Women					0	0	0	1	2	2	2
		Men					2	2	2	2	4	4	4
		URG					0	0	0	0	0	0	0
		Total					2	2	2	3	6	6	6
	T/TT	Women	6	6	6	6	8	7	7	6	7	7	
		Men	16	17	17	16	15	15	14	15	14	16	
		URG	1	1	1	1	1	1	1	1	0	0	
		Total	22	23	23	22	23	22	21	21	21	23	
	CT & T/TT	Women	6	6	6	6	8	7	8	8	9	9	
		Men	16	17	17	18	17	17	16	19	18	20	
		URG	1	1	1	1	1	1	1	1	0	0	
		Total	22	23	23	24	25	24	24	27	27	29	

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Table C3. 10-Year (2011-2020) COE faculty by department, type, gender and URG status (cont.)

			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Electrical & Computer	CT	Women				0	0	0	0	0	0	0
		Men				1	1	2	3	3	4	4
		URG				0	0	0	0	0	0	0
		Total				1	1	2	3	3	4	4
	T/TT	Women	3	3	2	2	2	4	4	4	4	5
		Men	20	20	19	18	18	16	16	19	21	20
		URG	2	2	2	2	2	2	2	2	2	2
		Total	23	23	21	20	20	20	20	23	25	25
	CT & T/TT	Women	3	3	2	2	2	4	4	4	4	5
		Men	20	20	19	19	19	18	19	22	25	24
		URG	2	2	2	2	2	2	2	2	2	2
		Total	23	23	21	21	21	22	23	26	29	29
Materials Science	CT	Women				0	0	0	0	0	0	0
		Men				1	1	1	1	2	3	3
		URG				0	0	0	0	1	1	1
		Total				1	1	1	1	2	3	3
	T/TT	Women	2	2	2	2	3	3	3	4	5	5
		Men	11	11	11	11	11	11	12	13	13	13
		URG	0	0	0	0	1	1	1	2	2	2
		Total	13	13	13	13	14	14	15	17	18	18
	CT & T/TT	Women	2	2	2	2	3	3	3	4	5	5
		Men	11	11	11	12	12	12	13	15	16	16
		URG	0	0	0	0	1	1	1	3	3	3
		Total	13	13	13	14	15	15	16	19	21	21
Mechanical	CT	Women				2	2	3	3	2	0	2
		Men				0	0	0	0	1	3	1
		URG				0	0	0	0	0	0	0
		Total				2	2	3	3	3	3	3
	T/TT	Women	3	3	3	2	2	2	2	2	3	3
		Men	18	18	17	17	18	18	20	22	24	23
		URG	0	0	0	0	0	0	0	1	1	1
		Total	21	21	20	19	20	20	22	24	27	26
	CT & T/TT	Women	3	3	3	4	4	5	5	4	3	5
		Men	18	18	17	17	18	18	20	23	27	24
		URG	0	0	0	0	0	0	0	1	1	1
		Total	21	21	20	21	22	23	25	27	30	29

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Table C4. 4-Year (2017-2020) COE staff by job type, managerial role, gender and URG status

		2017	2018	2019	2020
COE	Women	93	99	91	93
	Men	57	81	83	76
	URG	15	18	17	18
	Total	150	180	174	169
Admin support	Women	82	84	78	79
	Men	12	10	10	9
	URG	12	13	10	11
	Total	94	94	88	88
Tech support	Women	4	4	3	3
	Men	26	29	29	26
	URG	3	4	3	3
	Total	30	33	32	29
Research	Women	7	11	10	11
	Men	19	42	44	41
	URG	0	1	4	4
	Total	26	53	54	52
Managerial (Admin & Tech only)	Women	21	21	19	18
	Men	15	17	14	13
	URG	3	4	3	4
	Total	36	38	33	31
Non-managerial (Admin & Tech only)	Women	65	67	62	64
	Men	23	22	25	22
	URG	12	13	10	10
	Total	88	89	87	86