College of Engineering

Diversity and Inclusion

Demographic Data Update

Fall 2018

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College of Engineering
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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 after one year. 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	• 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%	22%	40%	20%	26%	30%	15%	21%	15%
URG (domestic)	10%	7%	0%	8%	10%	4%	8%	16%	4%

Graduate students (incoming)

	Target	COE	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG
Women	33%	26%	57%	32%	43%	14%	11%	25%	27%
URG (domestic)	25%	17%	29%	8%	9%	22%	36%	13%	14%

Undergraduates (incoming)

	Target	COE	Biomed	Chemical	Civil	Comp eng	Comp sci	Electrical	Environ	Mechanical
Women	33%	30%	59%	30%	29%	21%	23%	13%	44%	14%
URG (domestic)	25%	14%	15%	10%	10%	25%	21%	15%	20%	9%

Staff

	Target	COE
Women on tech. staff	30%	21%
Men on admin staff	20%	11%
URG on all staff	20%	10%

Highlights

Faculty

Gender

- 3 of 7 departments met the 25% target (BMEG, CIEG, CISC). (Fig. 4)
- College is close to the target at 22% and has shown strong trend over last 5 years. (Fig. 3, 4)
- The College faculty has increased by 30 in the last 5 years. 43% of that growth (13 faculty members) has been women faculty (24 to 37) (Fig. 2).
- The College is in the top 27th percentile of all U.S. universities in terms of percentage of women faculty (Table 1).
- CISC is in the top 6th percentile of all U.S. colleges of engineering in terms of percentage of women faculty. BMEG is in the top 20th percentile (Table 1).
- Every department has at least 4 women faculty (including 2 tenured women*); two departments have 8 women faculty. (Fig. 5) [*except BMEG which has only 10 faculty]
- All but one department (ELEG) has at least one women full professor (Fig. 5)

URG

- 2 of 7 departments met the 10% target (CIEG, MSEG). (Fig. 7)
- The College is at 7% URG faculty. The number of URG faculty increased from 8 to 12 (2 percentage points) last year. In addition, the new Dean is African-American (Fig. 3)
- BMEG has no URG domestic faculty*; CISC and MEEG have only one. [*Note BMEG has only 10 faculty.] (Fig. 8)
- ELEG is in the top 20th percentile of all U.S. universities in terms of percentage of domestic URG faculty (Table 2).
- Of the 11 domestic URG faculty in the College, 8 are tenured (Fig. 8).

Staff

- Little change so far in percentage of women in tech support (21% vs. 30% target).
- Little change so far in percentage of men in administrative support (11% vs. 20% target).
- No change in percentage of URG on staff (10% vs. 20% target)
- Percentage of women in managerial roles is down from 58% to 55% since 2017.
- Percentage of URG in managerial roles is up from 10% to 14% since 2017.

Graduate students

Gender

- 2 of 7 departments (almost 3) met 33% target for incoming students (BMEG, CHEG, CIEG) (Fig. 16).
- College is at 26% women for incoming students. Percentage of all graduate students who are women has remained flat for last 10 years (Fig. 15, 16).
- The College is in the 62nd percentile of all U.S. colleges of engineering in terms of percentage of women graduate students (Table 3).
- CISC is in the top 18th percentile of all U.S. colleges of engineering in terms of percentage of women graduate students (Table 3).

- Over the last 10 years, BMEG, CHEG, CISC, and ELEG show increasing trends in number of women graduate students (Fig. 18).

URG

- 2 of 7 departments met 25% target for incoming domestic students (BMEG, ELEG) (Fig. 19).
- College is at 17% URG for incoming domestic students (Fig. 19).
- Over the last 10 years, BMEG, CISC, and ELEG show increasing trends in number of URG domestic graduate students (Fig. 21).

Undergraduate students

Gender

- 3 of 8 programs (almost 4) met 30% target for incoming students (Biomed, Chem, Civil, Environ). (Fig. 24)
- College as a whole met 30% target for incoming students.
- The College is in the top 25th percentile of all U.S. colleges of engineering in terms of percentage of women undergraduates. Biomedical and computer science are too. Electrical and chemical are in the bottom 10th percentile (Table 5).
- Percentage of women undergraduates has shown steady positive trend in last 10 years (19% to 27%) (Fig. 23).
- Computer eng. and electrical are still relatively low with 10% and 12% women undergraduates (Fig. 24). They each have only 5 incoming women as well (Fig. 25).
- Over the last 10 years, biomedical, civil, computer eng, computer sci., and mechanical show increasing trends in number of women undergraduate students (Fig. 26).
- The 6-year graduation rate for women in the College is 55%, compared to 60% for majority students. (Fig. 30)

URG

- 5 of 8 programs met 15% target for incoming students (Biomed, Comp eng, Comp sci, Elec, Environ). (Fig. 27)
- College is close at 14% and has shown positive trend over last 10 years (up 4 percentage points) (Fig. 23).
- The College and every department (except computer eng.) are below the median among all U.S. colleges of engineering in terms of percentage of undergraduate domestic URG students (Table 6).
- Over the last 10 years, biomedical, chemical, computer eng, computer sci., electrical, and mechanical show increasing trends in number of undergraduate domestic URG students (Fig. 29).
- The 6-year graduation rate for URG undergraduates in the College is 49%, compared to 60% 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 in order 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	• 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 first 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 2018 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.

	2014	2015	2016	2017	2018
Women	24	28	32	36	37
URG	7	8	8	8	12
All	135	137	141	150	165
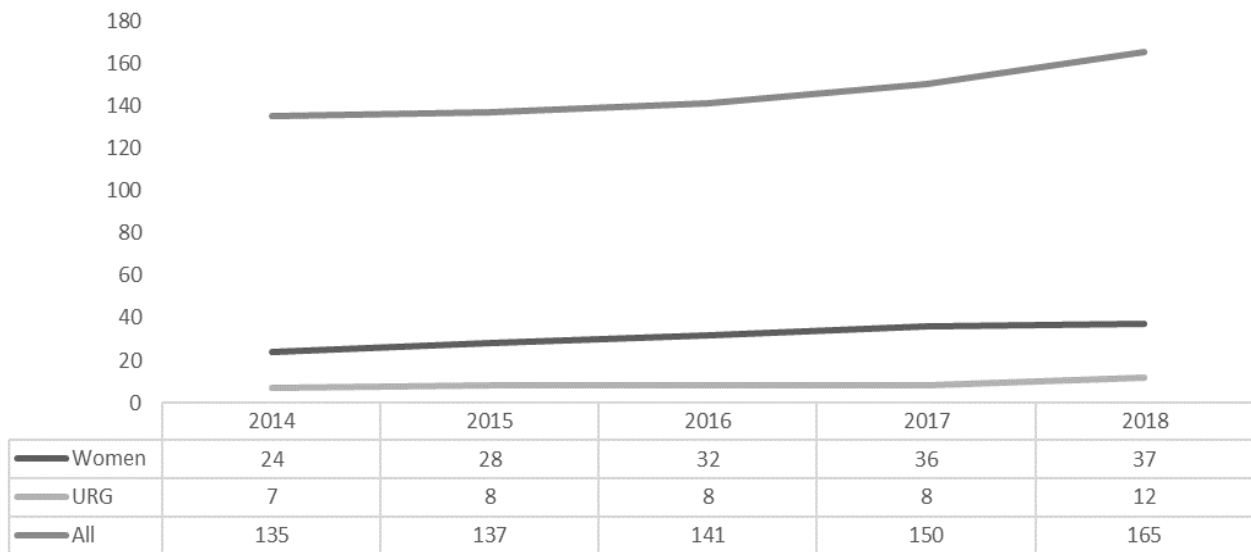
Figure 2. No. of Women, URG and All Faculty, T/TT and CT, COE, prior 5 years (2014-2018)

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

	2014	2015	2016	2017	2018
% Women	18%	20%	23%	24%	22%
% URG	5%	6%	6%	5%	7%
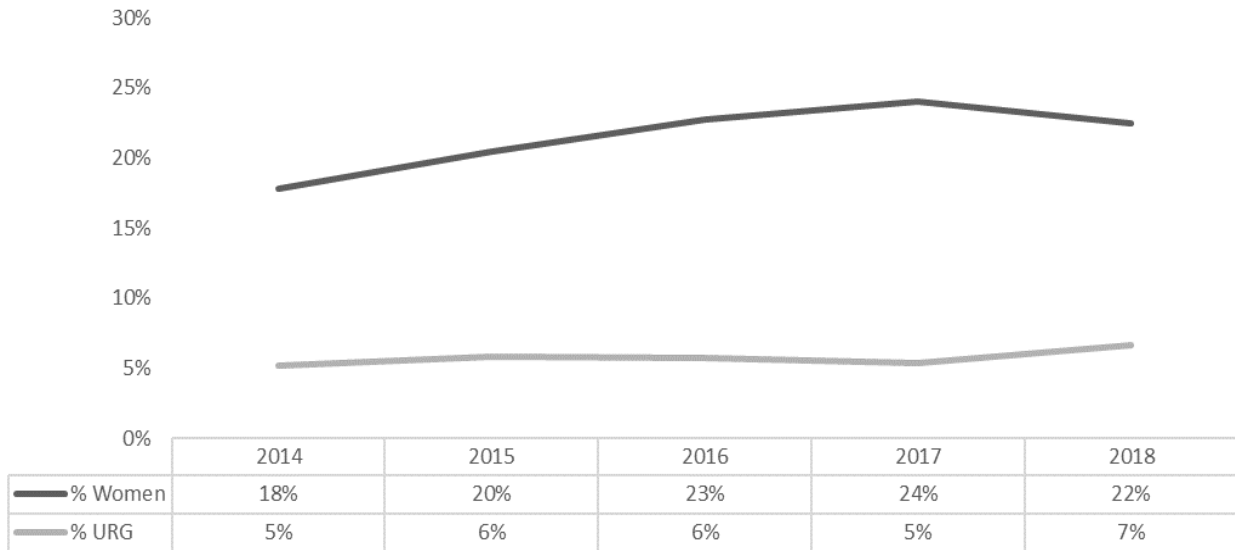
Figure 3. % Women and URG faculty, COE, prior 5 years (2014-2018)

2.2 Gender

Figure 4 summarizes the percentage of women faculty in the College of Engineering as of Fall 2018 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.

	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
Continuing Track	100%	50%	33%	33%	0%	0%	67%	35%
TT / Assistant Professor	29%	33%	0%	40%	67%	25%	0%	27%
TT / Associate Professor	0%	67%	80%	0%	33%	50%	0%	29%
TT / Full Professor	100%	6%	12%	44%	0%	18%	17%	15%
All	40%	20%	26%	30%	15%	21%	15%	22%
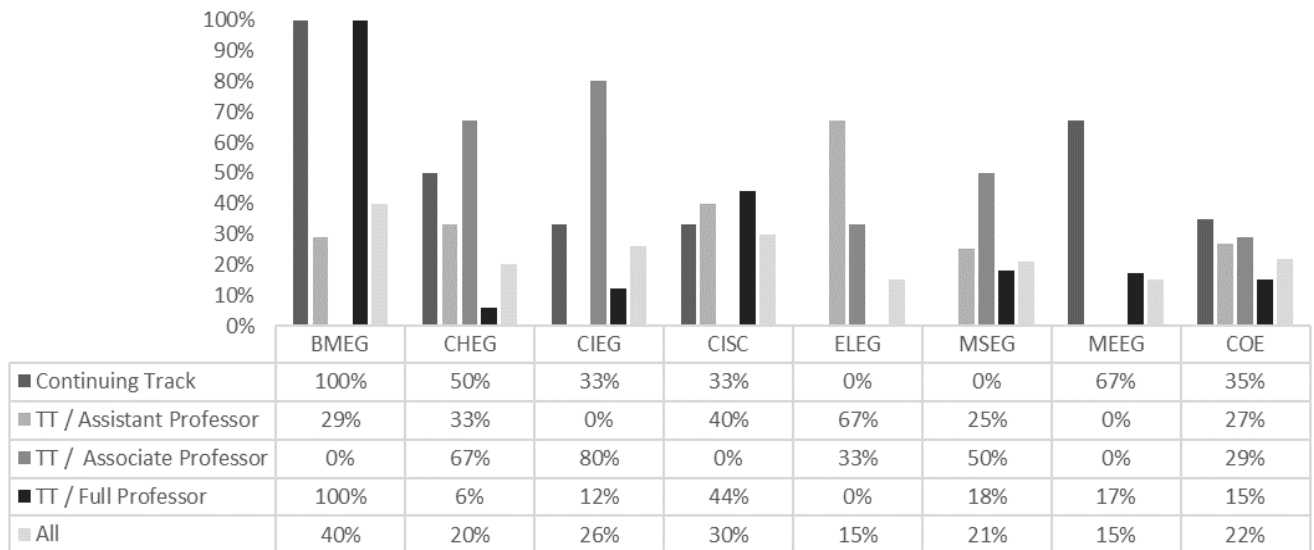
Figure 4. % Women T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2018

	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
Continuing Track	1	1	2	2	0	0	2	8
TT / Assistant Professor	2	1	0	2	2	1	0	8
TT / Associate Professor	0	2	4	0	2	1	0	9
TT / Full Professor	1	1	2	4	0	2	2	12
All	4	5	8	8	4	4	4	37
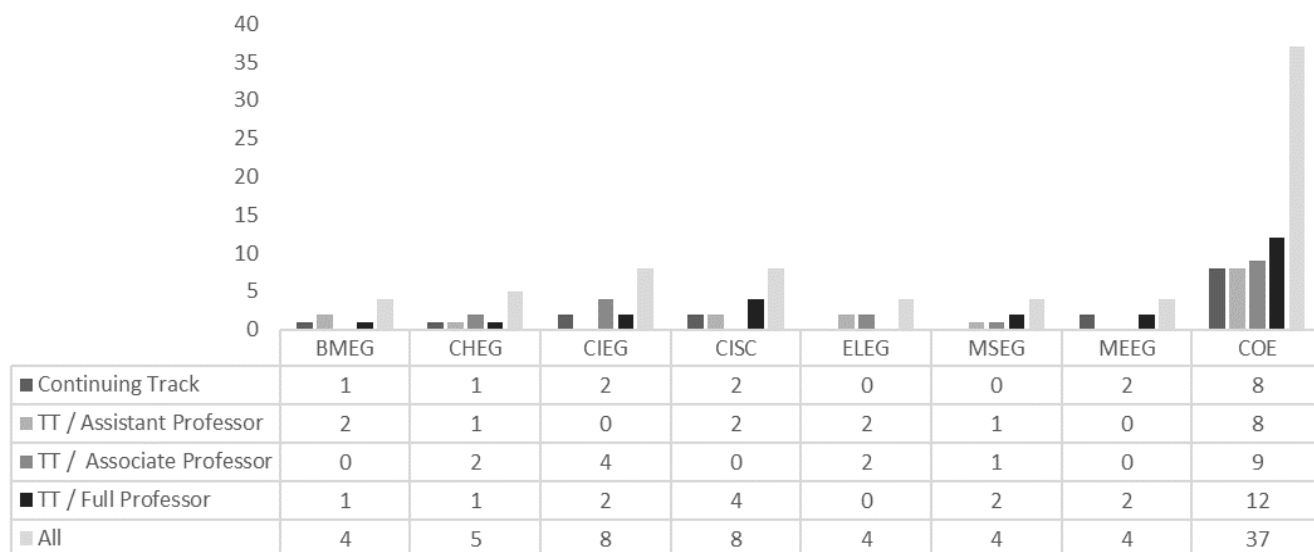
Figure 5. No. of Women T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2018

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.
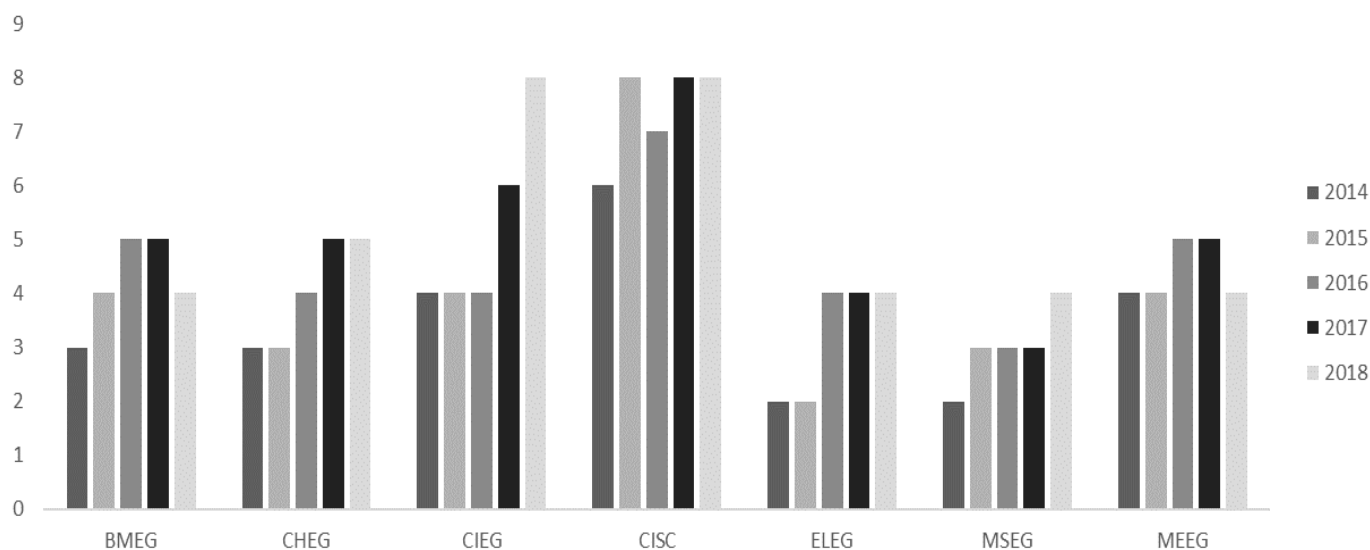
Figure 6. No. of Women TT/T and CT faculty, by COE department, prior 5 years (2014-2018)

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. % Women faculty for the COE, by department, T/TT only, prior 10 years (2008-2017)

	Year									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
College of Engineering	Percentage Female, all ranks									
University of Delaware	14%	14%	15%	18%	17%	16%	17%	19%	20%	20%
Average of all schools	12%	13%	13%	14%	14%	14%	15%	16%	16%	17%
UD Rank / # of Institutions	109/294	123/299	100/301	67/306	65/307	97/309	112/306	68/313	70/313	77/288
Percentile	63rd	59th	67th	78th	79th	69th	63rd	78th	78th	73rd
Average of comparators	12%	12%	12%	13%	14%	14%	15%	16%	16%	17%
UD Rank / # of Institutions	8/25	9/25	4/25	2/25	2/25	7/25	8/25	4/25	3/25	2/25
Percentile	68th	64th	84th	92nd	92nd	72nd	68th	84th	88th	92nd
Biomedical Engineering	Percentage Female, all ranks									
University of Delaware	-	-	-	-	33%	67%	33%	33%	33%	33%
Average of all schools	18%	19%	19%	20%	20%	21%	21%	22%	22%	23%
UD Rank / # of Institutions	-	-	-	-	17/106	3/107	19/109	17/114	20/120	23/117
Percentile	-	-	-	-	84th	97th	83rd	85th	83rd	80th
Average of comparators	17%	17%	18%	19%	21%	21%	20%	20%	19%	19%
UD Rank / # of Institutions	-	-	-	-	3/21	1/21	2/21	2/21	3/22	2/22
Percentile	-	-	-	-	86th	95th	90th	90th	86th	91st
Chemical Engineering	Percentage Female, all ranks									
University of Delaware	16%	14%	16%	18%	15%	9%	13%	14%	14%	18%
Average of all schools	13%	14%	15%	16%	16%	18%	18%	19%	19%	19%
UD Rank / # of Institutions	50/148	67/149	65/154	67/150	79/150	123/150	105/151	101/149	99/149	78/149
Percentile	66th	55th	58th	55th	47th	18th	30th	32nd	34th	47th
Average of comparators	16%	16%	15%	17%	16%	17%	17%	17%	17%	18%
UD Rank / # of Institutions	9/23	12/23	9/23	10/23	12/23	20/22	14/21	14/21	15/21	10/21
Percentile	61st	48th	61st	57th	48th	9th	33rd	33rd	29th	52nd
Civil & Environmental Engineering	Percentage Female, all ranks									
University of Delaware	13%	13%	13%	17%	17%	16%	17%	19%	20%	18%
Average of all schools	13%	14%	15%	16%	16%	16%	17%	18%	19%	20%
UD Rank / # of Institutions	109/227	118/224	122/227	90/232	91/236	111/233	109/232	98/236	100/237	125/225
Percentile	52nd	47th	46th	61st	61st	52nd	53rd	58th	58th	44th
Average of comparators	13%	14%	15%	16%	16%	16%	17%	18%	19%	20%
UD Rank / # of Institutions	15/23	17/23	16/22	12/22	12/22	15/22	17/22	16/23	15/24	20/24
Percentile	35th	26th	27th	45th	45th	32nd	23rd	30th	38th	17th
Computer Science	Percentage Female, all ranks									
University of Delaware	-	23%	22%	27%	26%	26%	27%	35%	32%	33%
Average of all schools	14%	14%	15%	15%	16%	16%	16%	17%	17%	17%
UD Rank / # of Institutions	-	33/176	45/181	35/188	34/191	32/193	33/192	19/198	22/195	12/187
Percentile	-	81st	75th	81st	82nd	83rd	83rd	90th	89th	94th
Average of comparators	13%	13%	13%	14%	14%	14%	15%	17%	16%	17%
UD Rank / # of Institutions	-	2/21	1/21	1/21	1/21	1/20	1/21	1/20	1/20	1/20
Percentile	-	90th	95th	95th	95th	95th	95th	95th	95th	95th
Electrical & Computer Engineering	Percentage Female, all ranks									
University of Delaware	4%	4%	12%	13%	13%	10%	10%	10%	20%	19%
Average of all schools	11%	11%	11%	12%	12%	12%	12%	13%	13%	14%
UD Rank / # of Institutions	206/271	217/276	124/280	103/283	105/284	168/288	170/284	166/288	54/287	73/270
Percentile	24th	21st	56th	64th	63rd	42nd	40th	42nd	81st	73rd
Average of comparators	9%	9%	10%	10%	10%	10%	11%	12%	11%	13%
UD Rank / # of Institutions	24/24	24/24	8/24	5/24	6/24	14/24	14/24	15/24	3/24	3/24
Percentile	0	0	67th	79th	75th	42nd	42nd	38th	88th	88th
Materials Science Engineering	Percentage Female, all ranks									
University of Delaware	20%	15%	15%	15%	15%	15%	15%	21%	15%	14%
Average of all schools	14%	13%	14%	15%	14%	15%	16%	17%	17%	19%
UD Rank / # of Institutions	14/54	19/54	21/55	21/55	22/56	20/57	24/58	19/64	34/64	38/63
Percentile	75th	65th	62nd	62nd	61st	65th	59th	70th	47th	40th
Average of comparators	13%	13%	13%	13%	14%	16%	16%	18%	18%	19%
UD Rank / # of Institutions	3/18	5/18	7/18	6/18	9/18	7/19	9/19	7/20	13/20	14/20
Percentile	83rd	72nd	61st	67th	50th	63rd	53rd	65th	35th	30th
Mechanical Engineering	Percentage Female, all ranks									
University of Delaware	19%	15%	13%	14%	14%	15%	11%	10%	9%	9%
Average of all schools	10%	10%	10%	11%	11%	11%	12%	12%	13%	13%
UD Rank / # of Institutions	33/255	64/258	89/262	66/267	71/265	76/267	149/269	152/272	165/275	167/262
Percentile	87th	75th	66th	75th	73rd	72nd	45th	44rd	40th	36th
Average of comparators	11%	10%	10%	12%	11%	12%	13%	14%	14%	15%
UD Rank / # of Institutions	3/22	5/22	7/22	6/22	5/22	4/22	16/22	18/22	18/23	20/23
Percentile	86th	77th	68th	73rd	77th	82nd	27th	18th	22nd	13th

2.3 Underrepresented Status

Figure 7 summarizes the percentage of faculty from underrepresented groups (URG) in the College of Engineering as of Fall 2018 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.

	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
■ Continuing Track	0%	0%	0%	0%	0%	50%	0%	4%
■ TT / Assistant Professor	0%	0%	33%	0%	0%	25%	20%	10%
■ TT / Associate Professor	0%	0%	20%	14%	0%	50%	0%	10%
■ TT / Full Professor	0%	12%	6%	0%	14%	0%	0%	6%
■ All	0%	8%	10%	4%	8%	16%	4%	7%
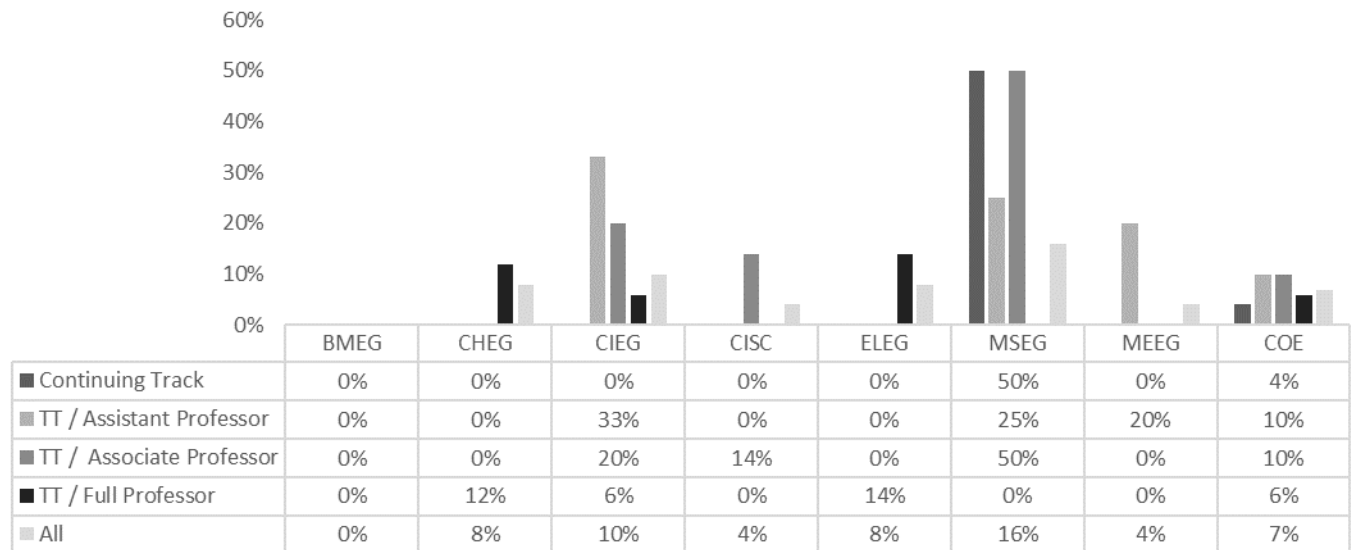
Figure 7. % URG T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2018

	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
■ Continuing Track	0	0	0	0	0	1	0	1
■ TT / Assistant Professor	0	0	1	0	0	1	1	3
■ TT / Associate Professor	0	0	1	1	0	1	0	3
■ TT / Full Professor	0	2	1	0	2	0	0	5
■ All	0	2	3	1	2	3	1	12
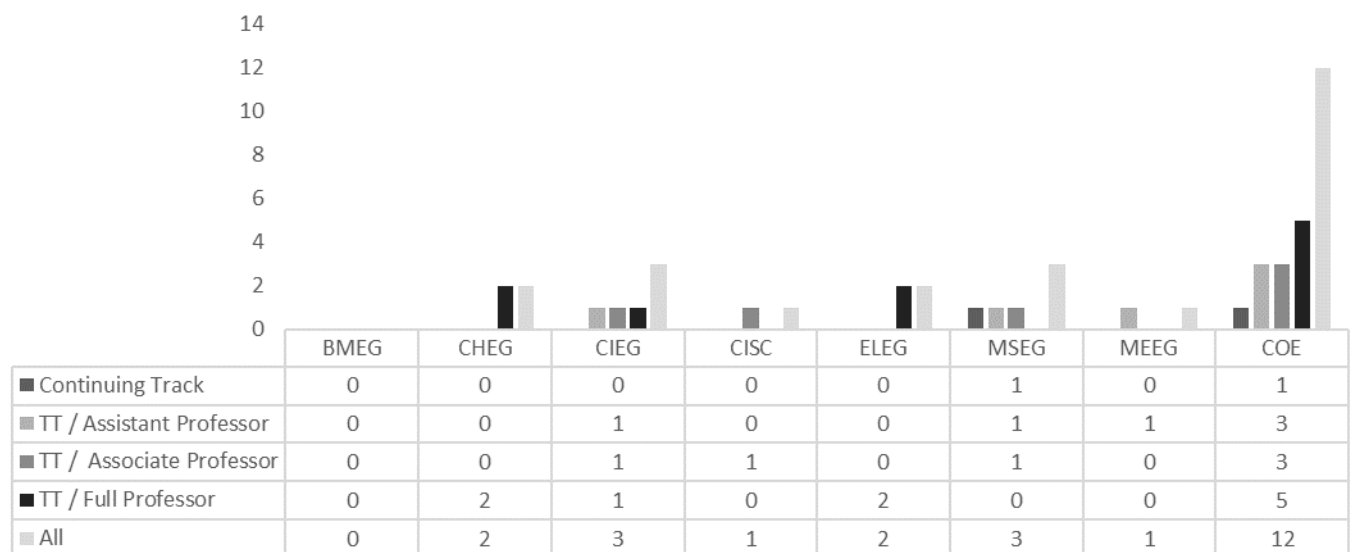
Figure 8. No. of URG T/TT and CT faculty by department and for the COE, by job rank and type, Fall 2018

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 (2014-2018)

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. % URG faculty for the COE, by department, T/TT only, over last 10 years (2008-2017)

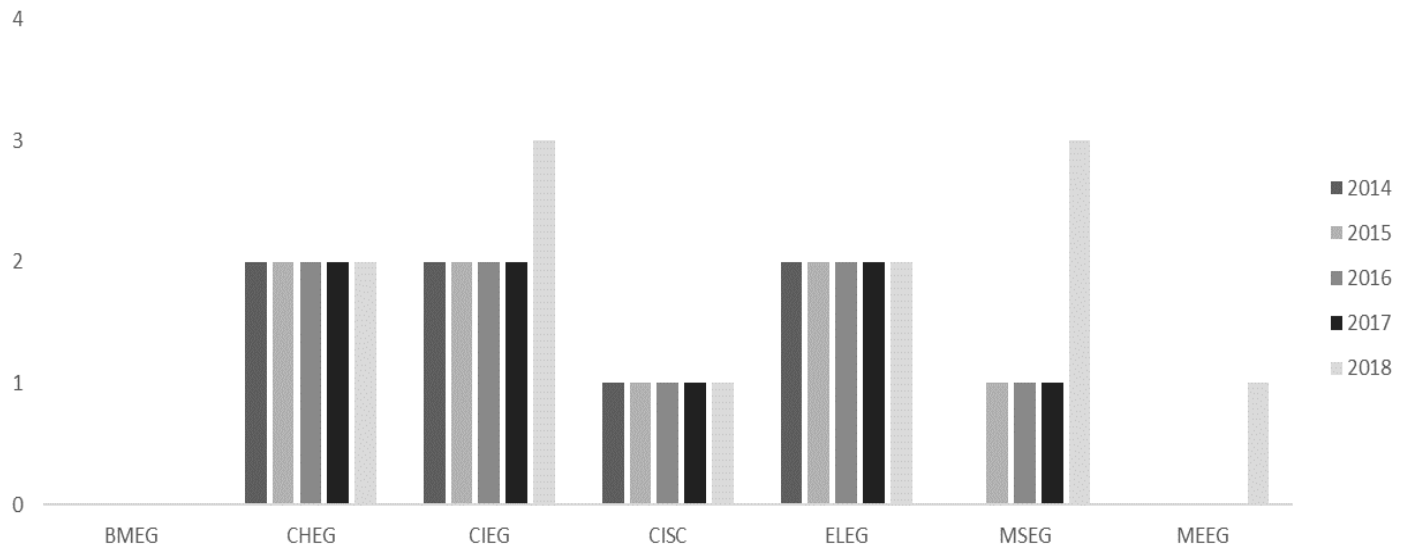|	Year									
	2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
College of Engineering	Percentage URG, all ranks									
University of Delaware	7%	6%	6%	5%	5%	5%	6%	9%	6%	6%
Average of all schools	6%	6%	6%	7%	7%	7%	6%	7%	7%	6%
UD Rank / # of Institutions	61/294	81/294	101/301	131/306	131/307	102/309	131/306	75/313	112/313	112/288
Percentile	79th	73rd	66th	57th	57th	67th	57th	76th	64th	61st
Average of comparators	5%	5%	5%	5%	6%	5%	5%	5%	5%	6%
UD Rank / # of Institutions	2/25	5/25	7/25	11/25	13/25	7/25	12/25	2/25	6/25	10/25
Percentile	92nd	80th	72nd	56th	48th	72nd	52nd	92nd	76th	60th
Biomedical Engineering	Percentage URG, all ranks									
University of Delaware	-	-	-	-	0%	33%	0%	0%	0%	0%
Average of all schools	4%	4%	5%	5%	6%	5%	6%	6%	6%	6%
UD Rank / # of Institutions	-	-	-	-	46/106	1/107	55/109	60/114	60/120	57/117
Percentile	-	-	-	-	57th	99th	50th	47th	50th	51st
Average of comparators	5%	5%	5%	4%	6%	6%	5%	6%	6%	6%
UD Rank / # of Institutions	-	-	-	-	14/20	1/21	14/21	16/21	17/22	16/22
Percentile	-	-	-	-	33rd	95th	33rd	24th	23rd	27th
Chemical Engineering	Percentage URG, all ranks									
University of Delaware	12%	14%	12%	11%	12%	9%	8%	9%	9%	9%
Average of all schools	7%	8%	8%	9%	8%	8%	8%	9%	8%	8%
UD Rank / # of Institutions	37/148	21/149	40/154	46/150	44/150	56/150	55/151	56/149	57/149	56/148
Percentile	75th	86th	74th	69th	71st	63rd	64th	62nd	62nd	62nd
Average of comparators	7%	7%	7%	7%	6%	7%	7%	8%	7%	8%
UD Rank / # of Institutions	4/21	2/23	4/23	4/23	2/23	7/22	7/21	7/21	6/21	8/21
Percentile	81st	91st	83rd	83rd	91st	68th	67th	67th	71st	62nd
Civil & Environmental Engineering	Percentage URG, all ranks									
University of Delaware	4%	4%	4%	4%	4%	8%	9%	10%	10%	9%
Average of all schools	8%	9%	9%	10%	10%	9%	9%	9%	9%	9%
UD Rank / # of Institutions	100/227	104/224	110/227	122/232	122/236	90/233	87/232	83/236	75/237	83/225
Percentile	56th	54th	52nd	47th	48th	61st	63rd	65th	68th	63rd
Average of comparators	7%	8%	8%	8%	8%	8%	7%	6%	6%	7%
UD Rank / # of Institutions	16/23	16/22	16/22	16/22	14/22	8/22	8/22	6/23	5/24	7/24
Percentile	30th	27th	27th	27th	36th	64th	64th	74th	79th	71st
Computer Science	Percentage URG, all ranks									
University of Delaware	-	5%	4%	5%	4%	4%	5%	4%	5%	5%
Average of all schools	3%	4%	3%	4%	5%	4%	4%	4%	4%	4%
UD Rank / # of Institutions	-	46/176	45/181	55/188	59/191	62/193	54/192	63/198	65/195	60/187
Percentile	-	74th	75th	71st	69th	68th	72nd	68th	67th	68th
Average of comparators	2%	2%	3%	3%	4%	3%	3%	4%	4%	4%
UD Rank / # of Institutions	-	5/21	5/21	5/21	6/21	5/20	4/21	9/20	7/20	9/20
Percentile	-	76th	76th	75th	71st	75th	81st	55th	65th	55th
Electrical & Computer Engineering	Percentage URG, all ranks									
University of Delaware	13%	12%	12%	9%	9%	10%	10%	10%	10%	10%
Average of all schools	6%	6%	7%	7%	7%	7%	7%	7%	6%	6%
UD Rank / # of Institutions	36/271	40/276	43/280	74/283	79/284	63/288	51/284	58/288	56/287	54/270
Percentile	87th	86th	85th	74th	72nd	78th	82nd	80th	80th	80th
Average of comparators	5%	5%	5%	5%	6%	4%	5%	4%	5%	5%
UD Rank / # of Institutions	1/24	2/24	2/24	3/24	5/24	1/24	2/24	1/24	1/24	2/24
Percentile	96th	92nd	92nd	88th	79th	96th	92nd	96th	96th	92nd
Materials Science Engineering	Percentage URG, all ranks									
University of Delaware	0%	0%	0%	0%	0%	0%	0%	7%	8%	7%
Average of all schools	5%	5%	6%	6%	5%	6%	6%	7%	6%	6%
UD Rank / # of Institutions	28/56	26/54	31/55	33/55	32/56	35/57	39/58	22/64	21/64	25/63
Percentile	50th	52nd	44th	40th	43rd	39th	33rd	66th	67th	60th
Average of comparators	5%	5%	7%	6%	6%	6%	6%	6%	6%	5%
UD Rank / # of Institutions	12/18	11/18	12/18	14/18	13/18	14/19	15/19	8/20	7/20	8/20
Percentile	33rd	39th	33rd	22nd	28th	26th	21st	60th	65th	60th
Mechanical Engineering	Percentage URG, all ranks									
University of Delaware	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%
Average of all schools	6%	6%	6%	6%	6%	6%	6%	7%	6%	6%
UD Rank / # of Institutions	127/255	132/258	138/262	141/267	141/265	149/267	145/269	33/272	156/275	157/262
Percentile	50th	49th	47th	47th	47th	44th	46th	88th	43rd	40th
Average of comparators	4%	4%	4%	6%	5%	5%	5%	6%	6%	6%
UD Rank / # of Institutions	18/22	17/22	16/22	17/22	18/22	18/22	19/23	1/23	19/23	19/23
Percentile	18th	23rd	27th	23rd	18th	18th	17th	96th	17th	*17th*

3. Staff Data

3.1 Gender

Figure 10 reflects the gender breakdown of COE staff by job type as of Fall 2017 and Fall 2018. Comparative data for New Castle County is as of July 2017. Figure 11 shows the gender breakdown 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.

# by Job Type	2017	2018
Admin Support	94	94
Tech Support	35	39
Research	21	47
All COE Staff	150	180
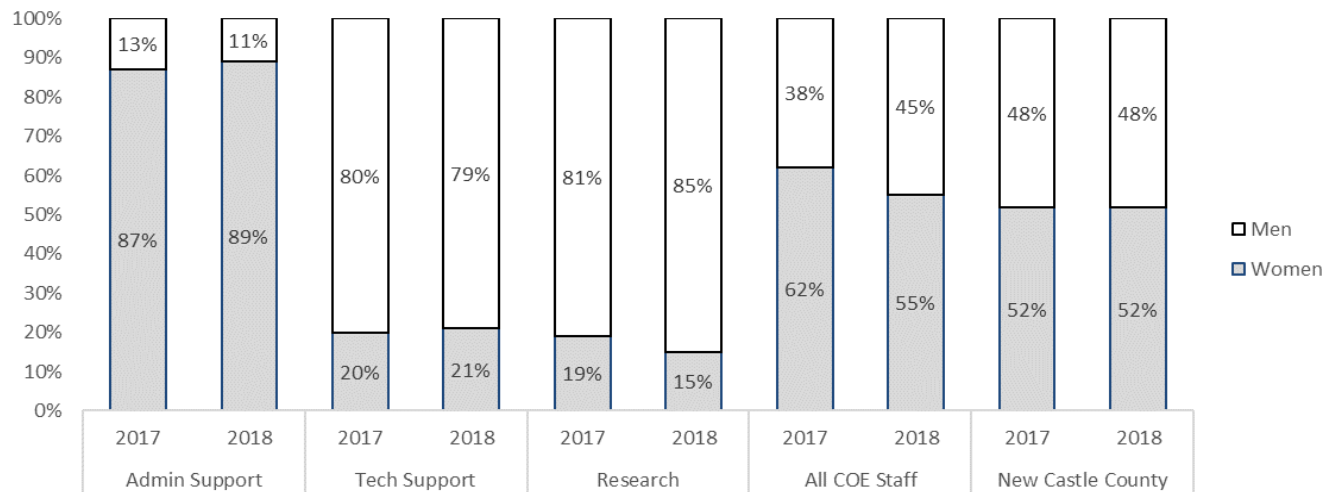
Figure 10. College of Engineering administrative, technical and research support staff data by job type and gender, Fall 2017 and Fall 2018

# by Managerial Role	2017	2018
Managerial	36	38
Non-managerial	93	95
Total	129	133
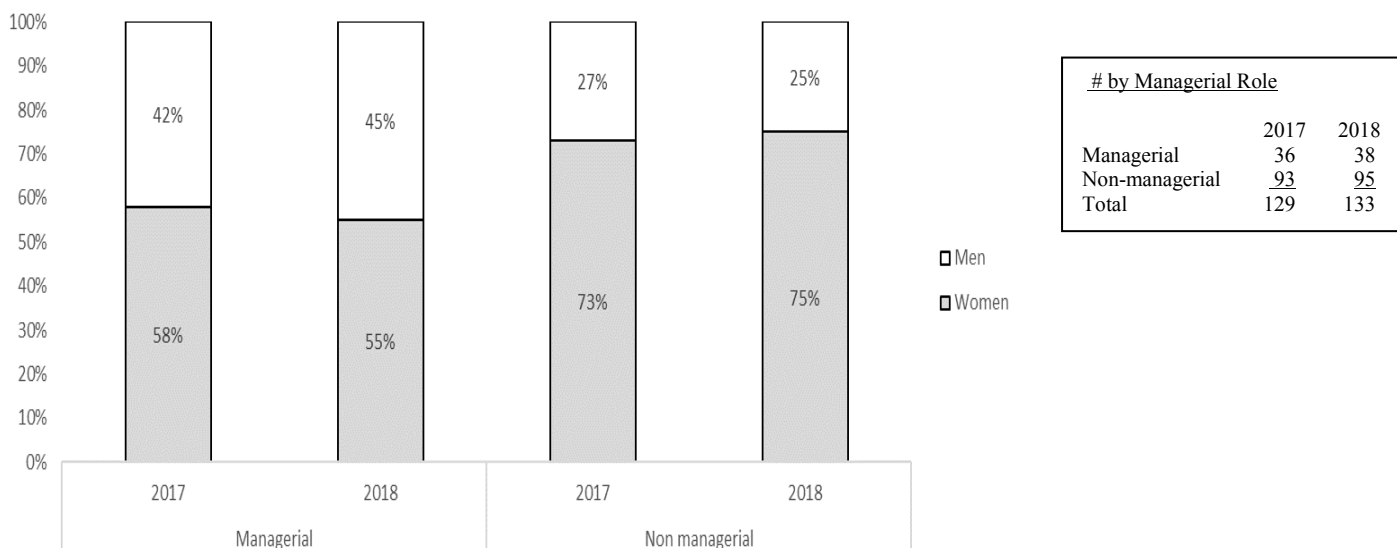
Figure 11. College of Engineering administrative and technical support staff data by managerial role and gender, Fall 2017 and Fall 2018

3.2 Underrepresented Status

Figure 12 reflects the breakdown of COE staff by job type and underrepresented status as of Fall 2017 and Fall 2018. Comparative data for New Castle County is as of July 2017. 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.

# by Job Type		
	2017	2018
Admin Support	94	94
Tech Support	35	39
Research	21	47
All COE Staff	150	180
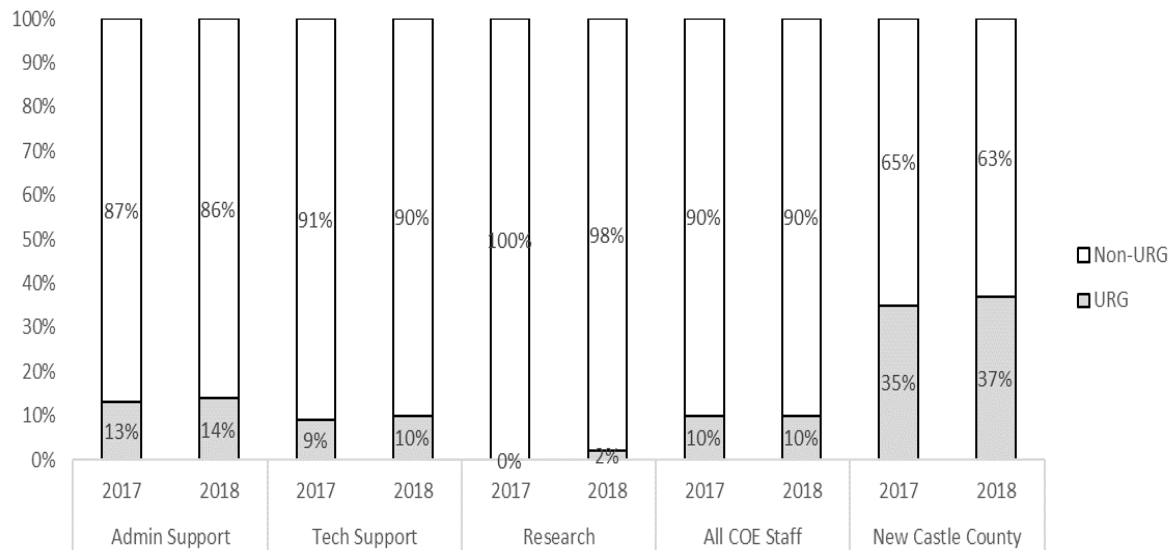
Figure 12. College of Engineering administrative, technical and research support staff data by job type and URG status, Fall 2017 and Fall 2018
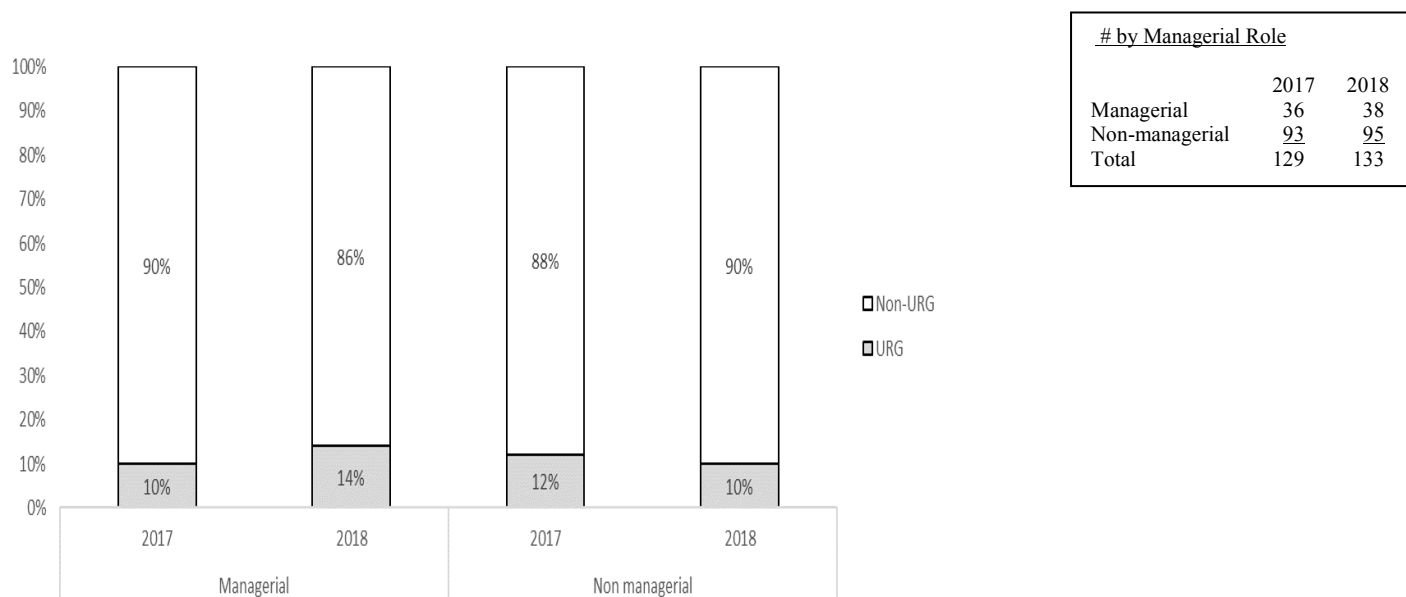
# by Managerial Role		
	2017	2018
Managerial	36	38
Non-managerial	93	95
Total	129	133

Figure 13. College of Engineering administrative and technical support staff data by managerial role and URG status, Fall 2017 and Fall 2018

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. 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, URG and total Graduate students at the College of Engineering over the last 10 years

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Women	189	182	180	201	216	199	221	227	241	249
URG	17	17	30	33	40	38	46	50	63	60
All	689	704	710	778	803	774	825	892	943	917
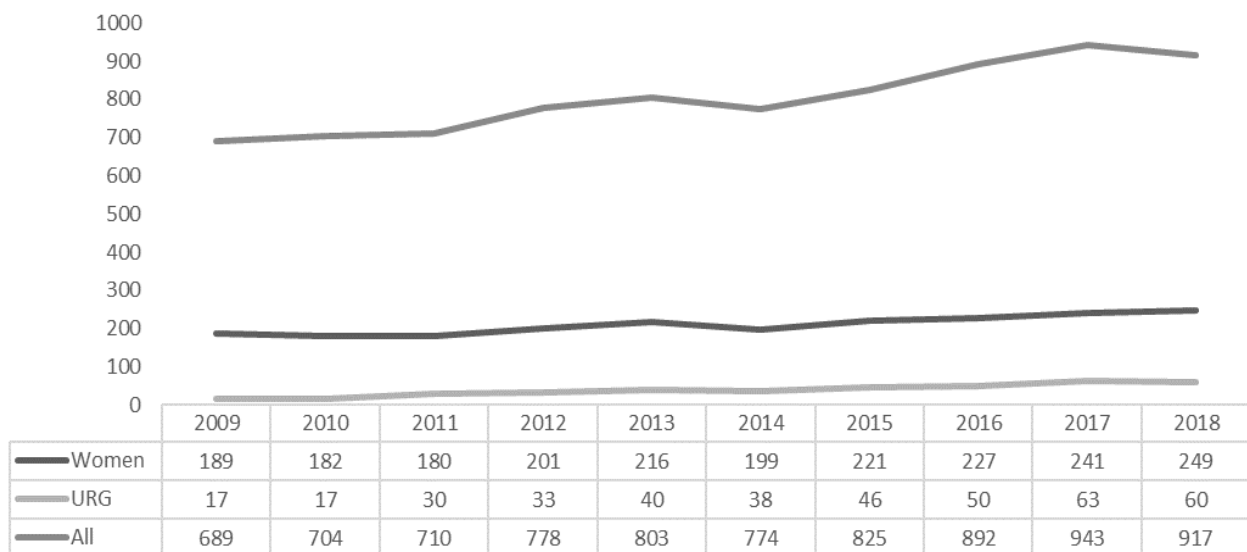
Figure 14. No. of Women, URG and All Graduate Students, COE, prior 10 years (2009-2018)

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
% Women	27%	26%	25%	26%	27%	26%	27%	25%	26%	27%
% URG	5%	6%	9%	10%	11%	11%	13%	12%	14%	14%
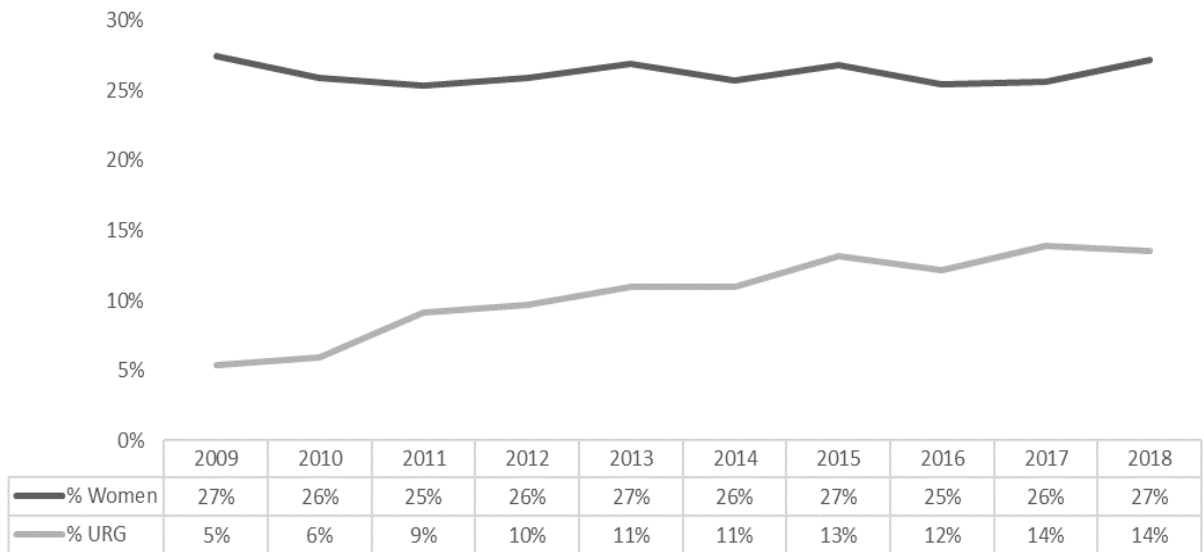
Figure 15. % Women and URG Graduate Students, COE, prior 10 years (2009-2018)

4.2 Gender

Figure 16 summarizes the percentage of women among all Graduate students and all incoming Graduate students as of Fall 2018 at the department level for the College of Engineering, and the % of graduating Women Graduate students for Academic Year 2017-18. Figure 17 shows the same data in absolute numbers.

	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
All	47%	35%	38%	31%	16%	17%	29%	27%
New	57%	32%	43%	14%	11%	25%	27%	26%
Graduated	25%	34%	38%	25%	17%	17%	17%	24%

Figure 16. % of Women Graduate Students, All and New, by COE department, Fall 2018 and % of graduating Women Graduate Students by department, Academic Year 17-18

	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
■ All	21	53	41	48	38	30	18	249
■ New	4	10	10	4	4	6	3	41
■ Graduated	1	14	12	10	14	3	4	58
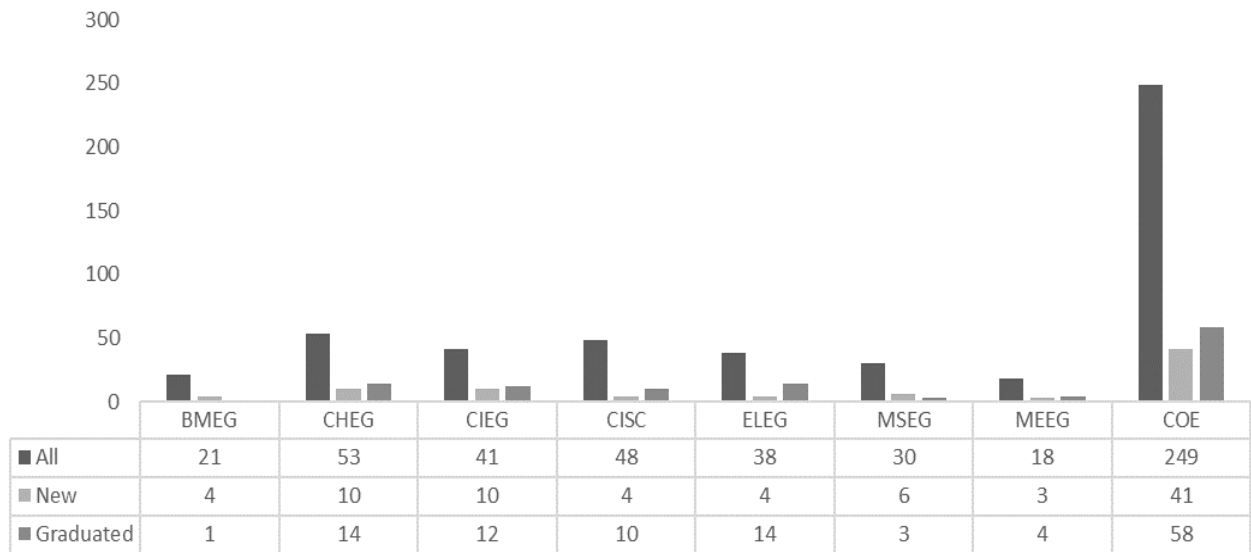
Figure 17. No. of Women Graduate Students, All and New, by COE department, Fall 2018 and
No. of graduating Women Graduate Students by department, Academic Year 17-18

Figure 18 illustrates the change by department in the number of Women Graduate students at the College of Engineering over the last 10 years.
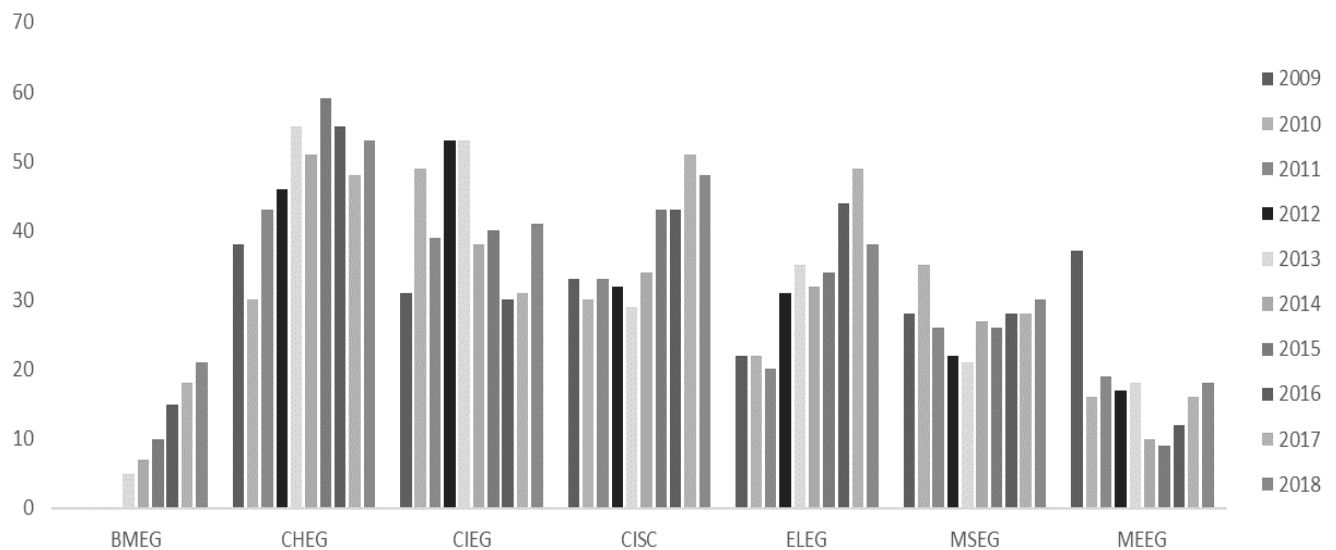
Figure 18. No. of Women Graduate students, by COE department, prior the last 10 years (2009-2018)

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. % Women Graduate Students for the COE, by department, over last 10 years (2008-2017)

	Year									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
College of Engineering	Percentage Female, all Graduate students									
University of Delaware	27%	27%	26%	25%	26%	27%	26%	27%	25%	26%
Average of all schools	22%	22%	22%	22%	23%	23%	24%	24%	24%	26%
UD Rank / # of Institutions	33/244	33/247	46/250	58/252	58/255	56/255	67/250	59/253	92/245	90/235
Percentile	86th	87th	82nd	77th	77th	78th	73rd	77th	62nd	62nd
Average of comparators	20%	21%	21%	21%	21%	22%	22%	22%	23%	26%
UD Rank / # of Institutions	2/25	2/25	2/25	4/25	3/25	4/25	6/25	6/25	9/25	10/25
Percentile	92nd	92nd	92nd	84th	88th	84th	76th	76th	64th	60th
Biomedical Engineering	Percentage Female, all Graduate students									
University of Delaware	-	-	-	-	0%	33%	39%	37%	39%	41%
Average of all schools	37%	37%	37%	38%	39%	40%	40%	40%	41%	42%
UD Rank / # of Institutions	-	-	-	-	123/125	105/129	78/126	89/130	82/134	78/137
Percentile	-	-	-	-	2nd	19th	38th	32nd	39th	43rd
Average of comparators	35%	36%	35%	37%	36%	39%	39%	39%	41%	41%
UD Rank / # of Institutions	-	-	-	-	20/20	19/21	13/21	16/21	14/22	14/22
Percentile	-	-	-	-	0	10th	38th	24th	36th	36th
Chemical Engineering	Percentage Female, all Graduate students									
University of Delaware	34%	31%	25%	30%	31%	37%	34%	37%	39%	33%
Average of all schools	31%	32%	32%	33%	32%	32%	32%	32%	32%	32%
UD Rank / # of Institutions	48/142	78/141	104/142	83/142	77/144	33/143	53/142	38/142	24/138	62/138
Percentile	66th	45th	27th	42nd	47th	77th	63rd	73rd	83rd	55th
Average of comparators	31%	32%	31%	31%	31%	31%	31%	31%	32%	31%
UD Rank / # of Institutions	8/22	13/22	20/22	13/22	10/22	4/22	9/22	6/22	2/23	9/23
Percentile	64th	41st	9th	41st	55th	82nd	59th	73rd	91st	61st
Civil & Environmental Engineering	Percentage Female, all Graduate students									
University of Delaware	26%	28%	31%	34%	35%	33%	32%	33%	27%	30%
Average of all schools	27%	28%	29%	29%	29%	29%	30%	30%	30%	31%
UD Rank / # of Institutions	92/196	92/200	68/201	45/200	43/201	55/199	56/198	50/195	112/193	91/190
Percentile	53rd	54th	66th	78th	79th	72nd	72nd	74th	42nd	52nd
Average of comparators	25%	26%	27%	28%	28%	29%	29%	30%	31%	32%
UD Rank / # of Institutions	7/23	9/23	9/23	5/23	5/23	6/23	8/23	9/23	18/24	14/24
Percentile	70th	61st	61st	78th	78th	74th	65th	61st	25th	42nd
Computer Science	Percentage Female, all Graduate students									
University of Delaware	24%	28%	25%	25%	24%	21%	23%	28%	29%	31%
Average of all schools	21%	21%	20%	20%	21%	22%	23%	24%	25%	28%
UD Rank / # of Institutions	57/166	27/173	38/175	47/185	59/184	102/183	83/177	52/185	47/176	32/174
Percentile	66th	84th	78th	75th	68th	44th	53rd	72nd	73rd	82nd
Average of comparators	19%	18%	18%	18%	19%	20%	19%	19%	19%	30%
UD Rank / # of Institutions	3/22	1/22	1/21	1/22	5/22	9/21	7/22	2/21	2/21	2/21
Percentile	86th	95th	95th	95th	77th	57th	68th	90th	90th	90th
Electrical & Computer Engineering	Percentage Female, all Graduate students									
University of Delaware	15%	16%	16%	14%	19%	21%	18%	16%	16%	16%
Average of all schools	18%	18%	18%	18%	19%	20%	21%	21%	21%	21%
UD Rank / # of Institutions	168/228	150/229	141/233	159/232	83/234	82/234	129/229	173/231	166/223	153/216
Percentile	26th	34th	39th	31st	65th	65th	44th	25th	26th	29th
Average of comparators	16%	16%	16%	16%	17%	18%	19%	19%	20%	20%
UD Rank / # of Institutions	16/24	13/24	11/24	16/24	8/24	7/24	15/24	21/24	21/24	21/24
Percentile	33rd	46th	54th	33rd	67th	71st	38th	13th	13th	13th
Materials Science Engineering	Percentage Female, all Graduate students									
University of Delaware	35%	41%	43%	33%	28%	27%	34%	37%	33%	32%
Average of all schools	27%	27%	27%	27%	27%	28%	28%	28%	29%	29%
UD Rank / # of Institutions	17/86	8/88	6/87	21/90	37/94	50/97	18/98	8/96	18/98	33/97
Percentile	80th	91st	93rd	77th	61st	48th	82nd	92nd	82nd	66th
Average of comparators	27%	27%	27%	27%	27%	27%	26%	27%	29%	29%
UD Rank / # of Institutions	4/20	2/20	1/19	5/20	8/20	11/22	4/22	2/23	4/23	7/23
Percentile	80th	90th	95th	75th	60th	50th	82nd	91st	83rd	70th
Mechanical Engineering	Percentage Female, all Graduate students									
University of Delaware	33%	29%	17%	18%	18%	19%	11%	12%	14%	15%
Average of all schools	14%	14%	14%	14%	14%	15%	15%	15%	15%	15%
UD Rank / # of Institutions	3/212	7/218	56/220	42/222	51/223	45/224	140/219	143/220	98/211	83/209
Percentile	99th	97th	75th	81st	77th	80th	36th	35th	54th	60th
Average of comparators	14%	14%	13%	14%	15%	14%	14%	15%	15%	16%
UD Rank / # of Institutions	1/24	1/24	3/24	3/24	5/24	3/24	23/24	20/24	13/24	11/24
Percentile	96th	96th	88th	88th	79th	88th	4th	17th	46th	54th

4.3 Underrepresented Status

Figure 19 summarizes the percentage of URG students among all Graduate students and all incoming Graduate students as of Fall 2018 at the department level for the College of Engineering, and the % of graduating URG Graduate students for Academic Year 2017-18. Figure 20 shows the same data in absolute numbers.
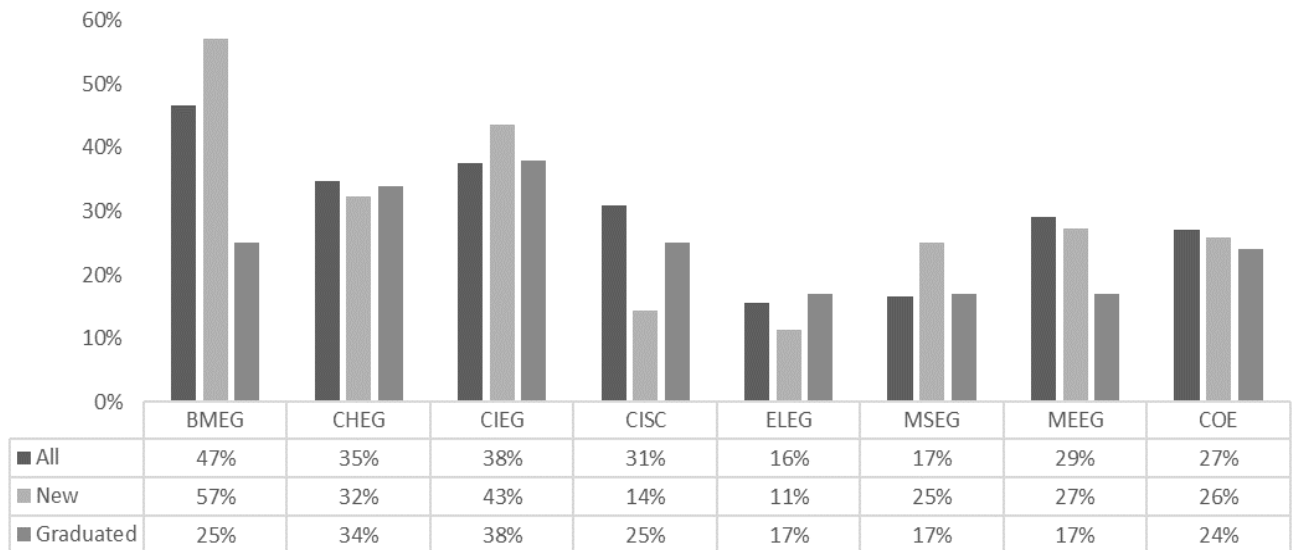
	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
■ All	15%	7%	11%	24%	19%	12%	5%	14%
■ New	29%	8%	9%	22%	36%	13%	14%	17%
■ Graduated	25%	13%	0%	0%	7%	0%	15%	8%
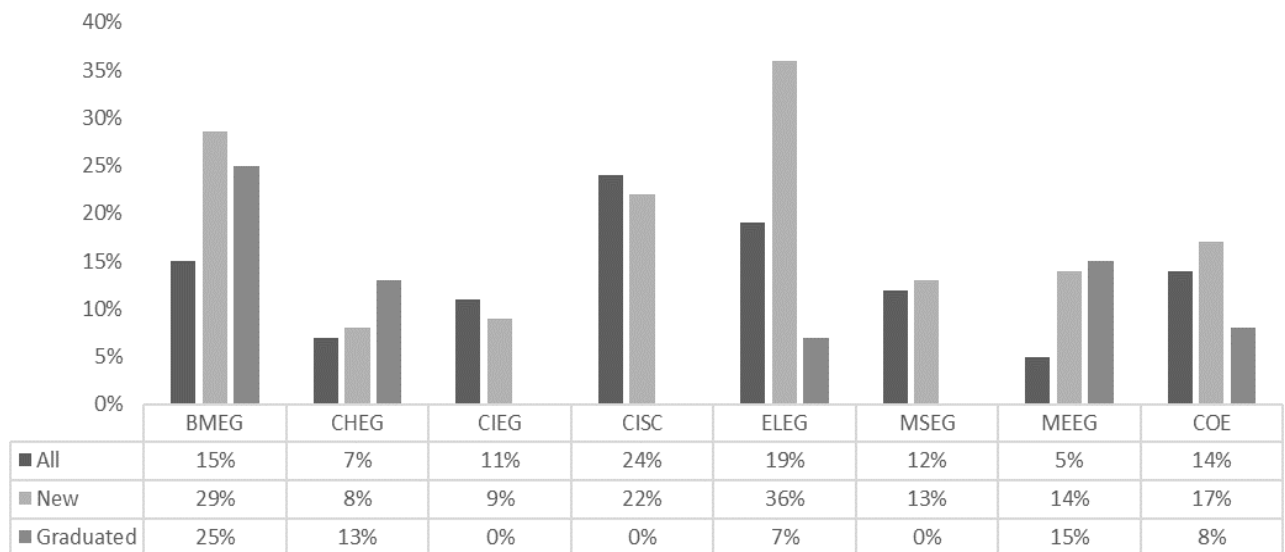
Figure 19. % of URG Graduate Students, All and New, by COE department, Fall 2018 and % of graduating URG Graduate Students by department, Academic Year 17-18

	BMEG	CHEG	CIEG	CISC	ELEG	MSEG	MEEG	COE
■ All	6	7	5	10	24	6	2	60
■ New	2	2	1	2	5	1	1	14
■ Graduated	1	4	0	0	2	2	0	9
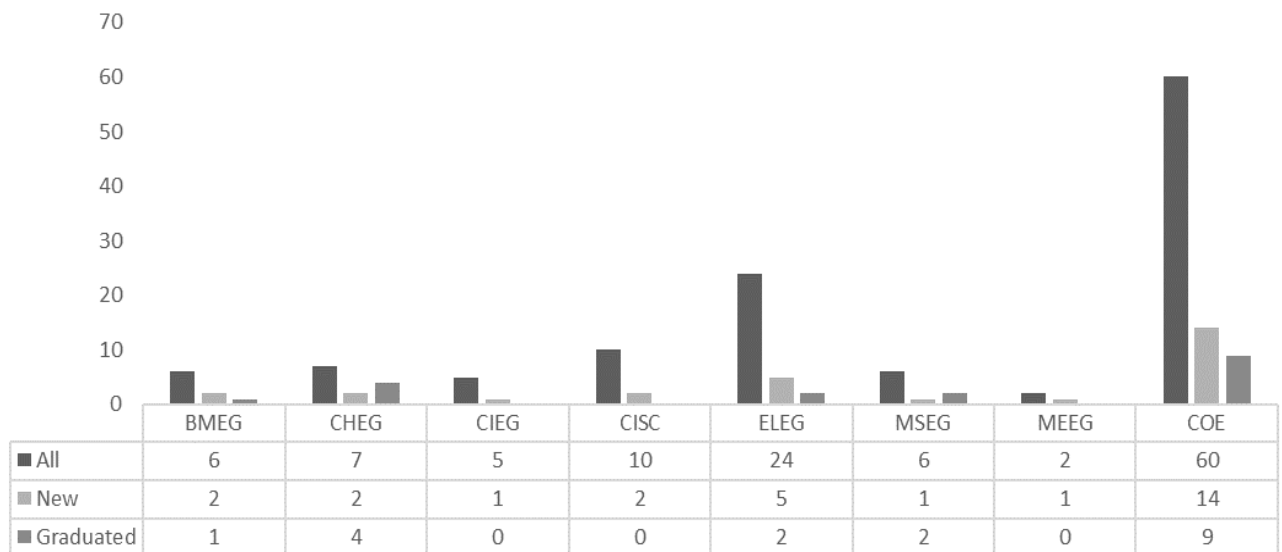
Figure 20. No. of URG Graduate Students, All and New, by COE department, Fall 2018 and % of graduating URG Graduate Students by department, Academic Year 17-18

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 (2009-2018)

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. % URG Graduate Students for the COE, by department, over last 10 years (2008-2017)

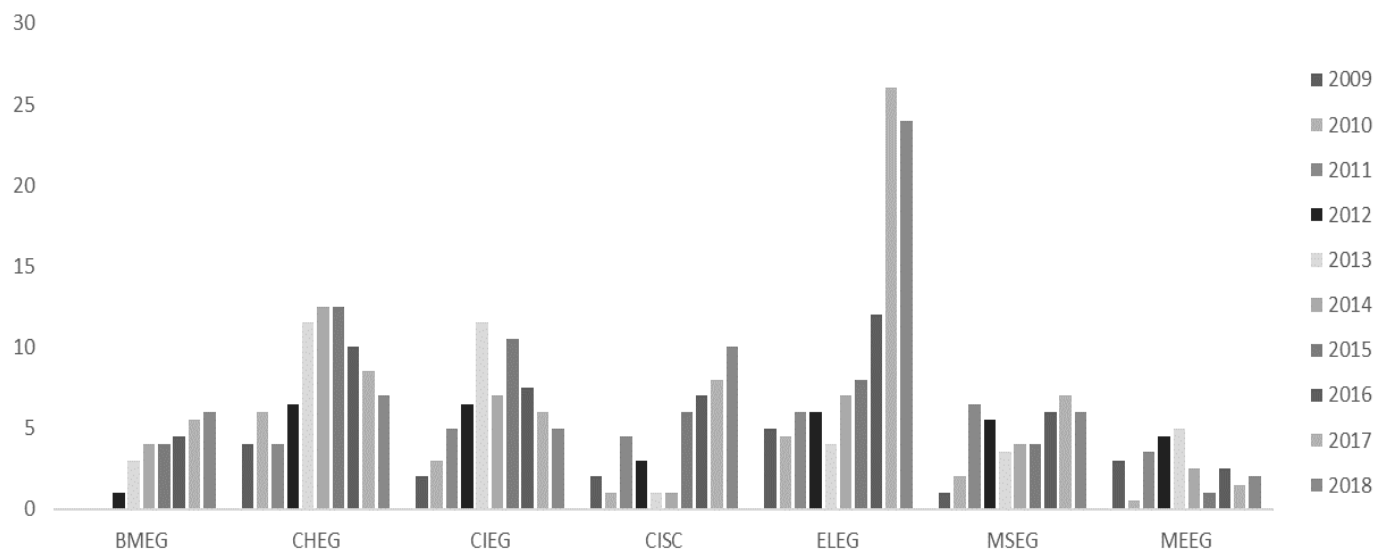|	Year									
	2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
College of Engineering	Percentage URG, all Domestic Graduate students									
University of Delaware	4%	5%	6%	9%	10%	11%	11%	13%	12%	14%
Average of all schools	11%	11%	12%	11%	14%	14%	15%	15%	15%	16%
UD Rank / # of Institutions	198/243	187/246	192/249	134/251	143/254	123/251	130/248	108/250	130/245	98/234
Percentile	19th	24th	23rd	47th	44th	51st	48th	57th	47th	58th
Average of comparators	8%	9%	9%	9%	10%	11%	12%	12%	13%	12%
UD Rank / # of Institutions	23/25	23/25	22/25	12/25	11/25	10/25	14/25	7/25	12/25	8/25
Percentile	8th	8th	12th	52nd	56th	60th	44th	72nd	52nd	68th
Biomedical Engineering	Percentage URG, all Domestic Graduate students									
University of Delaware	-	-	-	-	25%	25%	27%	18%	14%	14%
Average of all schools	9%	10%	10%	10%	11%	12%	13%	13%	14%	14%
UD Rank / # of Institutions	-	-	-	-	12/124	22/128	13/125	34/129	74/134	71/137
Percentile	-	-	-	-	90th	83rd	90th	74th	45th	48th
Average of comparators	8%	8%	9%	9%	10%	11%	12%	13%	14%	15%
UD Rank / # of Institutions	-	-	-	-	1/21	1/21	1/21	4/21	14/21	14/21
Percentile	-	-	-	-	95th	95th	95th	81st	36th	36th
Chemical Engineering	Percentage URG, all Domestic Graduate students									
University of Delaware	5%	5%	7%	4%	6%	10%	11%	10%	9%	9%
Average of all schools	11%	11%	11%	12%	11%	13%	13%	13%	14%	14%
UD Rank / # of Institutions	91/139	98/140	91/141	110/110	93/144	66/143	73/140	80/138	88/136	96/138
Percentile	35th	30th	35th	21st	35th	54th	48th	42nd	35th	30th
Average of comparators	8%	10%	10%	8%	9%	11%	11%	12%	11%	12%
UD Rank / # of Institutions	13/22	18/22	16/22	18/22	13/22	9/22	10/22	11/22	12/23	14/23
Percentile	41st	18th	27th	18th	41st	59th	55th	50th	48th	39th
Civil & Environmental Engineering	Percentage URG, all Domestic Graduate students									
University of Delaware	2%	4%	6%	9%	9%	17%	15%	21%	18%	15%
Average of all schools	13%	13%	15%	16%	17%	17%	17%	17%	17%	19%
UD Rank / # of Institutions	152/194	150/199	143/201	112/199	117/200	65/199	75/197	53/194	62/192	84/189
Percentile	22nd	25th	29th	44th	42nd	67th	62nd	73rd	68th	56th
Average of comparators	9%	9%	9%	9%	11%	13%	13%	14%	14%	14%
UD Rank / # of Institutions	20/23	20/23	17/23	12/23	11/23	4/23	8/23	4/23	5/24	10/24
Percentile	13th	13th	26th	48th	52nd	83rd	65th	83rd	79th	58th
Computer Science	Percentage URG, all Domestic Graduate students									
University of Delaware	8%	7%	3%	11%	8%	3%	4%	18%	18%	20%
Average of all schools	9%	10%	12%	12%	12%	14%	15%	14%	15%	14%
UD Rank / # of Institutions	67/166	91/173	143/175	68/185	95/184	143/182	144/175	38/184	46/175	49/174
Percentile	60th	47th	18th	63rd	48th	21st	18th	79th	74th	72nd
Average of comparators	7%	8%	9%	8%	8%	9%	12%	13%	13%	10%
UD Rank / # of Institutions	7/23	11/22	20/21	6/22	8/22	18/21	18/22	3/21	4/21	3/21
Percentile	68th	50th	5th	73rd	64th	14th	18th	86th	81st	86th
Electrical & Computer Engineering	Percentage URG, all Domestic Graduate students									
University of Delaware	5%	10%	8%	10%	10%	6%	10%	12%	10%	17%
Average of all schools	12%	12%	14%	14%	15%	15%	16%	16%	16%	16%
UD Rank / # of Institutions	168/227	107/227	145/231	138/231	141/232	182/232	146/227	129/229	131/219	75/215
Percentile	26th	53rd	37th	40th	39th	22nd	36th	44th	40th	65th
Average of comparators	11%	11%	11%	11%	12%	13%	10%	13%	13%	15%
UD Rank / # of Institutions	23/24	10/24	17/24	13/24	12/24	21/24	17/24	11/24	14/24	10/24
Percentile	4th	58th	29th	46th	50th	13th	29th	54th	42nd	58th
Materials Science Engineering	Percentage URG, all Domestic Graduate students									
University of Delaware	0%	3%	7%	21%	17%	12%	13%	14%	14%	15%
Average of all schools	9%	10%	10%	10%	12%	11%	12%	12%	13%	14%
UD Rank / # of Institutions	61/85	53/86	46/87	14/90	18/94	36/96	35/98	38/95	40/96	40/96
Percentile	28th	38th	47th	84th	81st	63rd	64th	60th	58th	58th
Average of comparators	7%	7%	7%	8%	10%	9%	10%	11%	12%	12%
UD Rank / # of Institutions	20/20	15/20	8/19	1/20	2/20	6/22	4/22	7/23	8/23	8/23
Percentile	0	25th	58th	95th	90th	73rd	82nd	70th	65th	65th
Mechanical Engineering	Percentage URG, all Domestic Graduate students									
University of Delaware	3%	4%	1%	11%	13%	12%	7%	3%	8%	4%
Average of all schools	11%	10%	11%	12%	13%	13%	13%	14%	15%	15%
UD Rank / # of Institutions	153/212	155/217	190/219	94/221	87/221	98/222	151/217	184/219	140/210	183/209
Percentile	28th	29th	13th	57th	61st	56th	30th	16th	33rd	12th
Average of comparators	7%	8%	9%	9%	9%	9%	10%	11%	11%	11%
UD Rank / # of Institutions	20/24	20/24	24/24	7/24	6/24	6/24	16/24	23/24	17/24	23/24
Percentile	17th	17th	0	71st	75th	75th	33rd	4th	29th	4th

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 student was computed for each engineering program, not department: biomedical engineering, chemical engineering, civil engineering, computer science, computer engineering, electrical engineering, environmental engineering, mechanical engineering (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.

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Women	262	285	304	329	443	491	500	542	550	581	605
URG	122	146	160	146	217	251	270	271	257	278	294
All	1,406	1,604	1,692	1,794	2,117	2,248	2,258	2,302	2,250	2,287	2,257
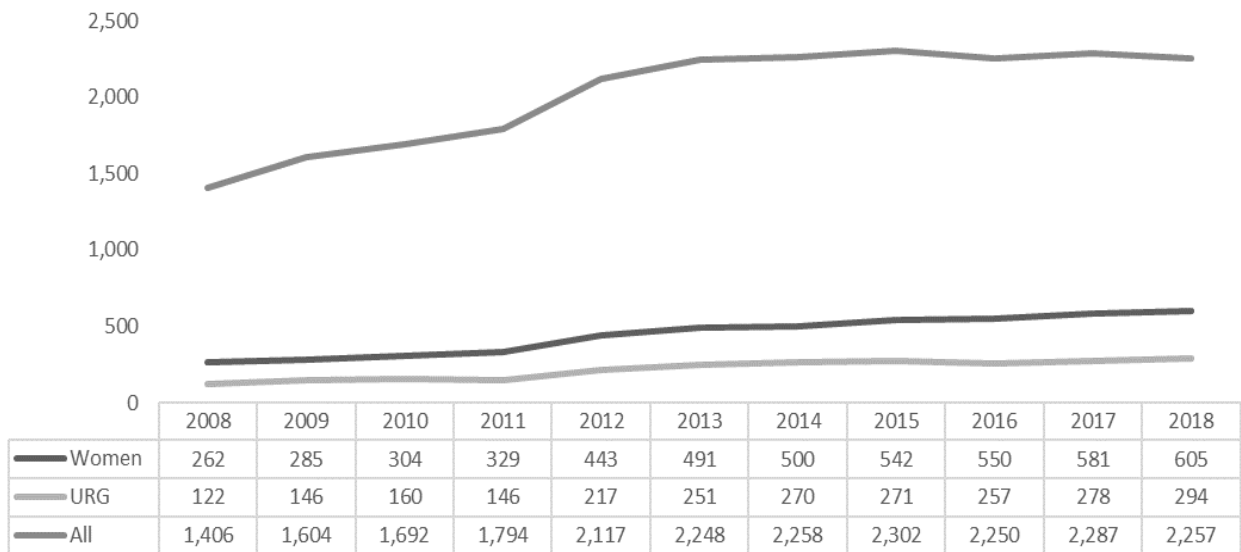
Figure 22. No. of Women, URG and All Undergraduate Students, COE, prior 10 years (2009-2018)

Figure 23 presents the number of women, URG and total Undergraduate students at the College of Engineering over the last 10 years.

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
% Women	19%	18%	18%	18%	21%	22%	22%	24%	24%	25%	27%
% URG	9%	9%	9%	8%	10%	11%	12%	12%	11%	12%	13%
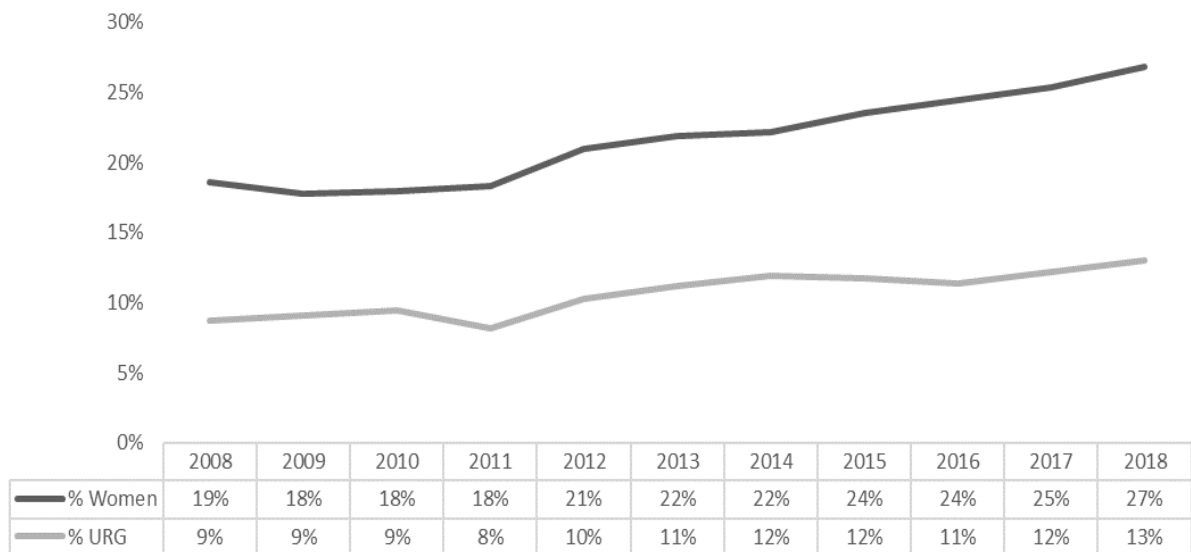
Figure 23. %. of Women, and URG Undergraduate Students, COE, prior 10 years (2009-2018)

5.2 Gender

Figure 24 summarizes the percentage of women among all Undergraduate students and all incoming Undergraduate students as of Fall 2018 at the program level for the College of Engineering, and the % of graduating Women Undergraduate students for Academic Year 2017-18. Figure 25 shows the same data in absolute numbers.

	Biomedical	Chemical	Civil	Computer Eng	Comp Sci	Electrical	Environmental	Mechanical	COE
All	57%	25%	32%	10%	22%	12%	50%	20%	27%
New	59%	30%	29%	21%	23%	13%	44%	14%	30%
Graduated	42%	34%	32%	4%	17%	7%	48%	19%	24%

Figure 24. % of Women Undergraduate Students, All and New, by COE department, Fall 2018 and % of graduating Women Undergraduate Students by department, Academic Year 17-18

	Biomedical	Chemical	Civil	Computer Eng	Comp Sci	Electrical	Environmental	Mechanical	COE
■ All	136	100	84	18	78	20	60	109	605
■ New	60	36	14	5	22	5	11	15	168
■ Graduated	22	31	22	1	16	4	10	26	132
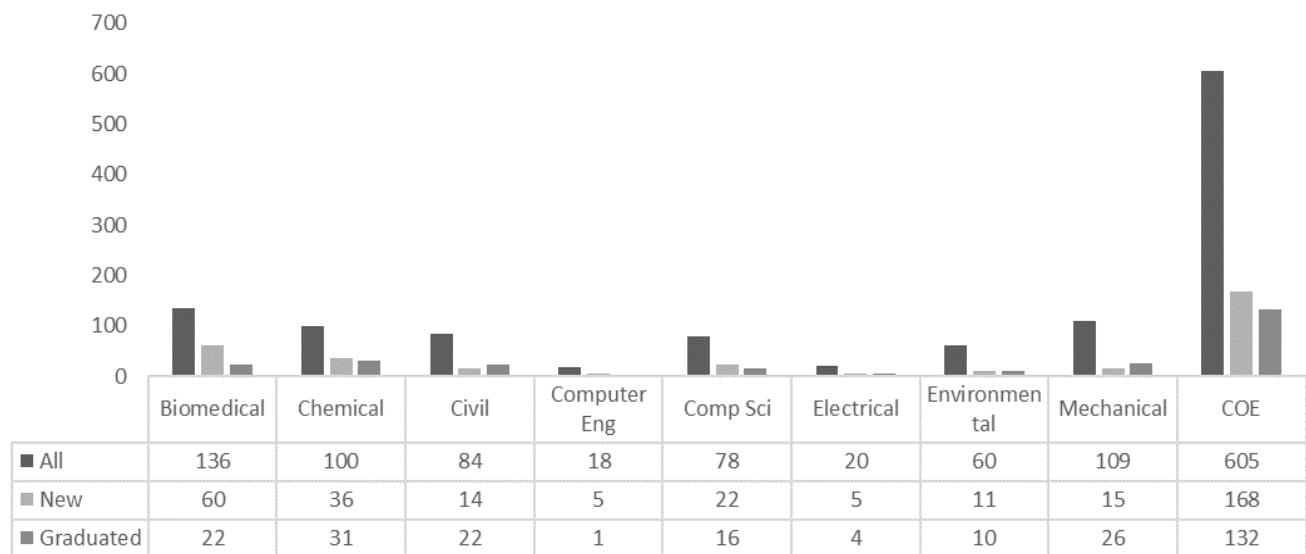
Figure 25. No. of Women Undergraduate Students, All and New, by COE department, Fall 2018 and % of graduating Women Undergraduate Students by department, Academic Year 17-18

Figure 26 illustrates the change by department in the number of Women Undergraduate students at the College of Engineering over the last 10 years.
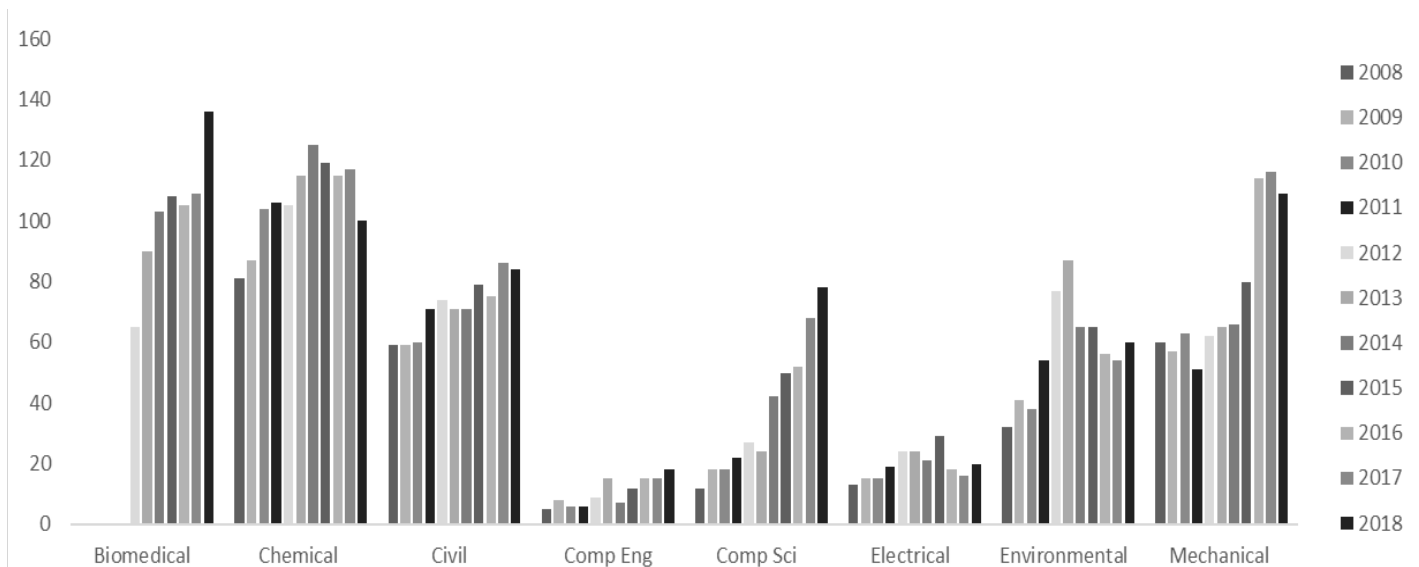
Figure 26. No. of Women Undergraduate students, by COE department, prior 10 years (2009-2018)

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. % Women Undergraduate Students for the COE, by program, over last 10 years (2008-2017)

	Year									
	2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
College of Engineering	Percentage Female, all UGRAD Students									
University of Delaware	19%	18%	18%	18%	21%	22%	22%	24%	24%	25%
Average of all schools	17%	17%	17%	17%	18%	18%	19%	20%	21%	21%
UD Rank / # of Institutions	91/306	109/307	110/310	110/313	80/315	83/318	79/316	81/318	79/309	67/287
Percentile	70th	64th	65th	65th	75th	74th	75th	75th	74th	77th
Average of comparators	17%	17%	18%	18%	19%	20%	20%	21%	22%	23%
UD Rank / # of Institutions	7/24	8/24	9/24	12/27	7/24	9/24	8/24	7/24	7/24	7/24
Percentile	71st	67th	63rd	50th	71st	63rd	67th	71st	71st	71st
Biomedical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	-	-	-	-	43%	44%	49%	49%	53%	53%
Average of all schools	38%	38%	39%	40%	40%	41%	43%	44%	47%	48%
UD Rank / # of Institutions	-	-	-	-	33/118	41/115	23/120	31/125	26/130	33/132
Percentile	-	-	-	-	72nd	64th	81st	75th	80th	75th
Average of comparators	38%	38%	39%	39%	40%	42%	43%	45%	47%	49%
UD Rank / # of Institutions	-	-	-	-	9/19	9/19	3/20	4/20	2/20	3/20
Percentile	-	-	-	-	53rd	53rd	85th	80th	90th	85th
Chemical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	30%	28%	29%	27%	25%	26%	27%	28%	28%	27%
Average of all schools	33%	33%	32%	32%	32%	33%	33%	34%	35%	36%
UD Rank / # of Institutions	105/157	108/160	104/161	119/161	137/161	139/161	133/161	130/157	132/157	141/157
Percentile	33rd	33rd	35th	26th	15th	14th	17th	17th	16th	10th
Average of comparators	31%	30%	29%	30%	30%	31%	31%	32%	33%	35%
UD Rank / # of Institutions	12/23	17/23	14/23	17/23	18/23	20/23	19/23	18/23	21/23	23/23
Percentile	48th	26th	39th	26th	22nd	13th	17th	22nd	9th	0
Civil Engineering	Percentage Female, all UGRAD Students									
University of Delaware	19%	19%	18%	20%	19%	18%	19%	21%	24%	30%
Average of all schools	20%	20%	21%	21%	21%	22%	23%	24%	25%	25%
UD Rank / # of Institutions	99/213	113/216	127/217	112/221	125/223	157/224	161/224	117/212	106/206	62/201
Percentile	54th	48th	41st	49th	44th	30th	28th	45th	49th	69th
Average of comparators	19%	20%	20%	20%	21%	23%	24%	25%	26%	27%
UD Rank / # of Institutions	9/21	11/21	11/21	9/21	14/21	17/21	18/22	14/22	12/22	8/22
Percentile	57th	48th	48th	57th	33rd	23rd	18th	36th	45th	64th
Computer Engineering	Percentage Female, all UGRAD Students									
University of Delaware	6%	9%	7%	7%	9%	12%	6%	9%	9%	8%
Average of all schools	10%	10%	10%	10%	11%	11%	12%	12%	13%	14%
UD Rank / # of Institutions	141/174	102/177	124/179	139/181	110/183	73/188	160/183	137/187	130/181	158/184
Percentile	19th	42nd	31st	23rd	40th	61st	13th	27th	28th	14th
Average of comparators	8%	8%	9%	9%	9%	10%	10%	12%	11%	12%
UD Rank / # of Institutions	15/20	11/21	17/21	16/21	11/20	8/21	19/19	14/19	13/20	18/20
Percentile	25th	48th	19th	24th	45th	62nd	0	26th	35th	10th
Computer Science	Percentage Female, all UGRAD Students									
University of Delaware	7%	9%	10%	10%	11%	10%	15%	18%	19%	22%
Average of all schools	11%	12%	13%	13%	14%	14%	15%	16%	17%	18%
UD Rank / # of Institutions	168/206	147/215	133/213	150/224	140/221	169/222	73/219	62/224	66/224	53/218
Percentile	18th	32nd	38th	33rd	37th	24th	67th	72nd	71st	76th
Average of comparators	10%	10%	10%	12%	12%	13%	14%	16%	17%	18%
UD Rank / # of Institutions	16/21	14/23	10/22	18/23	14/22	21/22	9/23	6/22	5/23	5/23
Percentile	24th	39th	55th	22nd	36th	5th	61st	73rd	78th	78th
Electrical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	12%	10%	11%	12%	14%	14%	10%	13%	8%	8%
Average of all schools	11%	11%	11%	11%	12%	12%	13%	13%	14%	14%
UD Rank / # of Institutions	90/252	131/250	130/252	110/257	67/261	74/262	158/257	102/247	224/243	215/234
Percentile	64th	48th	48th	57th	74th	72nd	39th	59th	8th	8th
Average of comparators	10%	11%	11%	12%	12%	13%	13%	14%	14%	15%
UD Rank / # of Institutions	5/22	13/22	11/22	11/22	5/22	9/22	18/22	13/21	21/21	20/21
Percentile	77th	41st	50th	50th	77th	59th	18th	38th	0	5th
Environmental Engineering	Percentage Female, all UGRAD Students									
University of Delaware	48%	45%	41%	50%	46%	46%	46%	50%	47%	50%
Average of all schools	41%	42%	42%	44%	43%	44%	47%	47%	49%	51%
UD Rank / # of Institutions	24/62	31/65	40/63	25/65	24/65	33/65	35/64	33/68	43/74	48/76
Percentile	61st	52nd	37th	62nd	63rd	49th	45th	51st	42nd	37th
Average of comparators	45%	44%	41%	46%	45%	48%	49%	52%	47%	50%
UD Rank / # of Institutions	2/5	3/6	3/6	2/7	2/7	5/8	5/8	5/9	7/12	7/12
Percentile	60th	50th	50th	71st	71st	38th	38th	44th	43rd	42nd
Mechanical Engineering	Percentage Female, all UGRAD Students									
University of Delaware	15%	12%	12%	11%	13%	15%	15%	15%	21%	21%
Average of all schools	11%	11%	11%	12%	12%	13%	13%	14%	14%	15%
UD Rank / # of Institutions	53/275	98/276	106/278	139/282	100/285	93/288	96/290	95/286	48/276	44/269
Percentile	81st	64th	62nd	51st	65th	68th	67th	67th	83rd	80th
Average of comparators	11%	11%	11%	12%	13%	13%	14%	15%	16%	17%
UD Rank / # of Institutions	5/24	8/24	9/24	14/24	13/24	8/24	7/24	11/24	6/24	5/24
Percentile	79th	67th	63rd	42nd	46th	67th	71st	54th	75th	79th

5.3 Underrepresented Status

Figure 27 summarizes the percentage of URG students among all Undergraduate students and all incoming Undergraduate students as of Fall 2018 at the department level for the College of Engineering, and the % of graduating URG Undergraduate students for Academic Year 2017-18. Figure 28 shows the same data in absolute numbers.
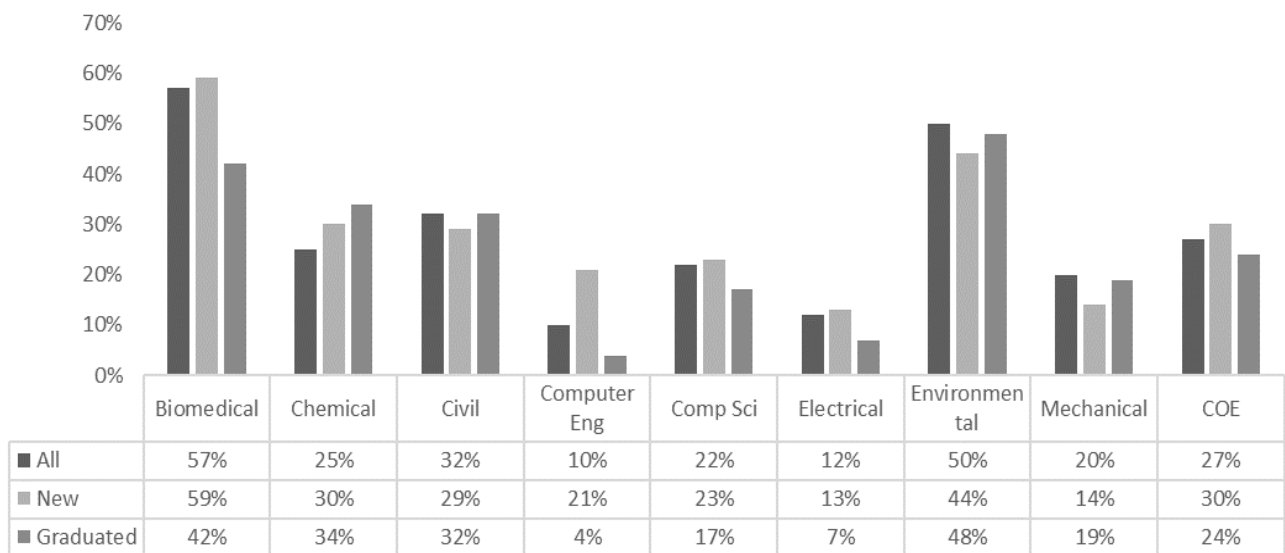
	Biomedical	Chemical	Civil	Computer Eng	Comp Sci	Electrical	Environmental	Mechanical	COE
All	12%	10%	11%	25%	23%	16%	16%	12%	15%
New	15%	10%	10%	25%	21%	15%	20%	9%	14%
Graduated	9%	13%	10%	15%	12%	11%	5%	10%	11%
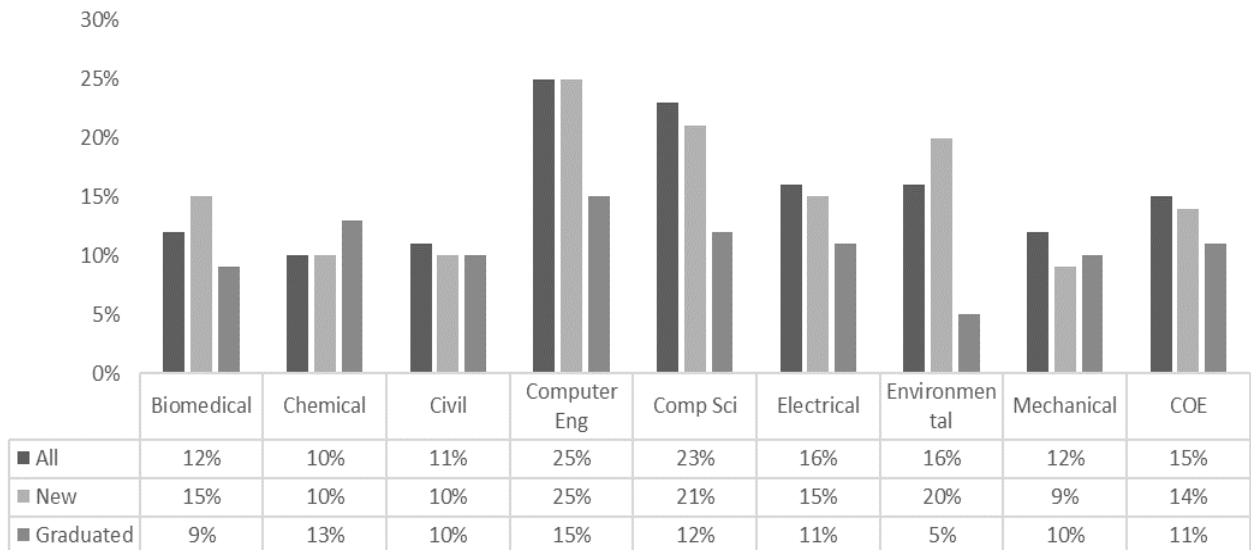
Figure 27. % of URG Undergraduate Students, All and New, by COE department, Fall 2018 and % of graduating URG Undergraduate Students by department, Academic Year 17-18

	Biomedical	Chemical	Civil	Computer Eng	Comp Sci	Electrical	Environmental	Mechanical	COE
All	29	39	30	30	55	27	17	67	294
New	15	12	5	6	20	6	5	10	79
Graduated	5	12	7	3	14	6	1	14	62
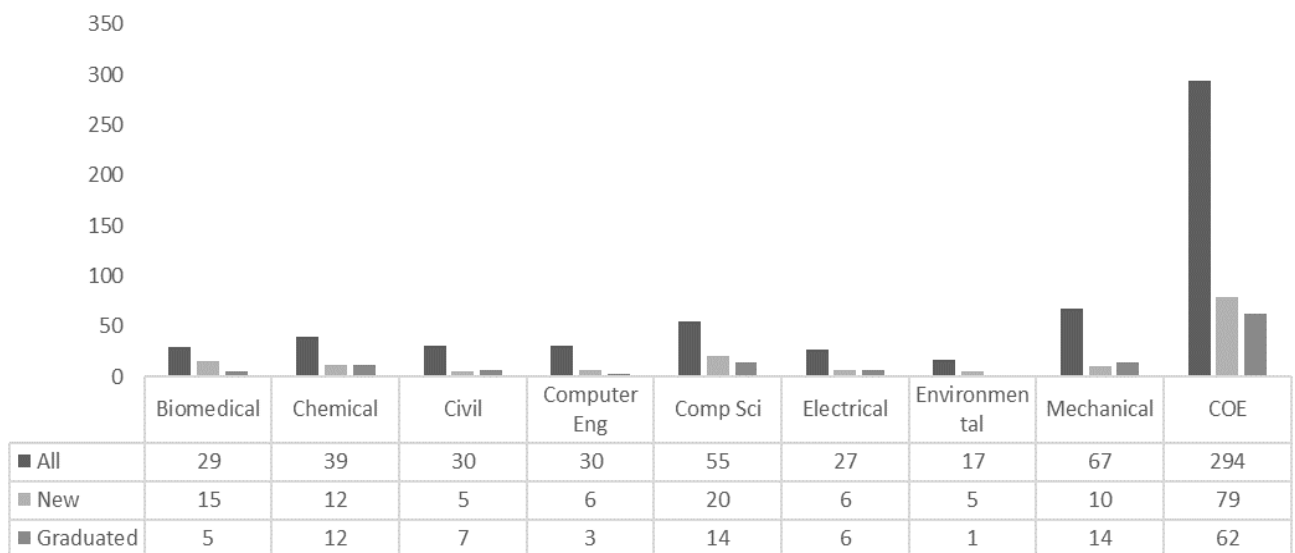
Figure 28. No. of URG Undergraduate Students, All and New, by COE department, Fall 2018 and % of graduating URG Undergraduate Students by department, Academic Year 17-18

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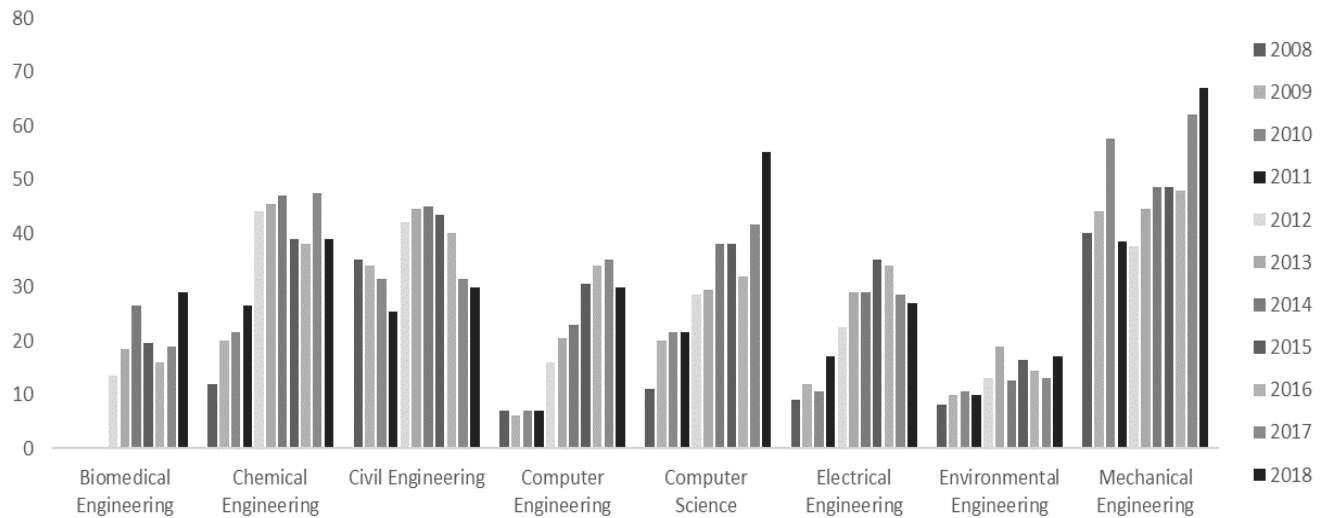

Figure 29. No. of URG Undergraduate students, by COE department, prior 10 years (2009-2018)

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, over last 10 years (2008-2017)

	Year									
	2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
College of Engineering	Percentage URG, all UGRAD Students									
University of Delaware	9%	9%	9%	8%	10%	11%	12%	12%	11%	12%
Average of all schools	17%	17%	18%	18%	18%	18%	19%	19%	19%	20%
UD Rank / # of Institutions	163/306	165/307	182/310	224/313	187/315	176/318	169/316	178/318	192/309	179/287
Percentile	47th	46th	41st	28th	41st	45th	47th	44th	38th	38th
Average of comparators	9%	9%	9%	10%	10%	11%	11%	11%	12%	12%
UD Rank / # of Institutions	10/24	7/24	9/24	14/24	9/24	9/24	7/24	9/24	11/24	11/24
Percentile	58th	71st	63rd	42nd	63rd	63rd	71st	63rd	54th	54th
Biomedical Engineering	Percentage URG, all UGRAD Students									
University of Delaware	-	-	-	-	9%	9%	13%	9%	8%	9%
Average of all schools	11%	11%	12%	13%	14%	15%	15%	16%	17%	18%
UD Rank / # of Institutions	-	-	-	-	80/116	87/115	62/120	103/126	113/130	109/132
Percentile	-	-	-	-	31st	24th	48th	18th	13th	17th
Average of comparators	8%	8%	9%	10%	10%	11%	11%	11%	12%	12%
UD Rank / # of Institutions	-	-	-	-	11/20	11/20	7/20	15/20	19/20	15/20
Percentile	-	-	-	-	45th	45th	65th	25th	5th	25th
Chemical Engineering	Percentage URG, all UGRAD Students									
University of Delaware	4%	7%	6%	7%	10%	10%	10%	9%	9%	11%
Average of all schools	15%	14%	15%	15%	15%	15%	16%	15%	16%	17%
UD Rank / # of Institutions	128/157	112/160	121/161	119/161	89/161	87/161	92/160	107/157	107/157	97/157
Percentile	18th	30th	25th	26th	45th	46th	43rd	32nd	32nd	38th
Average of comparators	9%	8%	9%	10%	10%	10%	10%	10%	11%	12%
UD Rank / # of Institutions	23/23	14/23	17/23	17/23	6/23	7/23	10/23	13/23	13/23	11/23
Percentile	0	39th	26th	26th	74th	70th	57th	43rd	43rd	52nd
Civil Engineering	Percentage URG, all UGRAD Students									
University of Delaware	11%	11%	9%	7%	11%	11%	12%	12%	13%	11%
Average of all schools	20%	20%	20%	21%	21%	22%	23%	22%	23%	24%
UD Rank / # of Institutions	91/213	101/216	126/217	166/222	135/223	137/224	133/224	133/212	125/206	143/201
Percentile	57th	53rd	42nd	25th	39th	38th	41st	37th	39th	29th
Average of comparators	9%	9%	9%	11%	11%	12%	13%	13%	14%	14%
UD Rank / # of Institutions	7/21	5/21	6/21	14/21	6/21	9/22	9/22	10/22	12/22	14/22
Percentile	67th	76th	71st	33rd	71st	59th	59th	55th	45th	36th
Computer Engineering	Percentage URG, all UGRAD Students									
University of Delaware	9%	7%	9%	8%	16%	16%	18%	22%	22%	19%
Average of all schools	23%	24%	25%	25%	26%	23%	23%	22%	22%	22%
UD Rank / # of Institutions	113/174	131/177	132/179	139/181	92/183	88/188	74/183	63/187	56/181	71/184
Percentile	35th	26th	26th	23rd	50th	53rd	60th	66th	69th	61st
Average of comparators	12%	10%	11%	11%	11%	10%	11%	11%	11%	11%
UD Rank / # of Institutions	14/20	14/21	13/21	17/21	6/20	4/21	3/19	1/19	2/20	4/20
Percentile	30th	33rd	38th	19th	70th	81st	84th	95th	90th	80th
Computer Science	Percentage URG, all UGRAD Students									
University of Delaware	7%	10%	12%	10%	12%	12%	14%	14%	12%	13%
Average of all schools	15%	15%	17%	18%	18%	18%	18%	19%	18%	19%
UD Rank / # of Institutions	134/206	96/215	96/213	131/224	113/221	116/222	96/219	108/224	129/224	111/218
Percentile	35th	55th	55th	42nd	49th	48th	56th	52nd	42nd	49th
Average of comparators	9%	9%	10%	10%	10%	10%	11%	11%	11%	11%
UD Rank / # of Institutions	13/21	8/23	7/21	9/23	4/22	6/22	4/23	5/22	9/23	5/23
Percentile	38th	65th	67th	61st	82nd	73rd	83rd	77th	61st	78th
Electrical Engineering	Percentage URG, all UGRAD Students									
University of Delaware	8%	8%	8%	10%	13%	17%	14%	16%	15%	14%
Average of all schools	23%	22%	22%	22%	22%	22%	22%	22%	22%	22%
UD Rank / # of Institutions	150/252	155/250	176/252	155/257	130/261	109/262	132/257	112/247	123/243	125/234
Percentile	40th	38th	30th	40th	50th	58th	49th	55th	49th	47th
Average of comparators	11%	11%	12%	12%	12%	12%	12%	12%	13%	12%
UD Rank / # of Institutions	11/22	13/22	17/22	13/22	6/22	4/22	8/22	7/21	6/21	7/21
Percentile	50th	41st	23rd	41st	73rd	82nd	64th	67th	71st	67th
Environmental Engineering	Percentage URG, all UGRAD Students									
University of Delaware	12%	11%	11%	9%	8%	10%	9%	12%	12%	12%
Average of all schools	16%	15%	16%	17%	18%	18%	18%	18%	21%	21%
UD Rank / # of Institutions	24/62	25/63	27/63	42/65	43/65	41/65	46/64	40/68	45/74	50/76
Percentile	61st	62nd	57th	35th	34th	37th	28th	41st	39th	34th
Average of comparators	9%	8%	8%	8%	8%	10%	10%	11%	10%	12%
UD Rank / # of Institutions	2/5	2/6	2/6	3/7	3/7	5/8	6/8	4/9	6/12	6/12
Percentile	60th	67th	67th	57th	57th	38th	25th	56th	50th	50th
Mechanical Engineering	Percentage URG, all Domestic Grad Students									
University of Delaware	10%	10%	11%	8%	8%	10%	11%	9%	9%	11%
Average of all schools	14%	14%	16%	16%	17%	17%	18%	18%	18%	19%
UD Rank / # of Institutions	119/275	127/276	129/278	179/282	195/285	176/288	171/290	194/286	198/276	171/269
Percentile	57th	54th	54th	37th	32nd	39th	41st	32nd	28th	36th
Average of comparators	7%	7%	8%	9%	9%	10%	10%	10%	11%	12%
UD Rank / # of Institutions	6/24	7/24	5/24	13/24	12/24	9/24	8/24	11/24	15/24	10/24
Percentile	75th	71st	79th	46th	50th	63rd	67th	54th	38th	58th

5.4 Retention

Figure 30 summarizes the 6-year graduation rates for Undergraduate students by program, for both majority and minority populations, in the Fall 2012 cohort. Graduation rates shown are for students who graduate in their original COE program (or who graduate within COE for the COE columns).

	Biomedical	Chemical	Civil	Comp Sci	Comp Eng	Electrical	Environmental	Mechanical	COE
Majority	52%	65%	84%	29%	44%	62%	36%	62%	60%
Women	90%	39%	86%	50%	0%	60%	47%	17%	55%
URG	38%	37%	86%	44%	50%	60%	67%	50%	49%
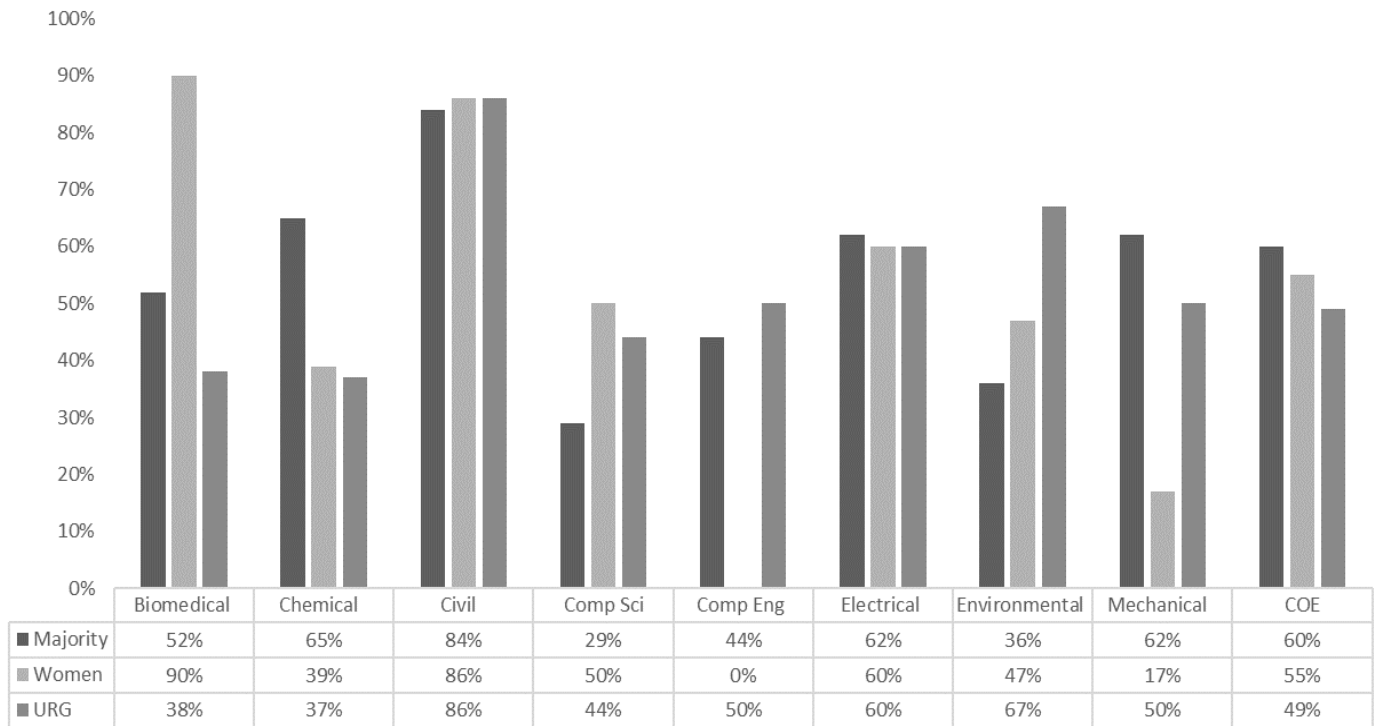
Figure 30. Retention rates, Fall 2012 cohort, quantified by 6-year graduation rates, for all COE undergraduate programs

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	
MEEG	Mechanical engineering	Mechanical engineering

Note: Construction Management was added as new Undergraduate program in 2018 and is not reflected in the report metrics owing to low number of students initially enrolled. 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 2018, for Faculty, Staff & Students

Table B1. Fall 2018 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	0	1	5	2	1	0	0	1	6	4	10
CHEG	1	1	2	1	1	2	16	1	20	5	25
CIEG	4	2	3	0	1	4	15	2	23	8	31
CISC	4	2	3	2	7	0	5	4	19	8	27
ELEG	3	0	1	2	4	2	14	0	22	4	26
MSEG	2	0	3	1	1	1	9	2	15	4	19
MEEG	1	2	5	0	7	0	10	2	23	4	27
Total	15	8	22	8	22	9	69	12	128	37	165

Table B2. Fall 2018 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	N/A	URG	White	Asian	N/A	URG	White	Asian	N/A	URG	White	Asian	N/A	URG	White	Asian	N/A	URG	Total
BMEG	1	0	0	0	7	0	0	0	1	0	0	0	1	0	0	0	10	0	0	0	10
CHEG	1	1	0	0	1	1	1	0	1	2	0	0	11	4	0	2	14	8	1	2	25
CIEG	4	0	2	0	1	0	1	1	3	1	0	1	10	6	0	1	18	7	3	3	31
CISC	6	0	0	0	1	2	2	0	5	1	0	1	4	5	0	0	16	8	2	1	27
ELEG	3	0	0	0	0	2	1	0	1	4	1	0	9	3	0	2	13	9	2	2	26
MSEG	0	1	0	1	2	0	1	1	1	0	0	1	9	2	0	0	12	3	1	3	19
MEEG	3	0	0	0	2	2	0	1	6	1	0	0	5	6	1	0	16	9	1	1	27
Total	18	2	2	1	14	7	6	3	18	9	1	3	49	26	1	5	99	44	10	12	165

Table B3. Fall 2018 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	4	13				1	76	94
	Female	3	11				1	69	84
	Male	1	2					7	10
Tech Support	Total	2	2	1	2	2		30	39
	Female				1	1		6	8
	Male	2	2	1	1	1		24	31
Research	Total	20	1				1	25	47
	Female	4						3	7
	Male	16	1				1	22	40
	Grand Total	26	16	1	2	3	1	131	180

Table B4. Fall 2018 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	4			1		30	38
	Female	2	1					18	21
	Male	1	3			1		12	17
Non managerial	Total	3	11	1	2	1	1	76	95
	Female	1	10		1	1	1	57	71
	Male	2	1	1	1			19	24
	Grand Total	6	15	1	2	2	1	106	133

Table B5. All Fall 2018 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	3	3	6	1	27	45
	Female	0	3	0	2	1	1	0	14	21
	Male	0	2	0	1	2	5	1	13	24
CHEG	Total	0	21	3	4	2	51	2	70	153
	Female	0	11	1	1	1	12	1	26	53
	Male	0	10	2	3	1	39	1	44	100
CIEG	Total	0	3	2	3	0	63	0	38	109
	Female	0	0	0	1	0	26	0	14	41
	Male	0	3	2	2	0	37	0	24	68
CISC	Total	1	2	5	3	2	114	0	28	155
	Female	1	1	2	1	1	33	0	9	48
	Male	0	1	3	2	1	81	0	19	107
ELEG	Total	1	11	14	7	2	118	4	85	242
	Female	0	1	5	0	1	22	1	8	38
	Male	1	10	9	7	1	96	3	77	204
MSEG	Total	0	4	3	2	4	52	1	36	102
	Female	0	1	0	0	0	19	0	10	30
	Male	0	3	3	2	4	33	1	26	72
MEEG	Total	0	4	1	1	1	70	2	30	109
	Female	0	2	0	0	0	11	0	5	18
	Male	0	2	1	1	1	59	2	25	91
	Grand Total	2	50	28	23	14	474	10	314	915

Table B6. New Fall 2018 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	2	0	0	5	7
	Female	0	0	0	0	1	0	0	3	4
	Male	0	0	0	0	1	0	0	2	3
CHEG	Total	0	4	0	2	1	5	0	19	31
	Female	0	2	0	1	1	1	0	5	10
	Male	0	2	0	1	0	4	0	14	21
CIEG	Total	0	0	0	1	0	12	0	10	23
	Female	0	0	0	0	0	4	0	6	10
	Male	0	0	0	1	0	8	0	4	13
CISC	Total	0	1	1	1	0	19	0	6	28
	Female	0	0	0	0	0	2	0	2	4
	Male	0	1	1	1	0	17	0	4	24
ELEG	Total	0	0	5	0	0	21	0	9	35
	Female	0	0	1	0	0	3	0	0	4
	Male	0	0	4	0	0	18	0	9	31
MSEG	Total	0	0	1	0	0	15	0	6	22
	Female	0	0	0	0	0	4	0	2	6
	Male	0	0	1	0	0	11	0	4	16
MEEG	Total	0	1	1	0	0	4	0	6	12
	Female	0	1	0	0	0	0	0	2	3
	Male	0	0	1	0	0	4	0	4	9
	Grand Total	0	6	8	4	3	76	0	61	158

Table B7. AY 2017-18 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	1	0	1	0	0	2	4
	Female	0	0	0	0	0	0	0	1	1
	Male	0	0	1	0	1	0	0	1	3
CHEG	Total	0	4	1	2	2	10	1	21	41
	Female	0	3	0	1	0	3	0	7	14
	Male	0	1	1	1	2	7	1	14	27
CIEG	Total	0	2	0	0	0	19	0	11	32
	Female	0	2	0	0	0	7	0	3	12
	Male	0	0	0	0	0	12	0	8	20
CISC	Total	0	1	0	0	0	35	0	4	40
	Female	0	0	0	0	0	10	0	0	10
	Male	0	1	0	0	0	25	0	4	30
ELEG	Total	0	1	1	1	1	54	0	25	83
	Female	0	0	0	0	0	12	0	2	14
	Male	0	1	1	1	1	42	0	23	69
MSEG	Total	0	3	1	0	1	5	0	8	18
	Female	0	2	0	0	0	1	0	0	3
	Male	0	1	1	0	1	4	0	8	15
MEEG	Total	0	0	0	0	0	13	1	10	24
	Female	0	0	0	0	0	1	1	2	4
	Male	0	0	0	0	0	12	0	8	20
	Grand Total	0	11	4	3	5	136	2	81	242

Table B8. All Fall 2018 COE Undergraduate 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
Biomedical	Total	2	28	8	10	7	9	6	170	240
	Female	2	12	5	5	1	7	5	99	136
	Male	0	16	3	5	6	2	1	71	104
Chemical	Total	0	41	11	22	16	50	9	254	403
	Female	0	7	6	4	6	13	1	63	100
	Male	0	34	5	18	10	37	8	191	303
Civil	Total	1	11	8	18	5	5	3	212	263
	Female	1	3	2	6	3	2	1	66	84
	Male	0	8	6	12	2	3	2	146	179
Comp Eng	Total	1	15	11	13	6	10	6	110	172
	Female	0	1	2	2	3	1	1	8	18
	Male	1	14	9	11	3	9	5	102	154
Comp Sci	Total	0	58	19	27	11	48	5	190	358
	Female	0	17	6	4	3	12	0	36	78
	Male	0	41	13	23	8	36	5	154	280
Electrical	Total	1	19	10	12	5	19	3	103	172
	Female	0	4	1	0	1	2	1	11	20
	Male	1	15	9	12	4	17	2	92	152
Environmental	Total	0	5	2	13	3	7	2	75	107
	Female	0	2	2	9	2	4	0	41	60
	Male	0	3	0	4	1	3	2	34	47
Mechanical	Total	0	35	20	38	12	28	14	395	542
	Female	0	6	8	5	2	5	0	83	109
	Male	0	29	12	33	10	23	14	312	433
	Grand Total	5	212	89	153	65	176	48	1,509	2,257

Table B9. New Fall 2018 COE Undergraduate 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
Biomedical	Total	1	8	5	4	3	6	5	69	101
	Female	1	2	4	2	0	5	4	42	60
	Male	0	6	1	2	3	1	1	27	41
Chemical	Total	0	14	5	6	6	17	5	69	122
	Female	0	2	2	2	4	4	0	22	36
	Male	0	12	3	4	2	13	5	47	86
Civil	Total	0	2	0	4	1	1	0	40	48
	Female	0	1	0	1	0	0	0	12	14
	Male	0	1	0	3	1	1	0	28	34
Comp Eng	Total	0	1	4	1	2	1	2	13	24
	Female	0	0	2	0	1	1	0	1	5
	Male	0	1	2	1	1	0	2	12	19
Comp Sci	Total	0	16	7	9	3	5	1	53	94
	Female	0	3	3	3	0	0	0	13	22
	Male	0	13	4	6	3	5	1	40	72
Electrical	Total	0	4	3	2	2	1	1	26	39
	Female	0	1	1	0	0	0	0	3	5
	Male	0	3	2	2	2	1	1	23	34
Environmental	Total	0	2	1	4	0	0	1	17	25
	Female	0	1	1	3	0	0	0	6	11
	Male	0	1	0	1	0	0	1	11	14
Mechanical	Total	0	5	5	5	2	0	5	87	109
	Female	0	0	1	0	0	0	0	14	15
	Male	0	5	4	5	2	0	5	73	94
	Grand Total	1	52	30	35	19	31	20	374	562

Table B10. AY 2017-18 graduating COE Undergraduate 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
Biomedical	Total	0	6	1	3	2	3	1	37	53
	Female	0	4	0	0	1	0	0	17	22
	Male	0	2	1	3	1	3	1	20	31
Chemical	Total	0	5	3	7	5	7	0	63	90
	Female	0	3	2	4	3	1	0	18	31
	Male	0	2	1	3	2	6	0	45	59
Civil	Total	0	1	2	4	1	4	0	56	68
	Female	0	0	0	2	1	0	0	19	22
	Male	0	1	2	2	0	4	0	37	46
Comp Eng	Total	0	4	1	2	1	4	0	13	25
	Female	0	0	0	0	0	1	0	0	1
	Male	0	4	1	2	1	3	0	13	24
Comp Sci	Total	0	13	6	6	5	6	0	56	92
	Female	0	4	0	4	0	3	0	5	16
	Male	0	9	6	2	5	3	0	51	76
Electrical	Total	0	9	3	3	2	4	1	34	56
	Female	0	1	1	0	0	0	0	2	4
	Male	0	8	2	3	2	4	1	32	52
Environmental	Total	0	1	0	1	0	1	0	18	21
	Female	0	1	0	1	0	0	0	8	10
	Male	0	0	0	0	0	1	0	10	11
Mechanical	Total	0	6	3	9	6	6	1	108	139
	Female	0	2	2	2	1	0	1	18	26
	Male	0	4	1	7	5	6	0	90	113
	Grand Total	0	45	19	35	22	35	3	385	544

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

Table C1. 10 Year (2009-2018) COE Undergraduate Students by department, gender and URG status

		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
COE	Women	285	304	329	443	491	500	542	550	581	605
	Men	1,319	1,388	1,465	1,674	1,757	1,758	1,760	1,700	1,706	1,652
	URG	146	160	146	217	251	270	271	258	278	294
	Non-URG	1,458	1,532	1,648	1,900	1,997	1,988	2,031	1,993	2,009	1,963
	Total	1,604	1,692	1,794	2,117	2,248	2,258	2,302	2,250	2,287	2,257
Biomedical	Women				65	90	103	108	105	109	136
	Men				86	116	106	112	94	98	104
	URG				14	19	27	20	16	19	29
	Non-URG				137	187	182	200	183	188	211
	Total				151	206	209	220	199	207	240
Chemical	Women	87	104	106	105	115	125	119	115	117	100
	Men	220	251	289	323	330	340	307	298	312	303
	URG	20	22	27	44	46	47	39	38	48	39
	Non-URG	287	333	368	384	399	418	387	375	381	364
	Total	307	355	395	428	445	465	426	413	429	403
Civil	Women	59	60	71	74	71	71	79	75	86	84
	Men	258	274	285	316	333	312	291	237	200	179
	URG	34	32	26	42	45	45	44	40	32	30
	Non-URG	283	302	330	348	359	338	326	272	254	233
	Total	317	334	356	390	404	383	370	312	286	263
Computer Engineering	Women	8	6	6	9	15	7	12	15	15	18
	Men	83	76	82	94	115	119	129	143	173	154
	URG	6	7	7	16	21	23	31	34	35	30
	Non-URG	85	75	81	87	109	103	110	124	153	142
	Total	91	82	88	103	130	126	141	158	188	172
Computer Science	Women	18	18	22	27	24	42	50	52	68	78
	Men	173	161	201	218	227	237	226	221	245	280
	URG	20	22	22	29	30	38	38	32	42	55
	Non-URG	171	157	201	216	221	241	238	241	271	303
	Total	191	179	223	245	251	279	276	273	313	358
Electrical	Women	15	15	19	24	24	21	29	18	16	20
	Men	130	124	144	145	150	184	190	215	182	152
	URG	12	11	17	23	29	29	35	34	29	27
	Non-URG	133	128	146	147	145	176	184	199	170	145
	Total	145	139	163	169	174	205	219	233	198	172
Environmental	Women	41	38	54	77	87	65	65	56	54	60
	Men	50	55	55	90	104	76	66	63	55	47
	URG	10	11	10	13	19	13	16	15	13	17
	Non-URG	81	83	99	154	172	128	114	105	96	90
	Total	91	93	109	167	191	141	131	119	109	107
Mechanical	Women	57	63	51	62	65	66	80	114	116	109
	Men	405	447	409	402	382	384	439	429	441	433
	URG	44	58	39	38	45	49	49	48	62	67
	Non-URG	418	452	421	426	402	401	470	495	495	475
	Total	462	510	460	464	447	450	519	543	557	542

Table C2. 10 Year (2009-2018) COE Graduate Students by department, gender and URG status

			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
COE	Domestic	Women	87	68	68	70	89	82	95	104	116	125
		Men	230	219	256	272	271	264	255	305	334	318
		URG	17	17	30	33	40	38	46	50	63	60
		Non-URG	300	270	294	309	320	308	304	359	387	383
	Not domestic	Women	102	114	112	131	127	117	126	123	125	124
		Men	270	303	274	305	316	311	349	360	368	350
	All	Women	189	182	180	201	216	199	221	227	241	249
		Men	500	522	530	577	587	575	604	665	702	668
		Domestic	317	287	324	342	360	346	350	409	450	443
		Not domestic	372	417	386	436	443	428	475	483	493	474
		Total	689	704	710	778	803	774	825	892	943	917
Biomedical	Domestic	Women				0	5	7	10	15	17	20
		Men				4	7	8	12	18	21	19
		URG				1	3	4	4	5	6	33
		Non-URG				3	9	11	18	28	33	6
	Not domestic	Women				0	0	0	0	0	1	1
		Men				2	3	3	5	5	5	5
	All	Women				0	5	7	10	15	18	21
		Men				6	10	11	17	23	26	24
		Domestic				4	12	15	22	33	38	39
		Not domestic				2	3	3	5	5	6	6
		Total				6	15	18	27	38	44	45
Chemical	Domestic	Women	30	25	28	28	39	39	43	45	38	41
		Men	55	59	73	75	71	76	78	63	62	61
		URG	4	6	4	7	12	13	13	10	9	7
		Non-URG	81	78	97	96	98	102	109	98	91	95
	Not domestic	Women	8	5	15	18	16	12	16	10	10	12
		Men	30	29	26	26	21	24	23	24	35	39
	All	Women	38	30	43	46	55	51	59	55	48	53
		Men	85	88	99	101	92	100	101	87	97	100
		Domestic	85	84	101	103	110	115	121	108	100	102
		Not domestic	38	34	41	44	37	36	39	34	45	51
		Total	123	118	142	147	147	151	160	142	145	153
Civil & Environ.	Domestic	Women	13	17	17	23	22	16	17	9	10	15
		Men	43	34	38	48	46	30	33	32	29	31
		URG	2	3	5	7	12	7	11	8	6	5
		Non-URG	54	48	50	65	57	39	40	34	33	41
	Not domestic	Women	18	32	22	30	31	22	23	21	21	26
		Men	37	73	37	51	60	50	47	49	42	37
	All	Women	31	49	39	53	53	38	40	30	31	41
		Men	80	107	75	99	106	80	80	81	71	68
		Domestic	56	51	55	71	68	46	50	41	39	46
		Not domestic	55	105	59	81	91	72	70	70	63	63
		Total	111	156	114	152	159	118	120	111	102	109
Computer Science	Domestic	Women	5	4	7	5	2	2	8	11	16	15
		Men	22	29	34	31	29	26	25	27	25	26
		URG	2	1	5	3	1	1	6	7	8	10
		Non-URG	25	32	37	33	30	27	27	31	33	31
	Not domestic	Women	28	26	26	27	27	32	35	32	35	33
		Men	63	60	66	73	81	85	83	78	87	81
	All	Women	33	30	33	32	29	34	43	43	51	48
		Men	85	89	100	104	110	111	108	105	112	107
		Domestic	27	33	41	36	31	28	33	38	41	41
		Not domestic	91	86	92	100	108	117	118	110	122	114
		Total	118	119	133	136	139	145	151	148	163	155

Table C2. 10 Year (2009-2018) COE Graduate Students by department, gender and URG status (cont.)

			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Electrical & Computer	Domestic	Women	6	5	4	5	7	7	6	9	18	16
		Men	45	48	59	56	61	66	60	107	133	109
		URG	5	5	6	6	4	7	8	12	26	24
		Non-URG	46	49	57	55	64	66	58	104	125	101
	Not domestic	Women	16	17	16	26	28	25	28	35	31	22
		Men	73	67	60	75	73	77	124	131	116	96
	All	Women	22	22	20	31	35	32	34	44	49	38
		Men	118	115	119	131	134	143	184	238	249	205
		Domestic	51	53	63	61	68	73	66	116	151	125
		Not domestic	89	84	76	101	101	102	152	166	147	118
		Total	140	137	139	162	169	175	218	282	298	243
Materials Science	Domestic	Women	12	11	6	5	5	6	5	8	11	11
		Men	18	18	25	27	24	26	24	35	35	40
		URG	1	2	7	6	4	4	4	6	7	6
		Non-URG	29	27	25	27	26	28	25	37	39	45
	Not domestic	Women	16	24	20	17	16	21	21	20	17	19
		Men	23	28	27	29	33	26	21	21	24	33
	All	Women	28	35	26	22	21	27	26	28	28	30
		Men	41	46	52	56	57	52	45	56	59	73
		Domestic	30	29	31	32	29	32	29	43	46	51
		Not domestic	39	52	47	46	49	47	42	41	41	52
		Total	69	81	78	78	78	79	71	84	87	103
Mechanical	Domestic	Women	21	6	6	4	9	5	6	7	6	7
		Men	47	31	27	31	33	32	23	23	29	32
		URG	3	1	4	5	5	3	1	3	2	2
		Non-URG	65	37	30	31	37	35	28	28	34	37
	Not domestic	Women	16	10	13	13	9	5	3	5	10	11
		Men	44	46	58	49	45	46	46	52	59	59
	All	Women	37	16	19	17	18	10	9	12	16	18
		Men	91	77	85	80	78	78	69	75	88	91
		Domestic	68	37	33	35	42	37	29	30	35	39
		Not domestic	60	56	71	62	54	51	49	57	69	70
		Total	128	93	104	97	96	88	78	87	104	109

Table C3. 10 Year (2009-2018) COE Faculty by department, type, gender and URG status

Dept	Type		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
COE	CT	Women						3	4	6	8	8
		Men						5	6	8	10	15
		URG						0	0	0	0	1
		Non-URG						8	10	14	18	22
	T/TT	Women	17	20	23	23	21	21	24	26	28	29
		Men	108	113	108	110	107	106	103	101	104	113
		URG	8	8	7	7	8	7	8	8	8	11
		Non-URG	117	125	124	126	120	120	119	119	124	131
	All	Women	17	20	23	23	21	24	28	32	36	37
		Men	108	113	108	110	107	111	109	109	114	128
		URG	8	8	7	7	8	7	8	8	8	12
		Non-URG	117	125	124	126	120	128	129	133	142	153
		Total	125	133	131	133	128	135	137	141	150	165
Biomedical	CT	Women						1	2	2	0	1
		Men						0	0	0	0	0
		URG						0	0	0	0	0
		Non-URG						1	2	2	2	1
	T/TT	Women				1	2	2	2	3	3	3
		Men				2	1	4	5	6	6	6
		URG				0	1	0	0	0	0	0
		Non-URG				3	2	6	7	9	9	9
	All	Women				1	2	3	4	5	5	4
		Men				2	1	4	5	6	6	6
		URG				0	1	0	0	0	0	0
		Non-URG				3	2	7	9	11	11	10
		Total				3	3	7	9	11	11	10
Chemical	CT	Women						0	0	1	1	1
		Men						0	1	1	1	1
		URG						0	0	0	0	0
		Non-URG						0	1	2	2	2
	T/TT	Women	3	4	5	4	2	3	3	3	4	4
		Men	18	21	23	22	21	21	19	19	18	19
		URG	3	3	3	3	2	2	2	2	2	2
		Non-URG	18	22	25	23	21	22	20	20	20	21
	All	Women	3	4	5	4	2	3	3	4	5	5
		Men	18	21	23	22	21	21	20	20	19	20
		URG	3	3	3	3	2	2	2	2	2	2
		Non-URG	18	22	25	23	21	22	21	22	22	23
		Total	21	25	28	26	23	24	23	24	24	25
Civil & Environ.	CT	Women						0	0	0	1	2
		Men						1	1	2	3	4
		URG						0	0	0	0	0
		Non-URG						1	1	2	4	6
	T/TT	Women	3	3	4	4	4	4	4	4	5	6
		Men	21	21	20	20	21	19	17	16	18	19
		URG	1	1	1	1	2	2	2	2	2	3
		Non-URG	23	23	23	23	23	21	19	18	21	22
	All	Women	3	3	4	4	4	4	4	4	6	8
		Men	21	21	20	20	21	20	18	18	21	23
		URG	1	1	1	1	2	2	2	2	2	3
		Non-URG	23	23	23	23	23	22	20	20	25	28
		Total	24	24	24	24	25	24	22	22	27	31

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Table C3. 10 Year (2009-2018) COE Faculty by department, type, gender and URG status (cont.)

			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Computer science	CT	Women						0	0	0	1	2
		Men						2	2	2	2	4
		URG						0	0	0	0	0
		Non-URG						2	2	2	3	6
	T/TT	Women	5	5	6	6	6	6	8	7	7	6
		Men	17	18	16	17	17	16	15	15	14	15
		URG	1	1	1	1	1	1	1	1	1	1
		Non-URG	21	22	21	22	22	21	22	21	20	20
	All	Women	5	5	6	6	6	6	8	7	8	8
		Men	17	18	16	17	17	18	17	17	16	19
		URG	1	1	1	1	1	1	1	1	1	1
		Non-URG	21	22	21	22	22	23	24	23	23	26
		Total	22	23	22	23	23	24	25	24	24	27
Electrical & Computer	CT	Women						0	0	0	0	0
		Men						1	1	2	3	3
		URG						0	0	0	0	0
		Non-URG						1	1	2	3	3
	T/TT	Women	1	3	3	3	2	2	2	4	4	4
		Men	24	22	20	20	19	18	18	16	16	19
		URG	3	3	2	2	2	2	2	2	2	2
		Non-URG	22	22	21	21	19	18	18	18	18	21
	All	Women	1	3	3	3	2	2	2	4	4	4
		Men	24	22	20	20	19	19	19	18	19	22
		URG	3	3	2	2	2	2	2	2	2	2
		Non-URG	22	22	21	21	19	19	19	20	21	24
		Total	25	25	23	23	21	21	21	22	23	26
Materials Science	CT	Women						0	0	0	0	0
		Men						1	1	1	1	2
		URG						0	0	0	0	1
		Non-URG						1	1	1	1	1
	T/TT	Women	2	2	2	2	2	2	3	3	3	4
		Men	11	11	11	11	11	11	11	11	12	13
		URG	0	0	0	0	0	0	1	1	1	2
		Non-URG	13	13	13	13	13	13	13	13	14	15
	All	Women	2	2	2	2	2	2	3	3	3	4
		Men	11	11	11	11	11	12	12	12	13	15
		URG	0	0	0	0	0	0	1	1	1	3
		Non-URG	13	13	13	13	13	14	14	14	15	16
		Total	13	13	13	13	13	14	15	15	16	19
Mechanical	CT	Women						2	2	3	3	2
		Men						0	0	0	0	1
		URG						0	0	0	0	0
		Non-URG						2	2	3	3	3
	T/TT	Women	3	3	3	3	3	2	2	2	2	2
		Men	17	20	18	18	17	17	18	18	20	22
		URG	0	0	0	0	0	0	0	0	0	1
		Non-URG	20	23	21	21	20	19	20	20	20	23
	All	Women	3	3	3	3	3	4	4	5	5	4
		Men	17	20	18	18	17	17	18	18	20	23
		URG	0	0	0	0	0	0	0	0	0	1
		Non-URG	20	23	21	21	20	21	22	23	25	26
		Total	20	23	21	21	20	21	22	23	25	27

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Table C4. Fall 2017 & Fall 2018 COE Staff by job type, managerial role, gender and URG status

		2017	2018
COE	**Women**	93	99
	Men	57	81
	URG	15	18
	Non-URG	135	162
	Total	150	180
Admin support	**Women**	82	84
	Men	12	10
	URG	12	13
	Non-URG	82	81
	Total	94	94
Tech support	**Women**	7	8
	Men	28	31
	URG	3	4
	Non-URG	32	35
	Total	35	39
Research	**Women**	4	7
	Men	17	40
	URG	0	1
	Non-URG	21	46
	Total	21	47
Managerial	**Women**	21	21
	Men	15	17
	URG	3	4
	Non-URG	33	34
	Total	36	38
Non-managerial	**Women**	68	71
	Men	25	24
	URG	12	13
	Non-URG	81	82
	Total	93	95