

College of Engineering Annual Faculty Meeting

May 22, 2019



UC DAVIS
COLLEGE OF ENGINEERING

Meeting Minutes

- UNIVERSITY OF CALIFORNIA, DAVIS
VOLUME XXXVIII, NO. 3
- ACADEMIC SENATE
- MINUTES (POSTED TO THE COE INTRANET)
- REGULAR MEETING
- FACULTY OF THE COLLEGE OF ENGINEERING
(DAVIS)
- MAY 22, 2019, 3:00 P.M., 1003 KEMPER HALL

Order of Business

1. Announcements by the President, Janet Napolitano
(none)

2. Announcements by the Chair, Laura Marcu
(slides to follow)

Executive Committee Activities

- Discussed and/or commented on campus partnering with FireEye (follow up), indirect cost return practices, COACHE faculty satisfaction survey concerns, student teaching evaluation methods, UC/Elsevier negotiations, LPSOE policy, AggieSquare, Code of Academic Conduct/Senate regulation changes/Office of Student Support and Judicial Affairs conduct process, GradeScope, AI-in-Health activities and college budget for FY19-20
- Approved Course Materials and Services Fees – 6 renewals, 1 revised, 10 new
- Approved undergraduate curriculum changes – BAE, BME, CEE, ECE and MSE
- Approved bylaw changes proposed by UGEP

Executive Committee Activities continued...

- Reviewed and/or responded to eleven Requests for Consultation (RFCs) from Academic Senate:
 - Proposal to Establish a Data Science Academic Unit in the College of Letters and Science
 - Proposed Revisions to Presidential Policy on Sexual Violence and Sexual Harassment
 - Proposed Revisions to PPM 360-50, Key/Access Card Control
 - Proposal to Disestablish the Division of Textiles and Clothing
 - Revised APM UCD-620, Policies and Procedures for Administration of Off-Scale Salaries
 - Proposed Revisions to the Managerial Economics Major
 - Proposal to Eliminate APM-UCD 285

Executive Committee Activities continued...

- Requests for Consultation (RFCs) from Academic Senate continued...
 - Proposed Revisions to PPM 240-50, General Policy Regarding Human Research
 - Second Systemwide Review of Proposed Presidential Policy on Open Access for Theses and Dissertations
 - Proposed Revisions to SVSH Academic Frameworks
 - Proposed UC Transfer Admission Guarantee

Order of Business continued...

Standing Committee Report (out of order)

Graduate Study Committee
Yayoi Takamura, Chair

3. Announcements by the Dean, Jennifer S. Curtis
 - Slides to follow

College of Engineering Budget Briefing

Presented to:

Faculty Executive Committee – May 2, 2019

College Leadership – May 15, 2019

Annual Faculty Meeting – May 22, 2019

College Staff – May 29, 2019

Campus Leadership – May 31, 2019

Presentation Outline

- **1. Opening Comments**
- **2. Financial Status**
- **3. Long-Term Financial Sustainable Strategies**
- **4. Faculty Perspective**
- **5. Key Metrics**

1. Opening Comments

- Approximately break-even in terms of recurring budget
- Faculty startup and renovation costs are not sustainable, even if faculty size is maintained (replacing leaving faculty with new faculty creates large, additional one-time financial burden)
- \$800 - \$1300 per square foot for new construction and renovation (up to 3 times more than our peer institutions)
- For our undergraduate program, Engineering Student Design Center project is #1 development priority
- Fostering research – seed grants, support for large-scale initiatives
 - \$15 million over five years to a new NASA research institute led by Steve Robinson
 - HOME ‘Habitats Optimized for Missions of Exploration’ Space Research Institute
- Diversity in our graduate student population needs attention
- Need to enhance research metrics (PhDs and research expenditures) and improve national visibility of our college and faculty amongst our academic peers - peer perception is improving

COE Budget Request

- 1. Engineering Student Design Center – loan for ESDC renovation and expansion. Raised \$9M and estimated project cost \$20M – loan request of \$11M
- 2. Coffee Center – loan for renovation of former Advanced Materials Research Laboratory. Raised \$2M and estimated project cost \$6M – loan request of \$4M
- 3. FY 19-20 Faculty Startup (total of \$6.8M)

2. Financial Status

FACULTY START UP SUMMARY

COMMITMENTS		FUND SOURCES						
FISCAL YEAR HIRES	TOTAL COE START UP	DEAN'S OFFICE	DEPARTMENTS	BLOCK GRANT/HIRING ASSISTANCE	PROVOST	OTHER		
2015-16 (12 Faculty hires)	\$ 4,096,131	\$ 1,402,042	\$ 1,294,089	\$ 1,000,000	\$ 400,000			
2016-17 (17 Faculty hires)	\$ 14,936,233	\$ 7,010,137	\$ 3,996,096	\$ 3,000,000	\$ 770,000	\$ 160,000		
2017-18 (13 Faculty hires)	\$ 7,643,243	\$ 1,525,134	\$ 3,879,094	\$ 1,500,000	\$ 650,000	\$ 89,015		
2018-19 (10 Faculty hires)	\$ 6,765,527	\$ 512,577	\$ 3,557,950	\$ 2,000,000	\$ 695,000			
TOTAL	\$ 33,441,134	\$ 10,449,890	\$ 12,727,229	\$ 7,500,000	\$ 2,515,000	\$ 249,015		
Percentage of total		31%	38%	22%	8%	1%		
	Average - \$643,098							
Dean's office allocations to departments after June 2019 projected hired committed faculty of \$8.7m (if all of the \$1.8m is allocated in 2018-19)								
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	Total 2019-2025
	\$1.8M	\$2.6M	\$2.5M	\$2.2M	\$836K	\$525K		\$8.7M
commitments @ avg of \$643K with 2/3rd from COE. Projected 11 hires with 1 being HIP hire (campus funded start up 300k)	-	\$1.1M	\$1.1M	\$1.1M	\$1.1M	\$1.1M	\$1.3M	\$6.8M
Totals		\$3.7M	\$3.6M	\$3.3M	\$1.9M	\$1.6M	\$1.3M	\$15.5M

Dean's Office Budget FY 19-20

SOURCES

	<u>AMOUNT</u>	<u>%</u>
TOTAL CARRY FORWARD FROM FY 18-19		
(PROJECTED - \$2.8 Unrestricted, \$4.5 Restricted)	\$7,249,613	14%
TOTAL BASE & RECURRING FUNDING	\$40,675,152	78%
TOTAL ONE TIME OR LIMITED TIME SOURCES	\$3,992,929	8%
TOTAL SOURCES	<u>\$51,917,694</u>	<u>100%</u>

EXPENDITURES

TOTAL RECURRING EXPENSES TO OTHER CAMPUS UNITS	\$2,517,250	6%
TOTAL RECURRING EXPENSES TO DEPARTMENTS	\$25,312,970	55%
DEAN'S OFFICE OPERATIONAL UNITS – RECURRING EXPENSES	\$12,651,532	27%
ONE TIME OR LIMITED TIME EXPENSES (FIRM COMMITMENTS)	\$5,414,029	12%
TOTAL EXPENDITURES	<u>\$45,895,781</u>	<u>100%</u>

PROJECTED BALANCE – CARRY FORWARD

\$6,021,913

REMAINING FIRM START UP COMMITMENTS TO BE PAID OUT AFTER 2018-19
(not including 2019-20 faculty hires)

\$8.7M

RECURRING SOURCES

Carry Forward Funds from 2018-19 (PROJECTED)	\$7,249,613
Base Budget	\$13,462,504
Increment to Base Budget from Tuition	\$754,000
Increment to Base Budget from Staff Merits	\$165,000
Benefits	\$12,198,430
Increment to Base Budget for Benefits Costs	\$770,000
TA Funds	\$2,652,057
Increment to TA Funds	\$0
MS Pilot Revenue	\$608,000
Grad Fee Remission and Grad Budget Model	\$570,887
Increment to Grad Fee Remission and Grad Budget Model	\$33,880
Grad UCOP Funds	\$302,931
MEIP	\$426,000

RECURRING SOURCES

ICR	\$4,630,000
Increment/reduction to ICR	\$31,739
BME ICRs from CIRM grants (not in base allocation)	\$375,000
Summer Sessions	\$462,000
Advising Funds	\$113,800
CNM2 Recharge Revenue	\$395,000
Gift Fee Revenue, Annual Fund	\$570,109
Other Donations to College	\$1,200,000
Academic Year Cost Recovery	\$35,000
Patent Funds	\$25,000
IT (MOUs with other units)	\$320,000
Watershed Room, Other funds	\$31,997
HIP Position Funds /Partial year faculty separation	<u>\$541,818</u>
TOTAL RECURRING SOURCES	\$47,924,765

ONE TIME OR LIMITED TIME SOURCES

Development Officer Funding - Provost	\$115,677
SAO/POP funds	\$15,102
Dean's Discretionary	\$400,000
Spafford Lease Reimbursement	\$787,000
Block Grant/Faculty hiring assistance	\$2,000,000
Campos, PPFP salary	\$271,150
Miscellaneous one time funds	\$104,000
HIP Funds for Start Up	<u>\$300,000</u>
TOTAL ONE TIME OR LIMITED TIME	\$3,992,929

TOTAL SOURCES

\$51,917,694

RECURRING EXPENDITURES TO OTHER CAMPUS UNITS

Annual Fund Assessment	\$33,000
415M – ‘Top Up’ on Retirement College Pays	\$61,368
OP Tax to Campus	\$2,010,634
Common Goods Assessment	\$103,092
Dean’s Graduate fellowships Match-Graduate studies	\$190,000
School of Medicine Faculty Split Appointments	\$119,156
TOTAL RECURRING EXPENSES TO OTHER CAMPUS UNITS	\$2,517,250

RECURRING EXPENDITURES TO DEPARTMENTS

New Faculty Hires in 2019-20	\$1,080,000
Graduate Support	\$1,409,718
TA Support	\$3,630,977
Benefits	\$14,863,802
ICR to Departments and Faculty	\$2,612,449
Summer Session to Departments	\$462,000
Visa Funding for New Faculty	\$4,500
Off-Scale Increases	\$55,000
Other Support to Departments (Administrative Stipends, GAEL, Faculty Awards, Chair Support, IUC)	<u>\$1,194,526</u>
TOTAL RECURRING EXPENDITURES TO DEPARTMENTS	\$25,312,970

DEAN'S OFFICE RECURRING EXPENDITURES	AMOUNT	FTE
1. Undergraduate Office	\$ 1,561,495	11.80
2. Shared Services – HR / Payroll & Accounts Payable	\$ 1,253,857	12.84
3. Information Technology	\$ 2,189,914	9.75
4. Dean's Office – Administration	\$ 1,483,810	6.15
5. Development	\$ 1,451,534	9.00
6. Research and Graduate Studies	\$ 304,624	1.75
7. Facilities	\$ 710,505	3.75
7A. Student Design Center	\$ 606,118	4.00
8. Administrative Support	\$ 310,757	3.00
9. Marketing and Communications	\$ 774,144	5.50
10. Center for Nano and Micro Manufacturing	\$ 1,199,235	5.20
11. Student Startup Center	\$ 380,656	2.00
12. Leadership in Engineering Advancement, Diversity and Retention (LEADR)	\$ 76,000	-
Misc operating expenses	\$ 348,884	
TOTAL RECURRING EXPENSES IN DEAN'S OFFICE	\$ 12,651,531	74.74

ONE TIME OR LIMITED TIME EXPENSES (KNOWN)

Cost Sharing/Matching/Bridging from Graduate Funds	\$280,652
Cost Sharing/Matching/Bridging from other Dean's Office Funds	\$176,248
Spafford lease	\$787,000
Various renovations	\$580,000
Gift allocations (Chevron to other units)	\$583,590
Miscellaneous expenses	\$150,000
Start Up Likely to be Paid Out in 2019-20	\$2,856,539

TOTAL ONE TIME OR LIMITED TIME EXPENSES

\$5,414,029

TOTAL EXPENDITURES

\$45,895,781

PROJECTED BALANCE 6/30/2020

\$6,021,913

SUMMARY FY 2019-20

<u>2019-20 PROJECTED SOURCES</u>	AMOUNT	<u>TOTAL</u>	<u>AMOUNT FOR STRUCTURAL (-) or +</u>
PRIOR YEAR CARRYFORWARD	\$ 7,249,613		\$ 7,249,613
TOTAL BASE & RECURRING FUNDING	\$ 40,675,152		\$ 40,675,152
TOTAL ONE TIME OR LIMITED TIME SOURCES	\$ 3,992,929		\$ 3,992,929
TOTAL SOURCES AVAILABLE FOR 2018-19		\$51,917,694	\$ 40,675,152
<u>2019-20 PROJECTED EXPENDITURES</u>			
TOTAL RECURRING EXPENSES TO OTHER CAMPUS UNITS	\$ 2,517,250		\$ 2,517,250
TOTAL RECURRING EXPENSES TO DEPARTMENTS	\$ 25,312,970		\$ 25,312,970
DEAN'S OFFICE OPERATIONAL UNITS/OTHER OPERATING	\$ 12,651,532		\$ 12,651,532
ONE-TIME OR LIMITED TIME EXPENSE (FIRM COMMITMENTS)	\$ 5,414,029		\$ 5,414,029
OTHER RECURRING COMMITMENTS			\$
TOTAL EXPENDITURES		\$45,895,781	\$ 40,481,752
PROJECTED CARRYFORWARD BALANCE		\$6,021,913	
STRUCTURAL (DEFICIT) SURPLUS			\$ 22 193,400

CARRYFORWARD BALANCES

DESCRIPTION	FY 2016-17 As of July 1, 2016	FY 2017-18 As of July 1, 2017	FY 2018-19 As of July 1, 2018	Projected FY 19-20 As of July 1, 2019
DEAN'S OFFICE	\$7.8M	\$5.9M	\$6.9M	\$7.2M
	19%	16%	18%	19%
DEPARTMENTS	\$9.6M	\$8M	\$9.5M	\$9M
	23%	21%	25%	24%
FACULTY	\$23.6M	\$24M	\$22M	\$21M
	58%	63%	57%	57%
TOTAL	\$40.9M	\$38M	\$38.4M	\$37.2M

Comments:

FY 2018-19:

\$1.5M (note: some of the capital project donations have gone into an investment pool)

*Dean's Office Capital projects
Dean's Office (Other restricted
Gifts/Endowments: Fellowships, Endowed
Professorships, etc.)*

\$1.8M

*Dean's office carryforward balance of \$6.9M : \$861K (CITRIS, ADVANCE)
\$3.3M gifts/endowments
\$9.2M for Faculty start up obligations*

Departmental carryforward of \$9.5M: \$3.5M for Faculty Start Up

Faculty carryforward of \$22M: \$5.3M in Faculty Start Up Accounts

Indirect Cost Return

<u>Fiscal Year</u>	<u>Campus %</u>	<u>COE %</u>	<u>Dept %</u>	<u>PI %</u>
FY 16-17 (Baseline - before FY 17-18 distribution change)	63.00%	25.00%	10.00%	2.00%
FY 17-18 (COE absorbed entire 3% reduction)	66.00%	22.00%	10.00%	2.00%
FY 18-19	66.00%	22.86%	9.14%	2.00%
FY 19-20	68.00%	21.43%	8.57%	2.00%
FY 20-21	70.00%	20.00%	8.00%	2.00%

Where Has the Money Gone?

- Source: Budget Augment: \$7.90M
- Expense: \$1.89M Added Benefits
- Expense: \$0.98M Added TA Support to Depts.
- Expense: \$1.15M Added Staff

- Remaining: \$3.88M
- Expense: 31 Net New Faculty
Off-Scale Increases
Taxes Increase

New Permanent Staff

- 5 Development Staff = \$450K
- 2 Safety and Facilities = \$210K
- 1.5 Student Startup Center = \$150K
- 1.5 Writer and Events = \$100K
- 2 Dean Admin = \$105K
- 2.5 CS Staff, CS Advisor (in EUO) and Staff CHE/MSE = \$135K

3. Long-Term Financial Sustainable Strategies

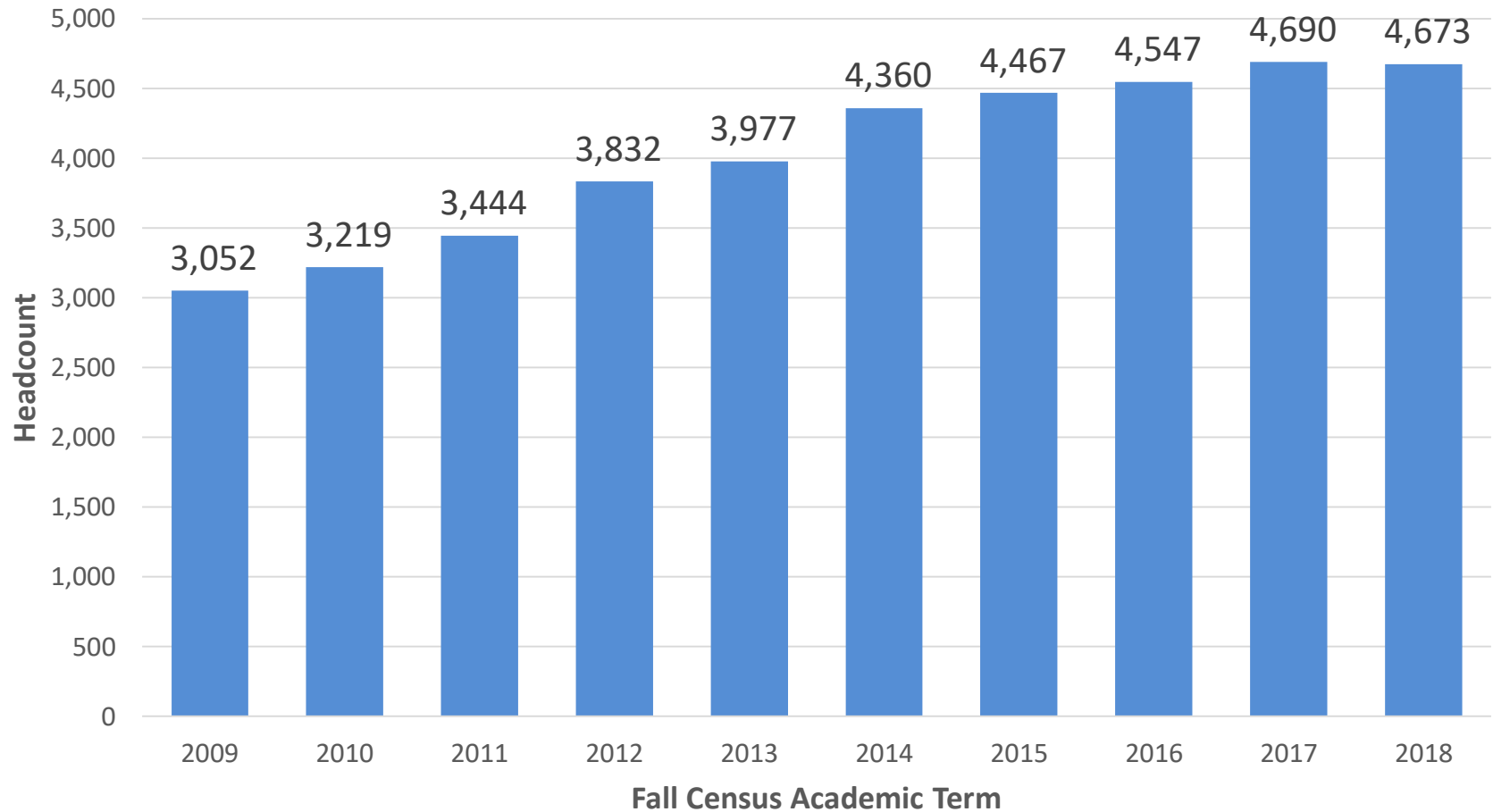
Sources of Funding

- Fundraising
 - Pays for programmatic support (undergrad office, startup center, LEADR), renovations, graduate fellowships, UG lab equipment, etc.
- Participate in Master's Enrollment Incentive Program
 - Each non-resident MS will give \$9K to department (\$3K for resident)
 - Source of outstanding PhD students
 - Self-paying, Non-thesis MS
- Distance Learning and Certificate Programs
- Increasing Research Activity generating ICR
- Increase SCH through a large enrollment general elective course like Design of Coffee
- Increase CNM2 revenue

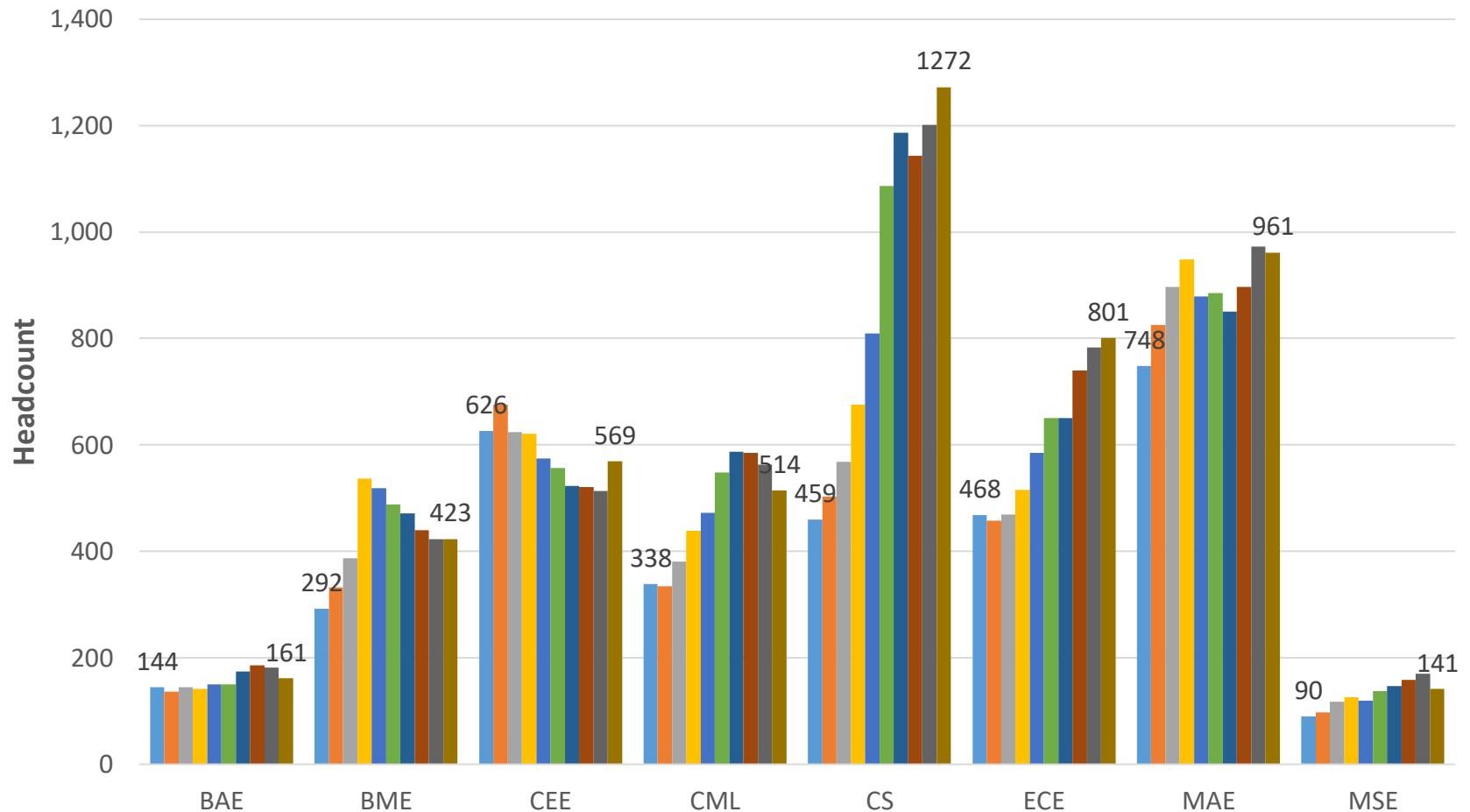
4. Faculty Perspective

5. Key Metrics

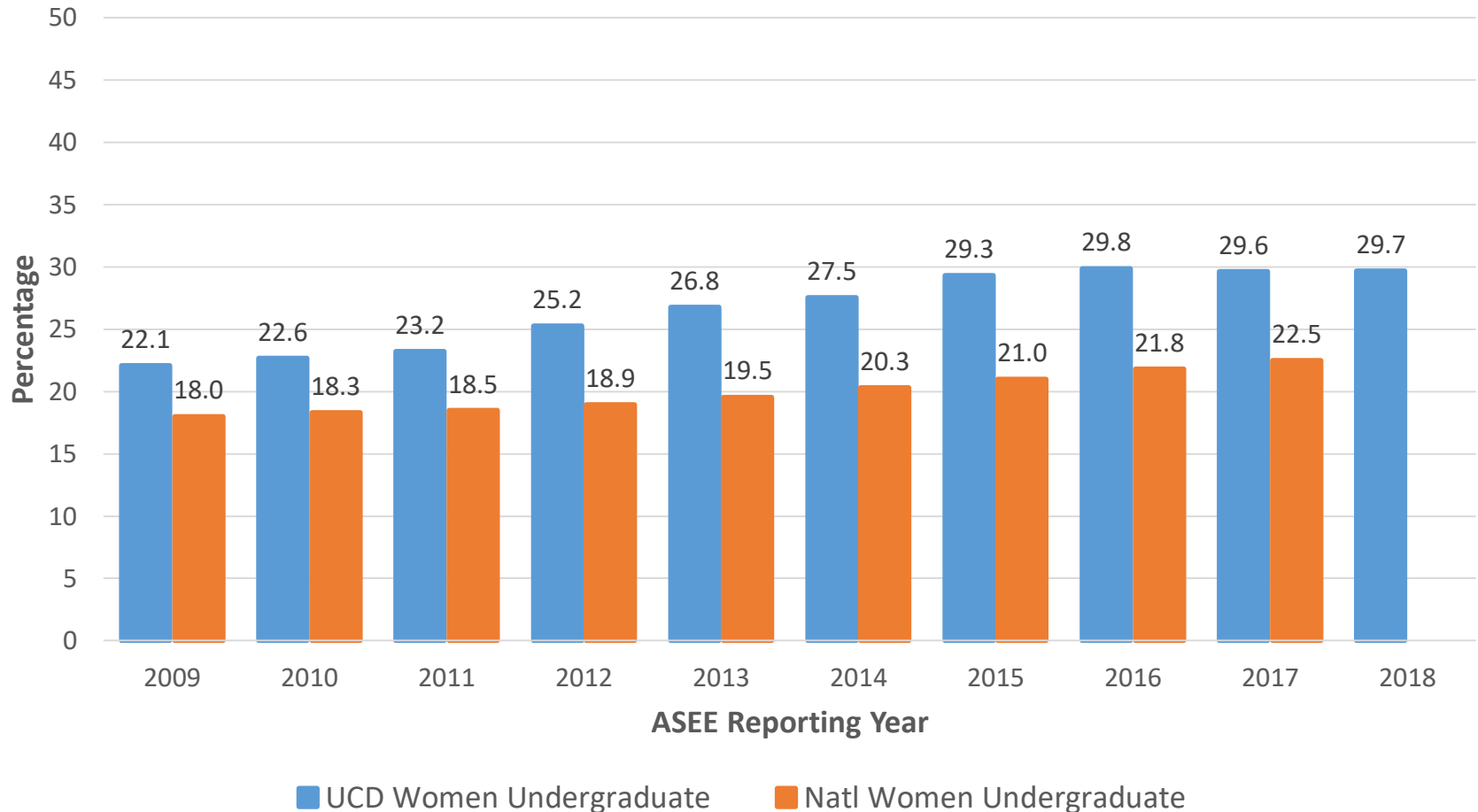
UG Enrollment: College of Engineering



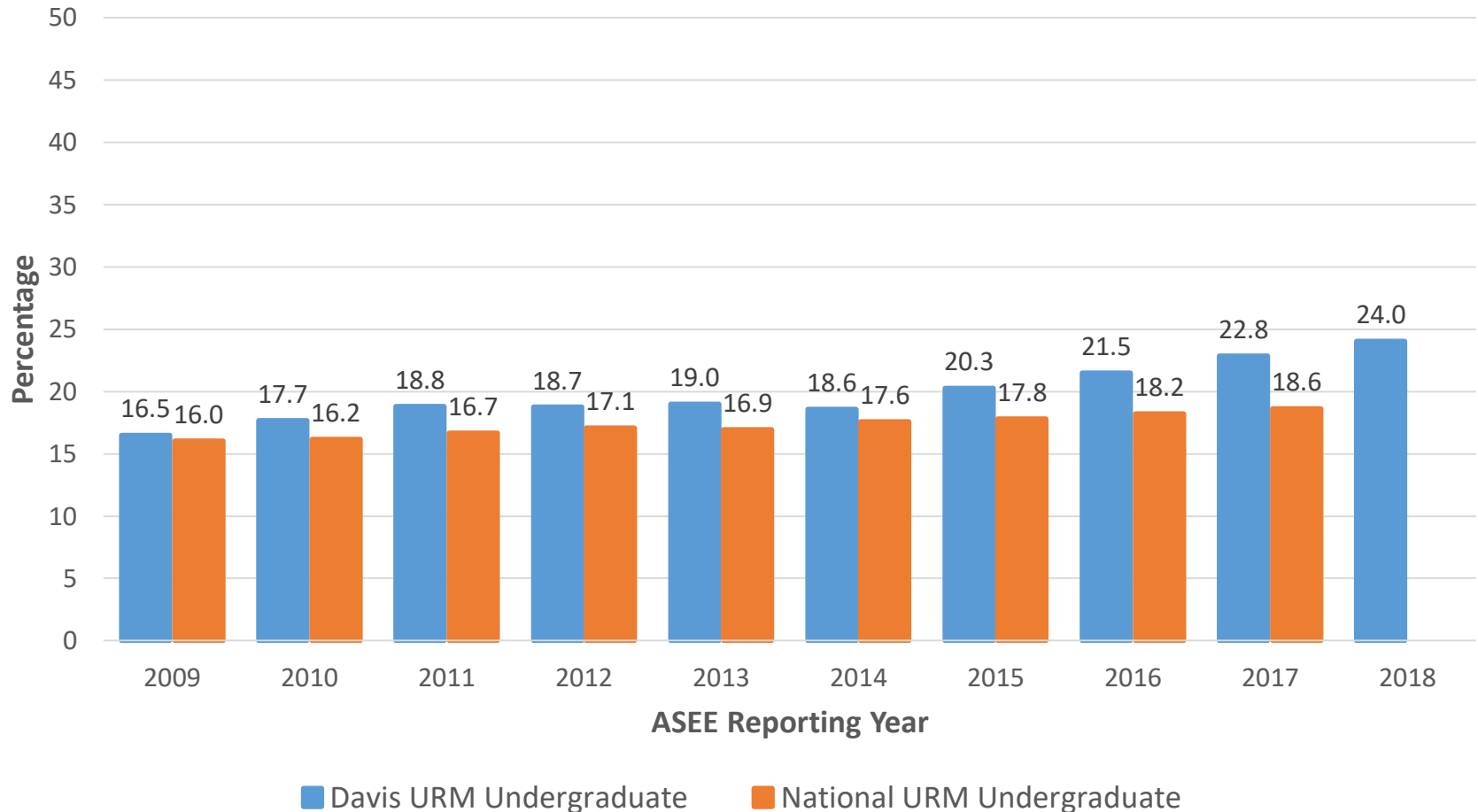
UG Enrollment 10-yr Trend: Department



UG Enrollment: Women

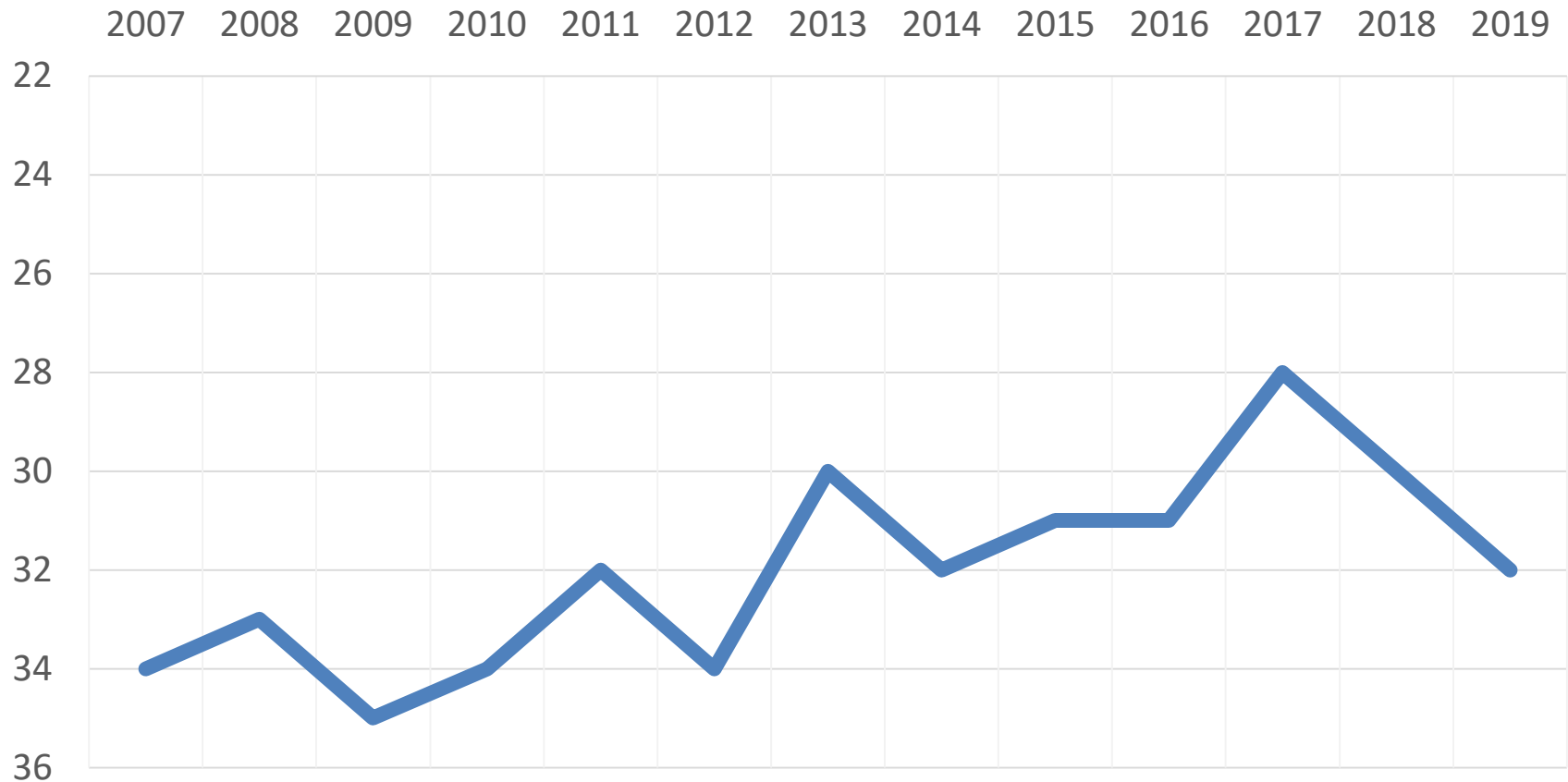


UG Enrollment: Underrepresented Minority (URM)

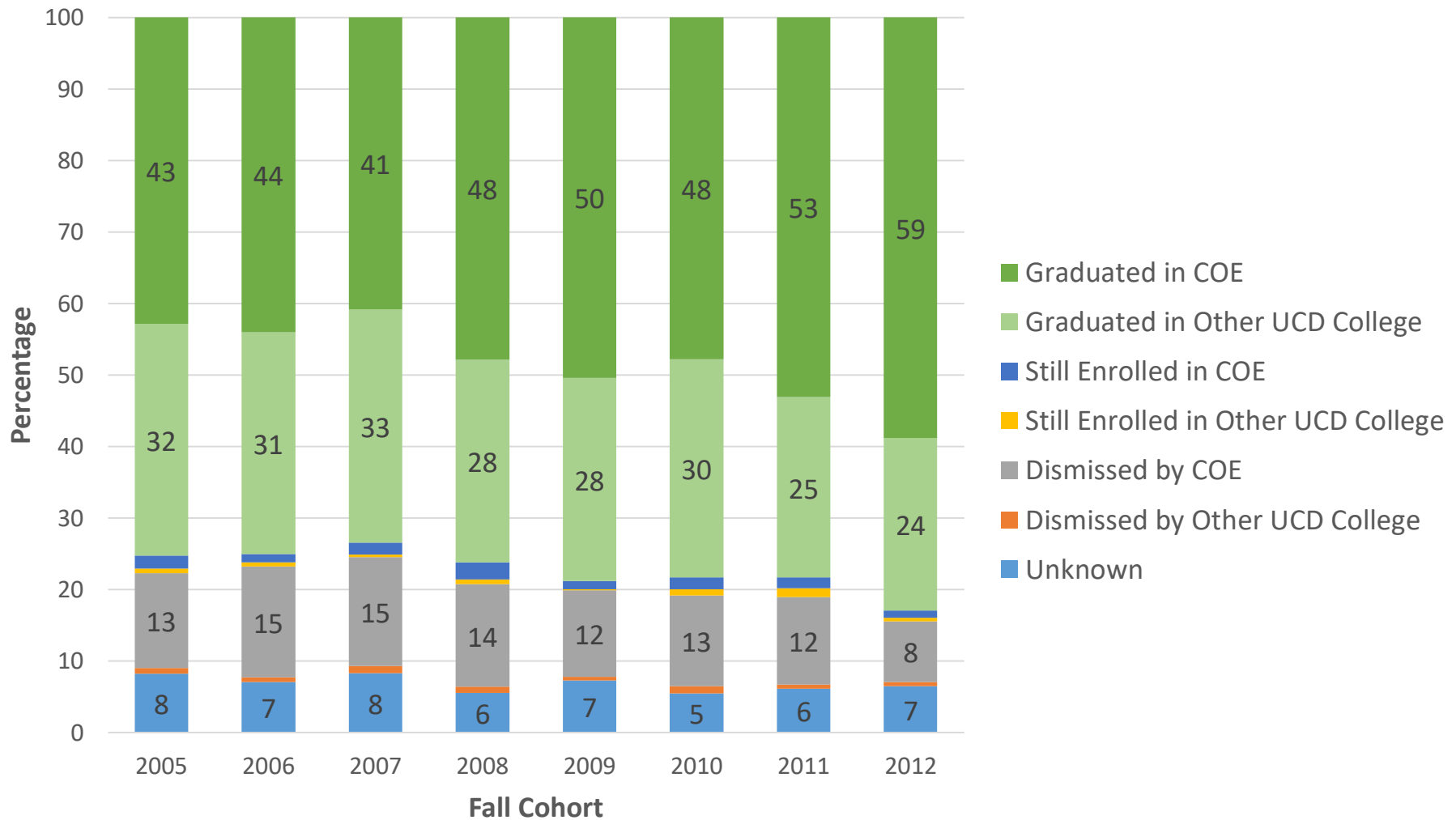


Undergraduate US News & World Report Ranking

USNWR Overall Best Undergraduate Engineering Ranking

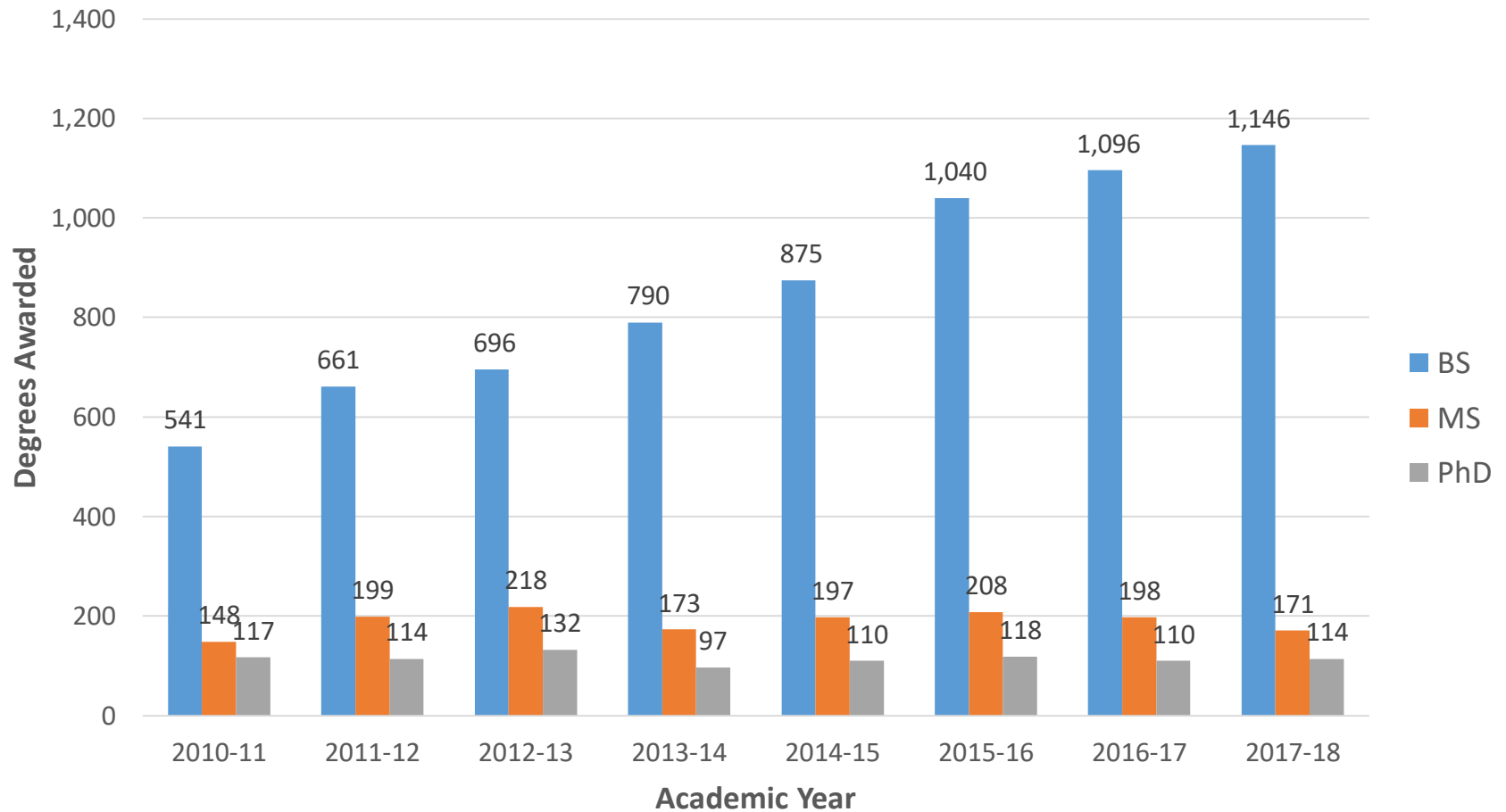


6-Year Graduation Rate for Freshmen Cohorts

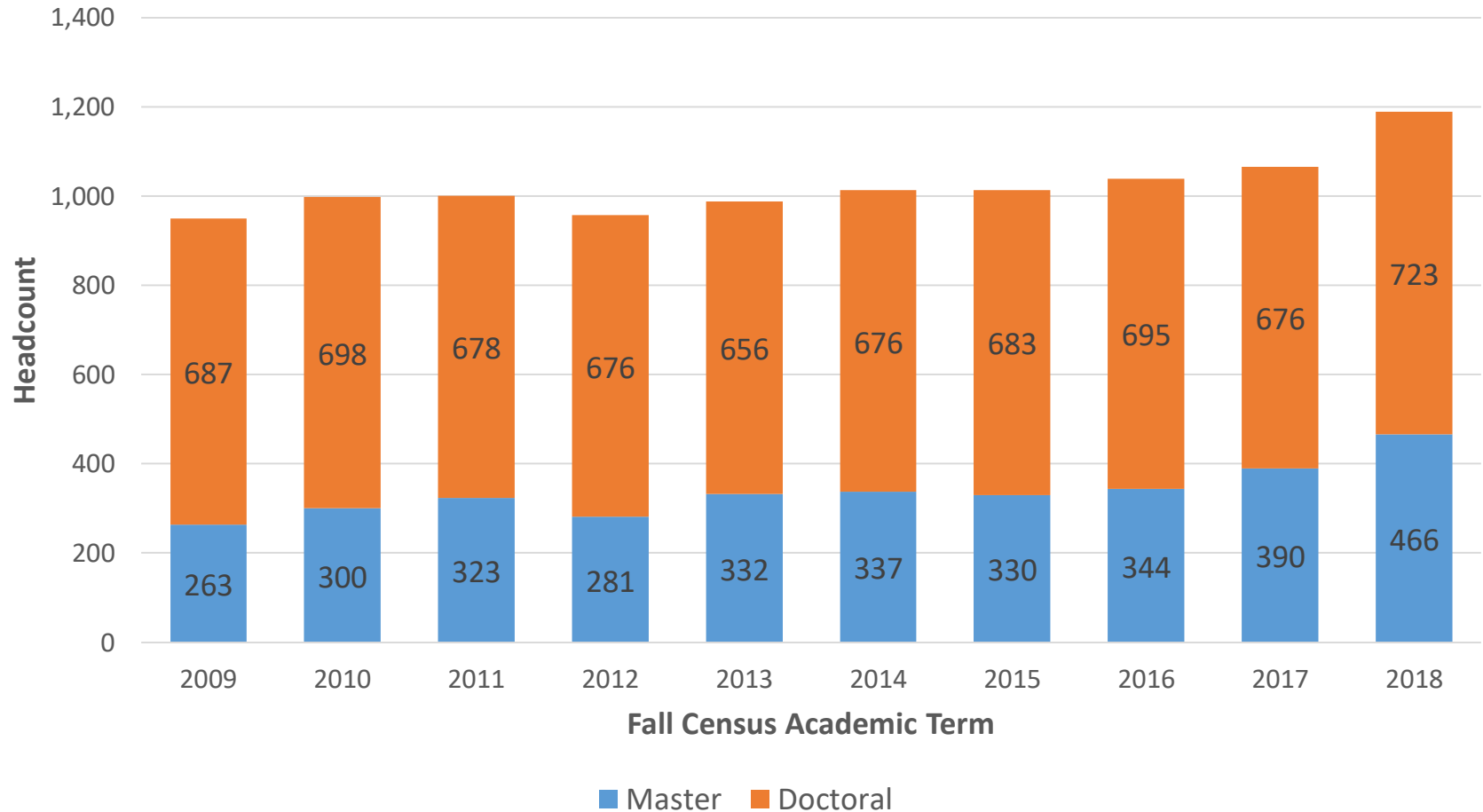


Number of Graduates

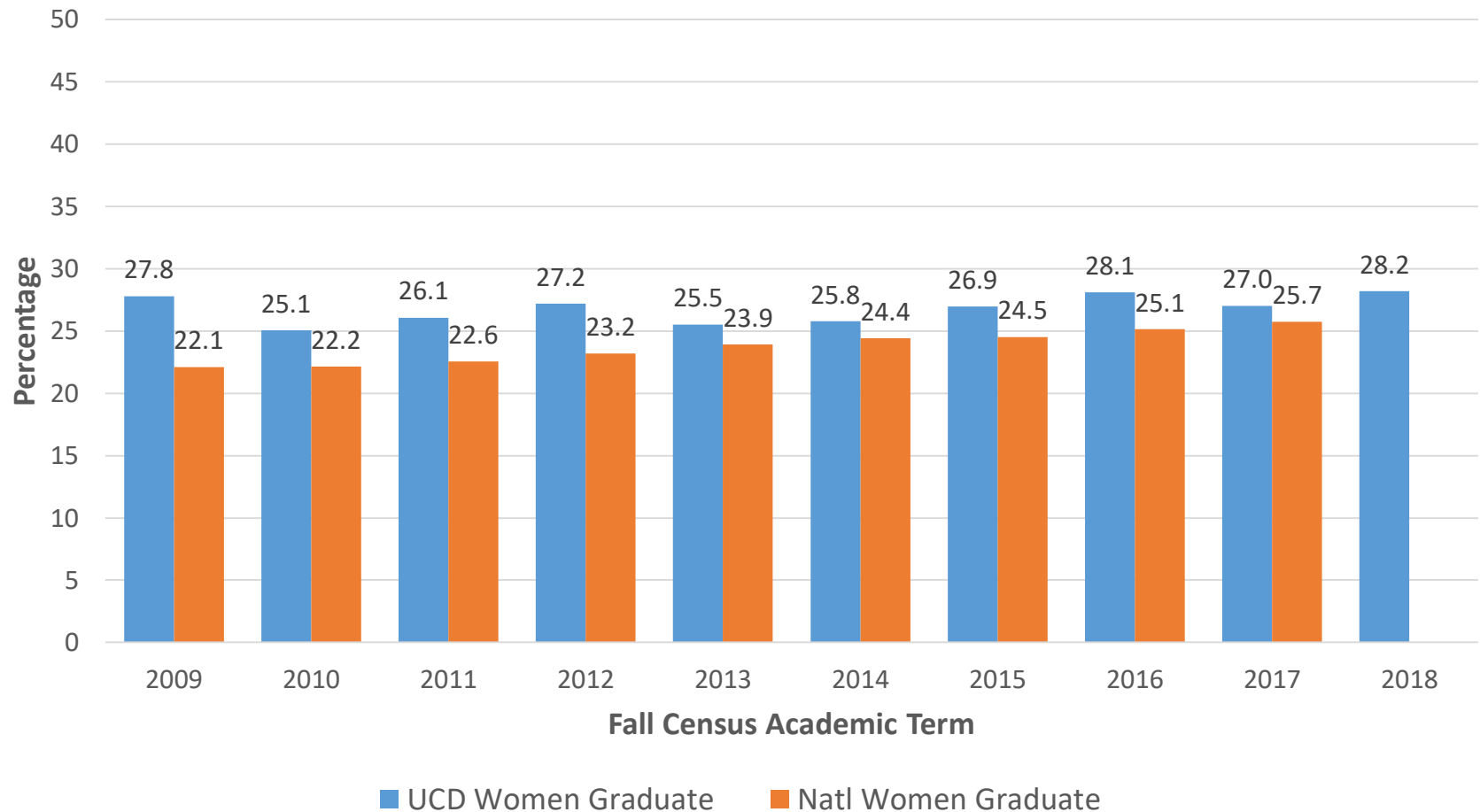
UG Mean Time to Degree = 4.12 years



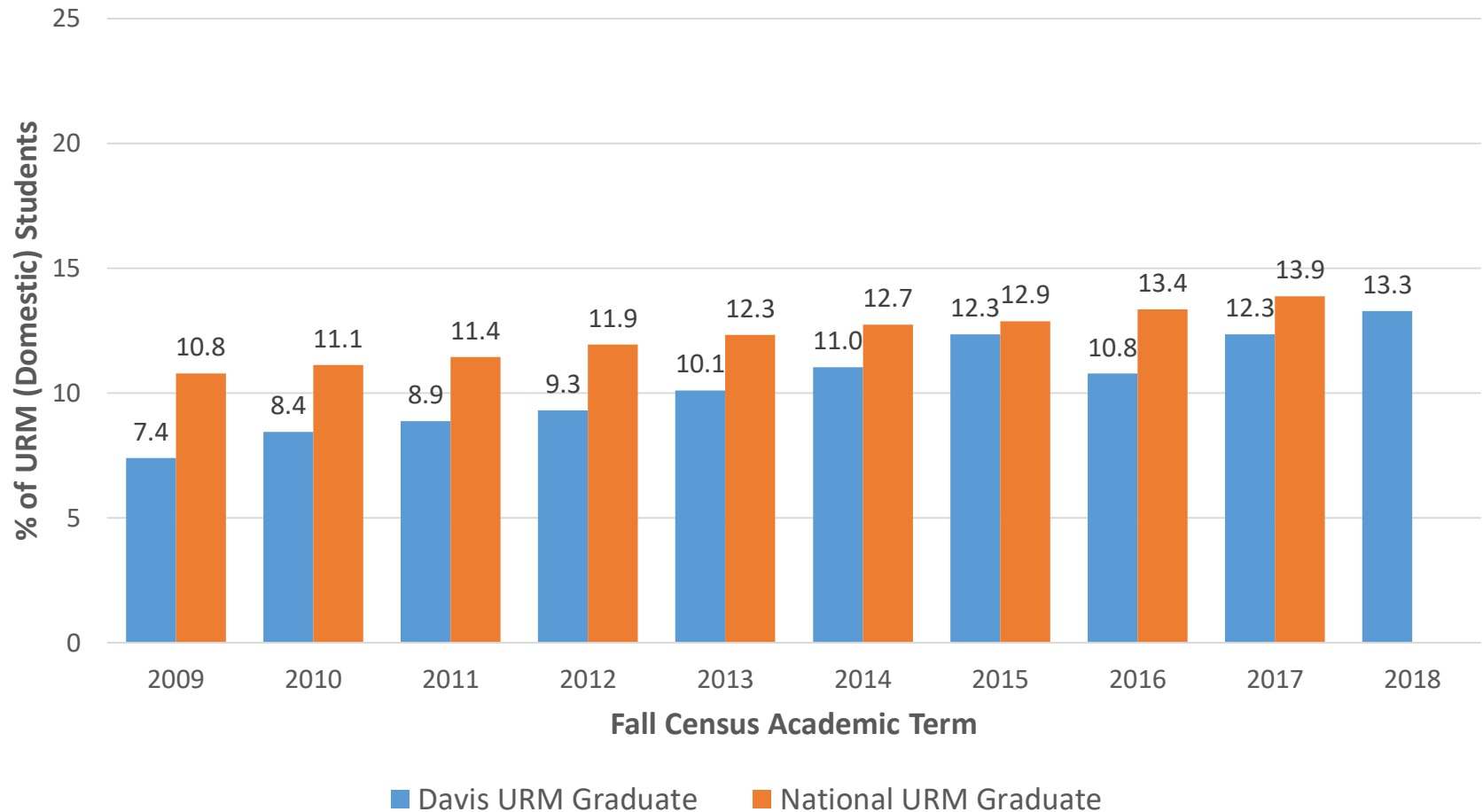
Graduate Enrollment: College of Engineering



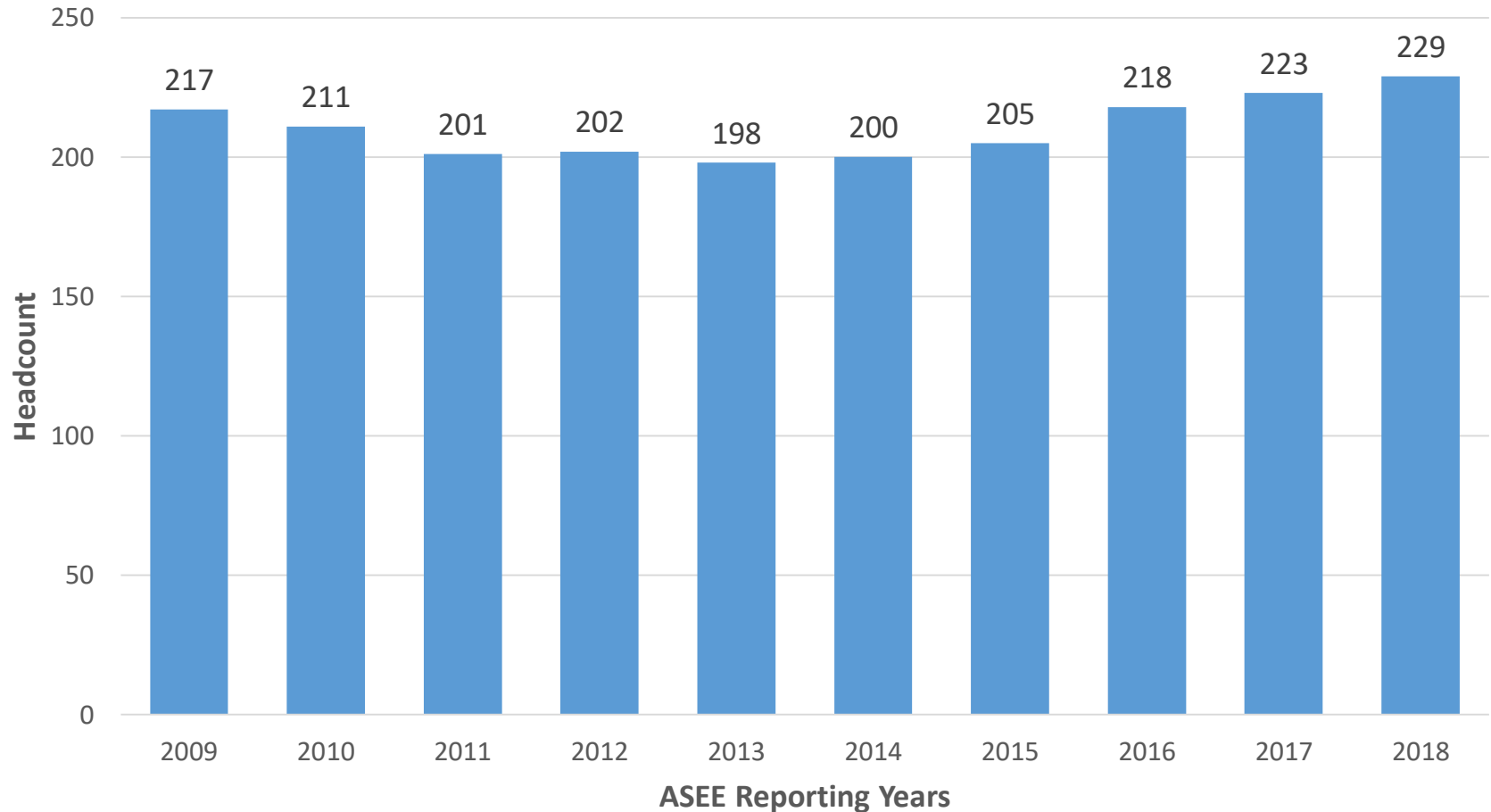
Graduate Enrollment: Women



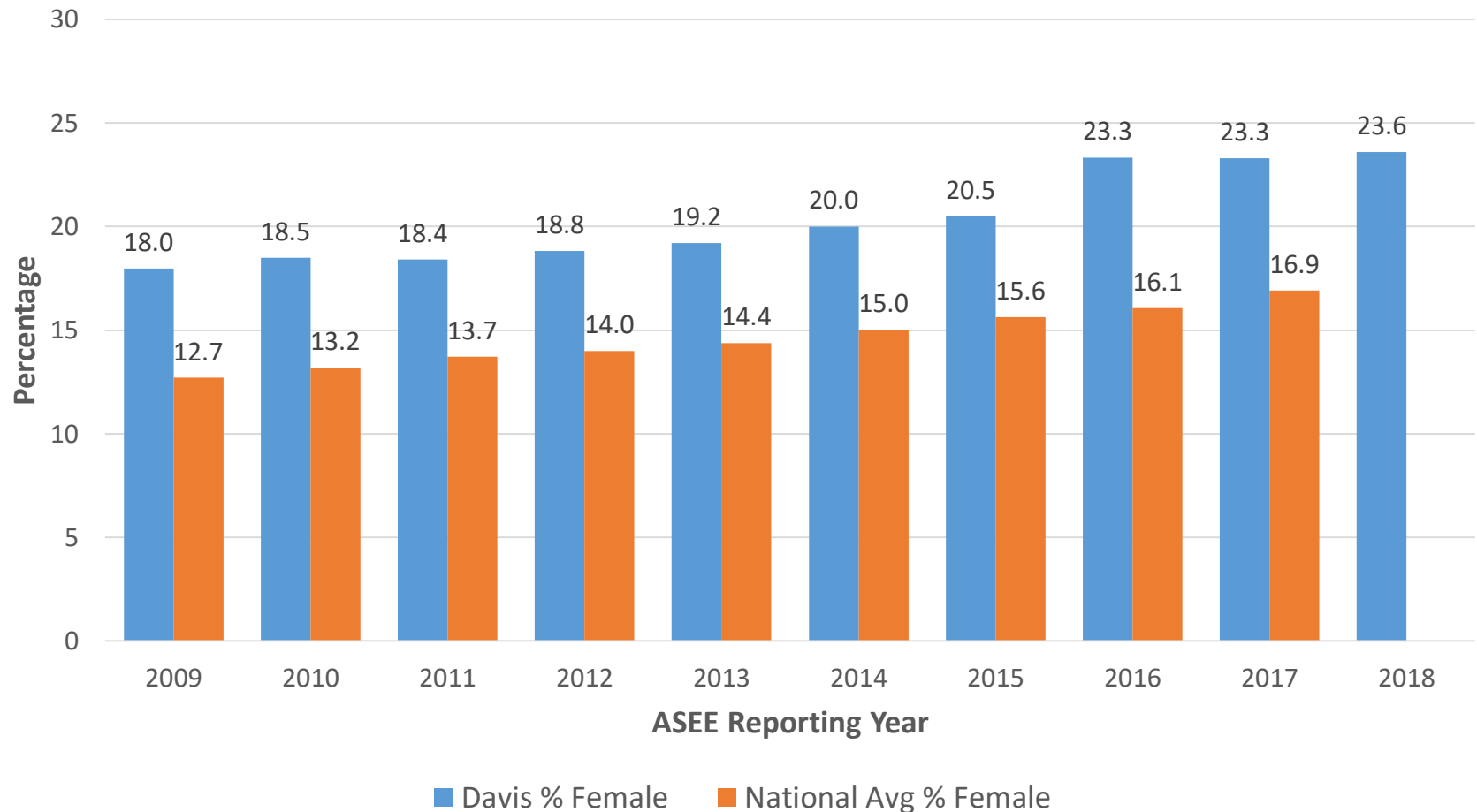
Graduate Enrollment: URM



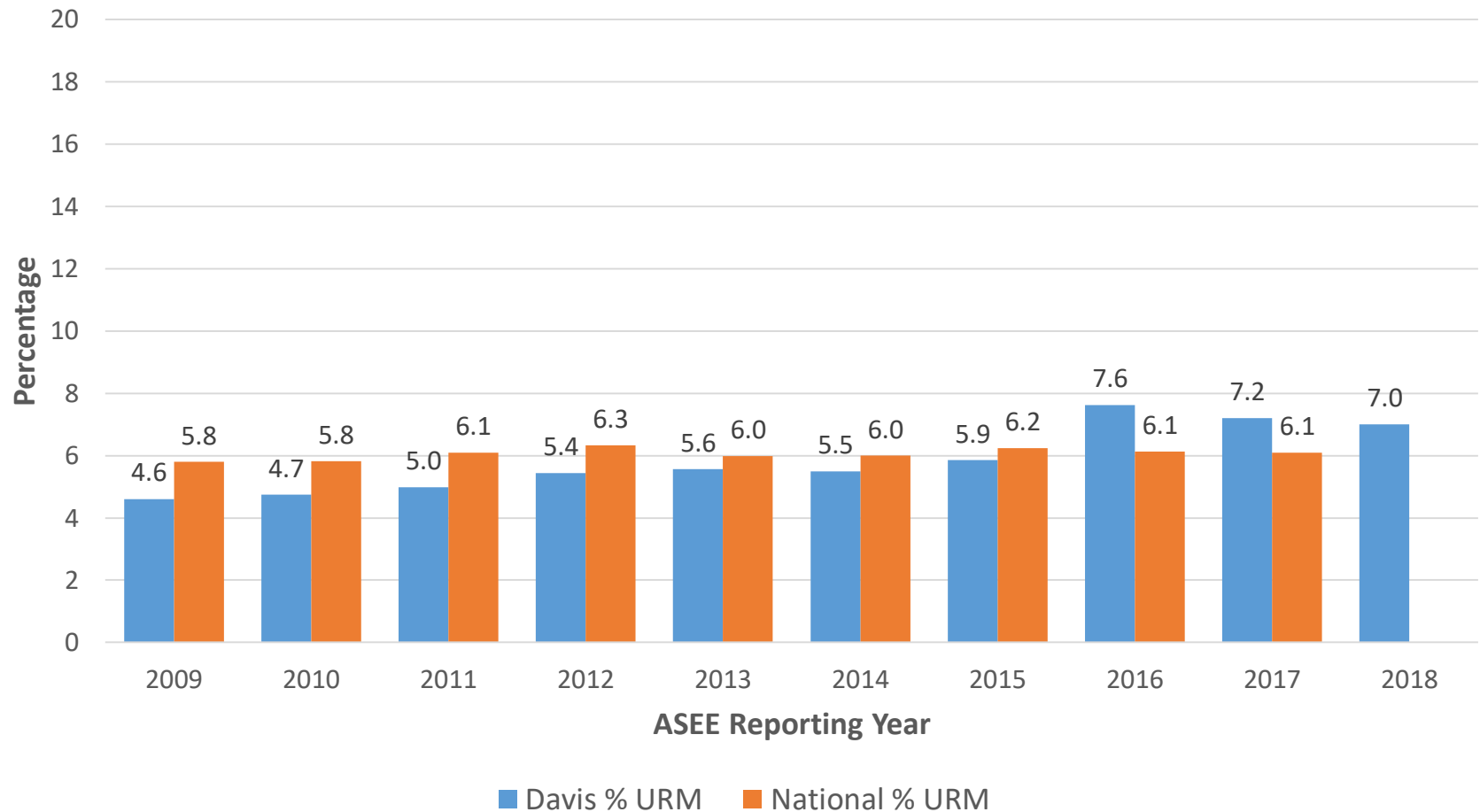
Faculty: COE Faculty Headcount



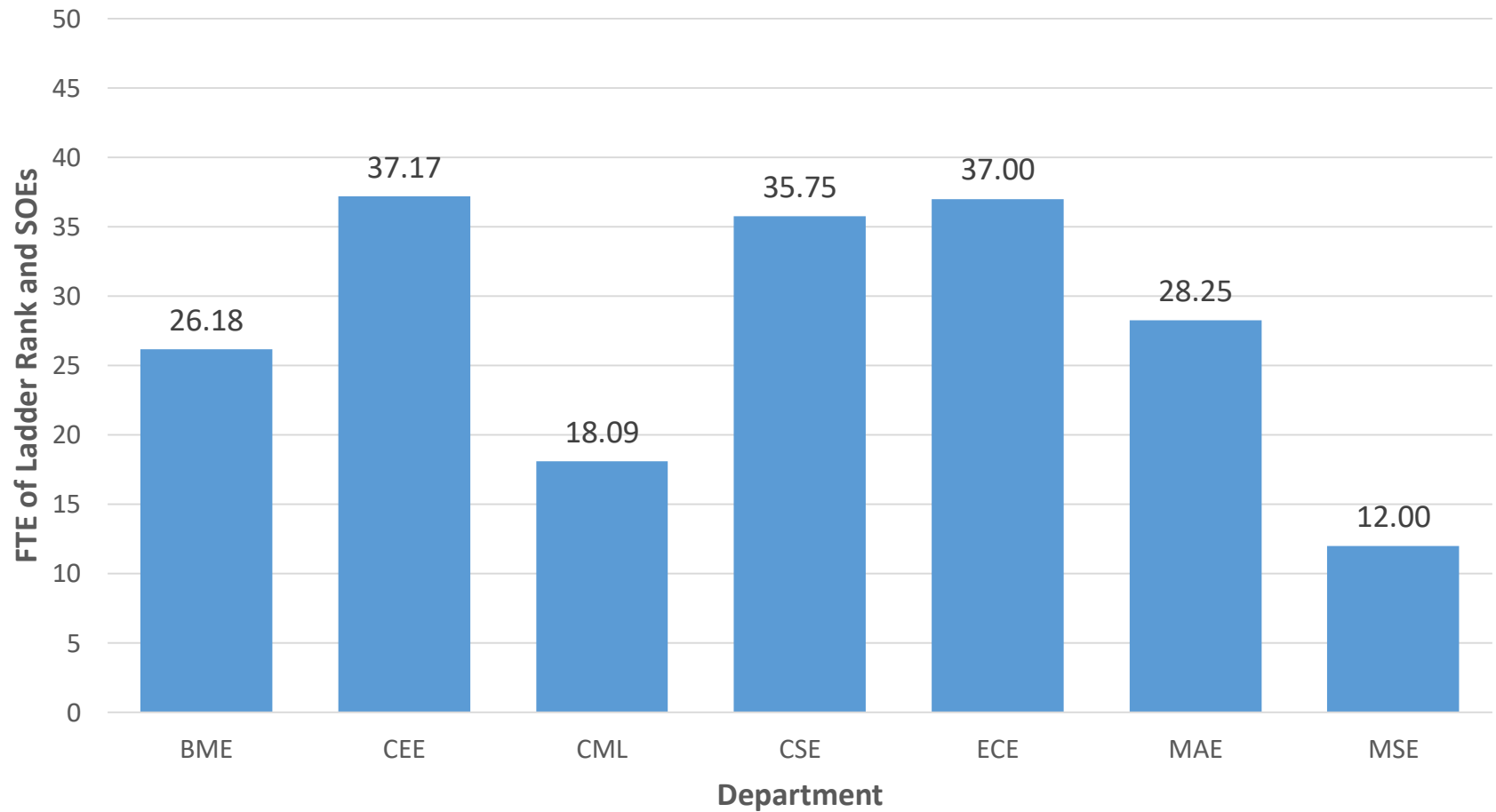
Faculty: Percentage of Women Faculty



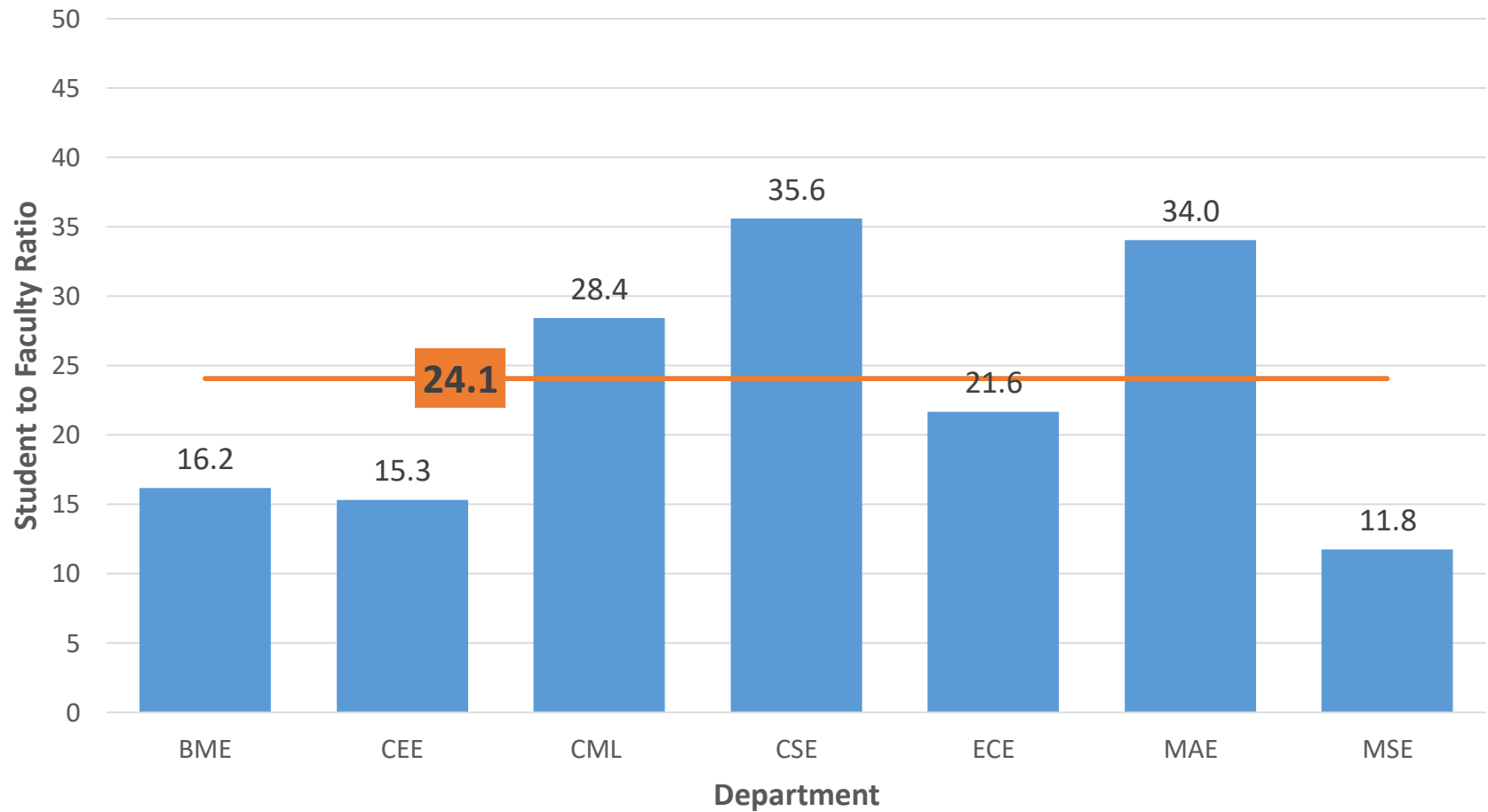
Faculty: Percentage of URM Faculty



Faculty FTEs for 2018-19 Fiscal Year



Student Faculty Ratio in Fall 2018



Student Faculty Ratio

• UC San Diego	26.2
• Maryland-College Park	24.8
• Wisconsin-Madison	23.3
• UCLA	22.2
• UC Berkeley	21.8
• UC Davis	21.5
• Univ. of Virginia	19.9
• UI-Urban-Champaign	19.8
• U Washington-Seattle	19.4
• Georgia Tech	18.0
• Cornell	13.6
• UC Santa Barbara	11.0

Source: ASEE Online Profiles- 2018

US News and WR Department Rankings

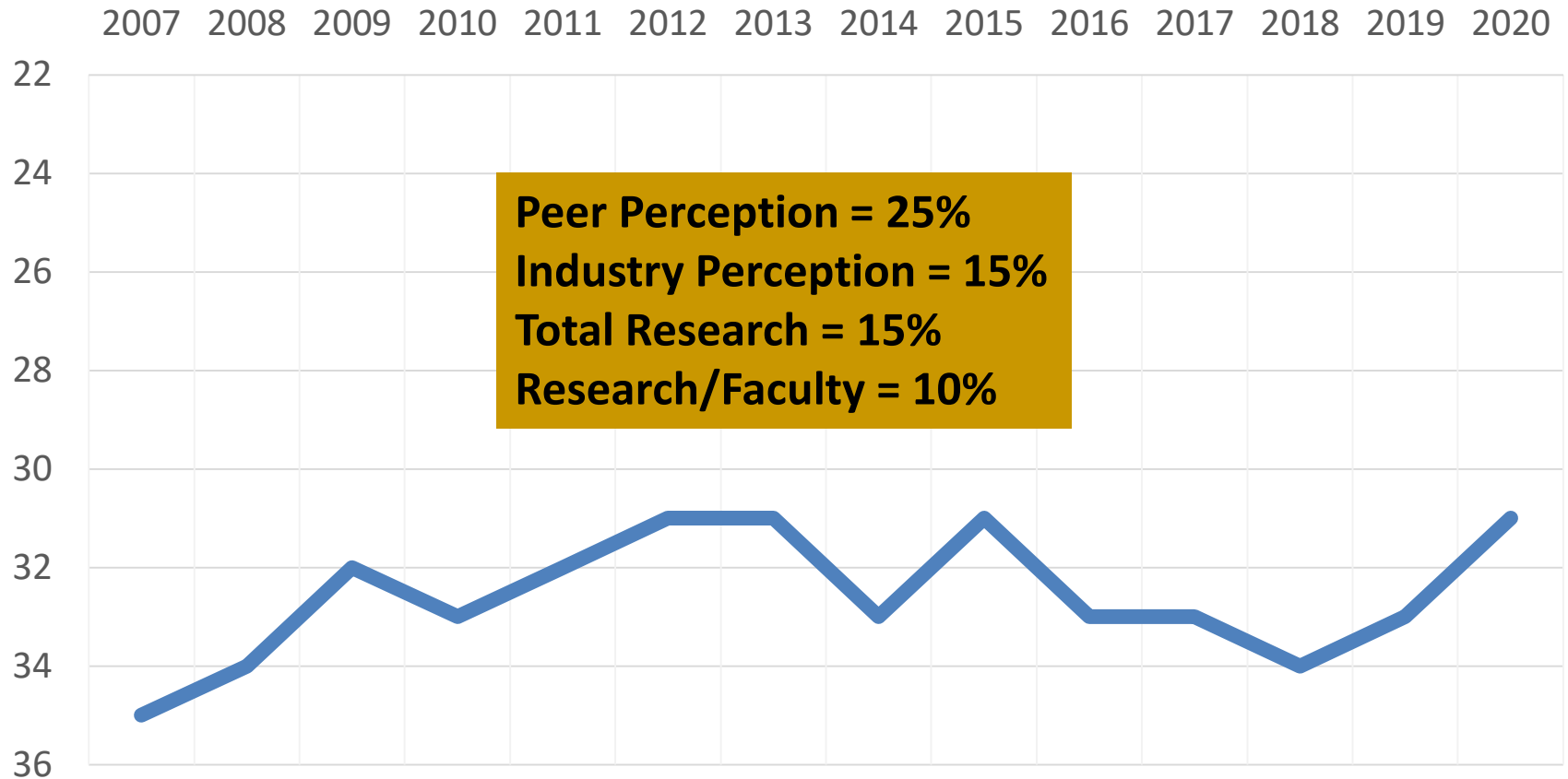
Programs and Specialties	2020 Rank	2020 Score	2019 Rank	2019 Score	2018 Rank	2018 Score
Biological/Agricultural Engineering	3	4.1	7	3.9	8	3.8
Civil Engineering	11	3.9	11	3.8	12	3.8
Environmental Engineering	14	3.6	13	3.5	15	3.4
Materials Engineering	26	3.2	30	2.9	35	2.8
Chemical Engineering	29	3.2	30	3.1	25	3.2
Electrical/Communications Engineering	35	3.4	35	3.3	42	3.1
Computer Engineering	34	3.3	31	3.2	36	3.2
Aero/Astronautical Engineering	29	2.8	23	2.9	23	3.2
Biomedical Engineering/Bioengineering	24	3.6	21	3.6	25	3.3
Mechanical Engineering	37	3.2	35	3.2	36	3.1

Highest Ranked

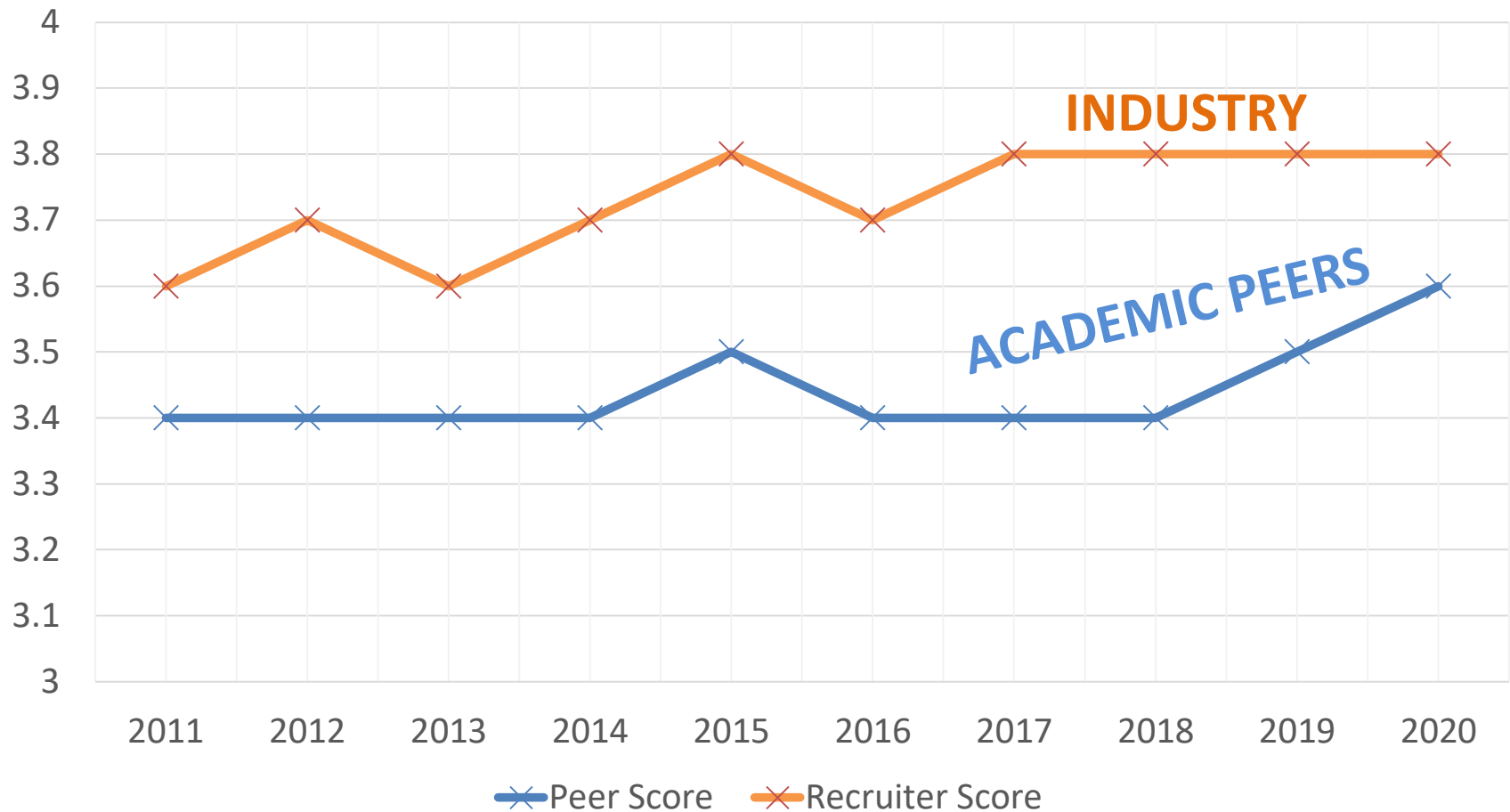
Biggest Gains

Graduate US News & World Report Ranking

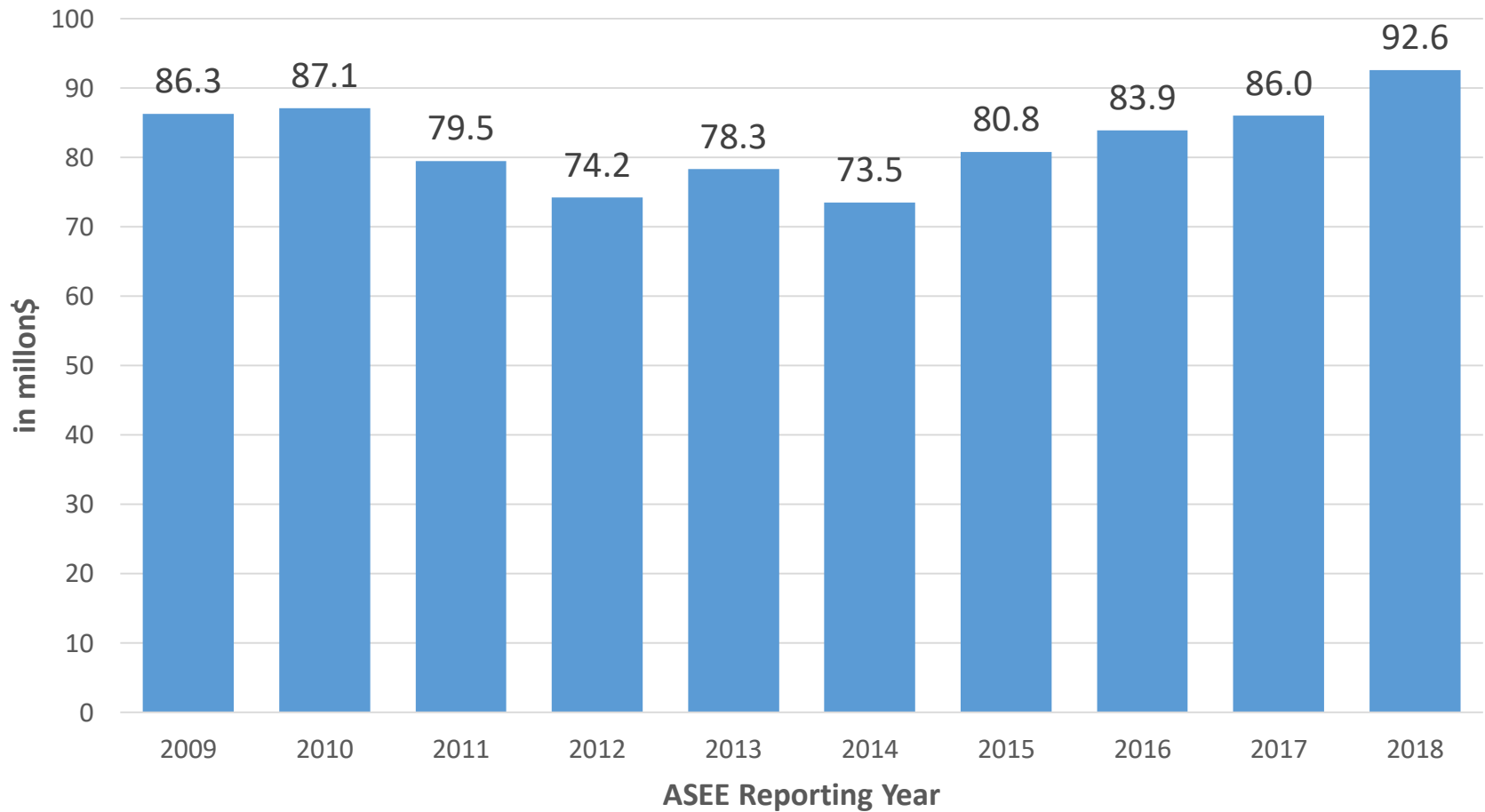
USNWR Overall Best Graduate Engineering Ranking



Graduate US News & World Report Ranking



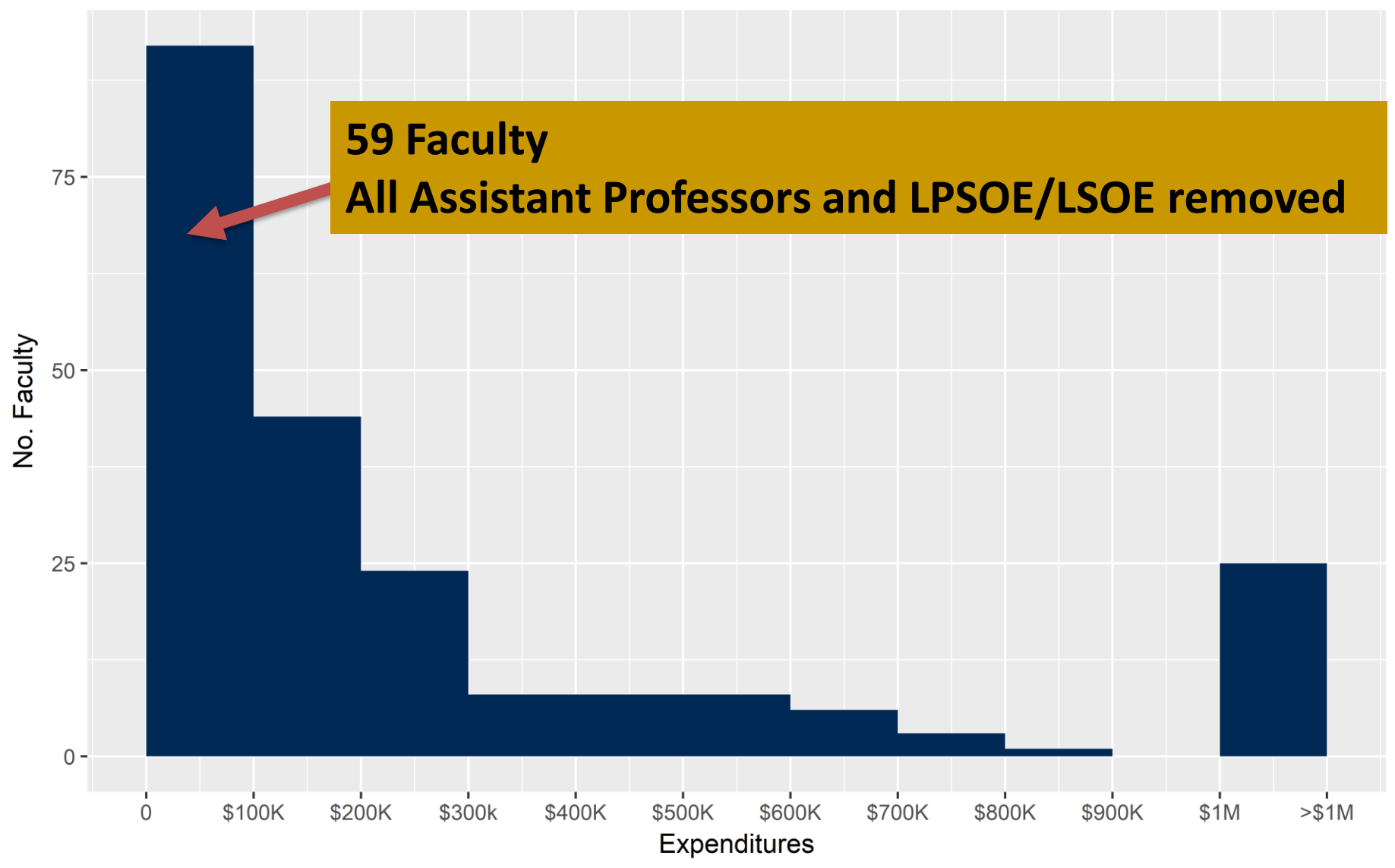
Research Expenditures (in million\$)



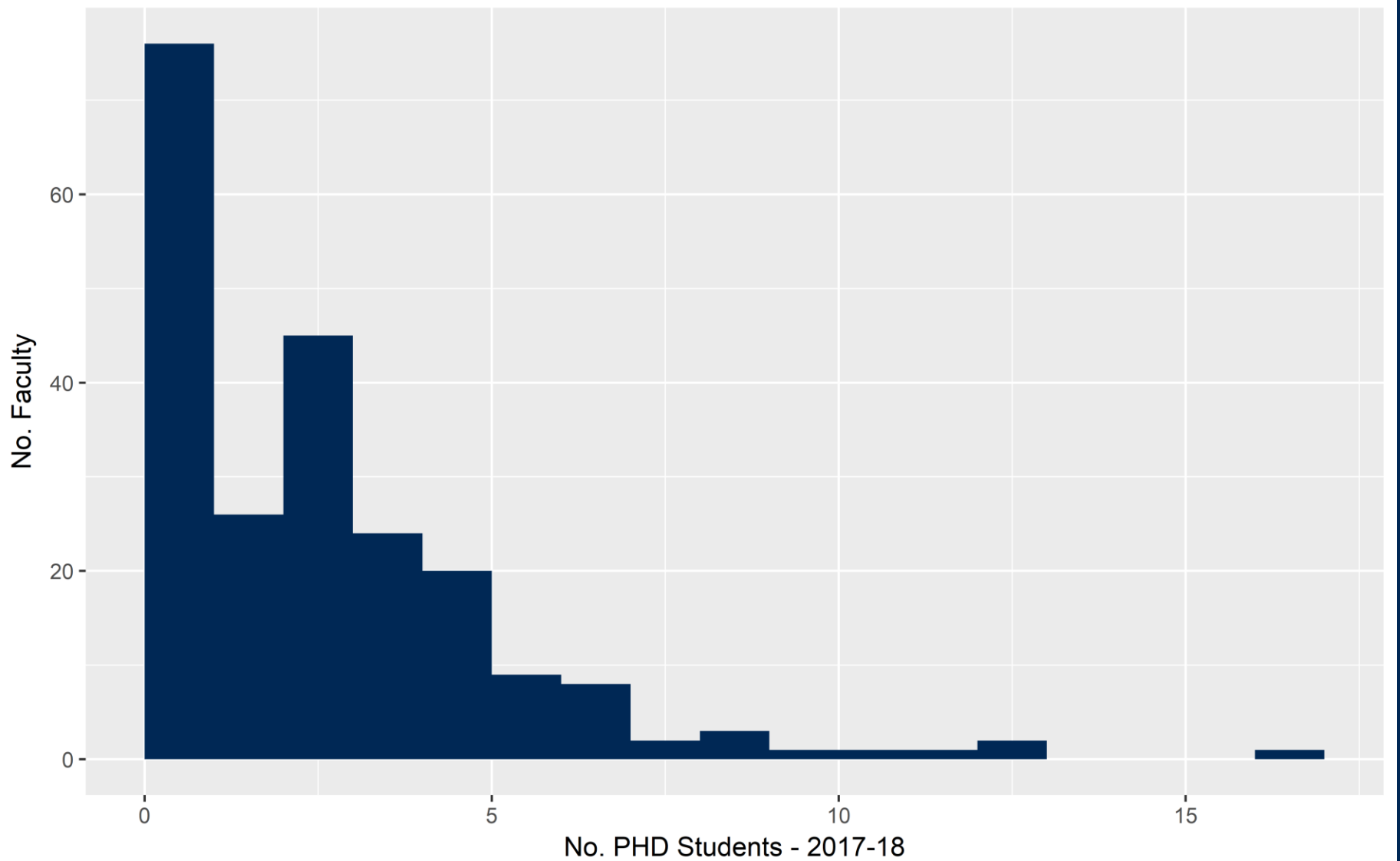
Best Graduate Engineering Overall RANKINGS

1	Massachusetts Institute of Technology	17	University of Pennsylvania
2	Stanford University (CA)	20	Northwestern University (McCormick) (IL)
3	University of California--Berkeley	21	Harvard University (MA)
4	Carnegie Mellon University (PA)	22	University of Maryland--College Park (Clark)
5	California Institute of Technology	22	University of Wisconsin--Madison
5	University of Michigan--Ann Arbor	24	Duke University (Pratt) (NC)
7	Georgia Institute of Technology	24	North Carolina State University
8	Purdue University--West Lafayette (IN)	24	University of California--Santa Barbara
9	University of Southern California (Viterbi)	27	Ohio State University
10	University of Illinois--Urbana-Champaign	27	Rice University (Brown) (TX)
11	Columbia University (Fu Foundation) (NY)	27	University of Minnesota--Twin Cities
11	University of California--San Diego (Jacobs)	27	University of Washington
11	University of Texas--Austin (Cockrell)	31	University of California--Davis
14	Cornell University (NY)	31	University of Colorado--Boulder
15	Texas A&M University--College Station	31	Virginia Tech
16	University of California--Los Angeles (Samueli)		
17	Johns Hopkins University (Whiting) (MD)		
17	Princeton University (NJ)		

Expenditures Per Faculty



PhDs Per Faculty



COE Dean's Office Supplementary Information

Engineering Undergraduate Office

- Salary = \$ 959,434
- Benefits = \$ 438,904
- Expenses = \$ 163,157
- Total = \$ 1,561,495

FTE = 11.80

- Ralph Aldredge, Associate Dean (0.80 FTE)
- David Spight
- Mayra Zamora
- Mary Ramirez
- Tanya Culliver-Whitlow
- Jordan Dade
- Lisa Laughter
- Shadaya Litt (contract)
- Nancy Davis
- Laura Hackett
- Natasha Coulter
- Lili Mirshahzadeh (contract)

Engineering Shared Services

HR/Payroll and Purchasing

• Salary	=	\$ 556,426
• AUSS-C	=	\$ 402,900
• Benefits	=	\$ 282,292
• Expenses	=	\$ 12,239
• Total	=	\$ 1,253,857

FTE = 12.84

- AUSS-C 4.74 (1,422 head count / 300 = 4.74 FTE X \$85,000 = \$402,900)
- Melanie Christensen
- Denise Bray
- Pia Flory
- Irma Cerna
- Kathy Sanchez
- Gisele Morris
- Jill Kessler
- Norma Andrade
- Jeff Adams (.10 FTE)
- Meshell Louderman (stipend)
- Susan Lopez (stipend)

Information Technology

• Salary	= \$ 1,128,444
• Benefits	= \$ 537,376
• Expenses	= \$ 524,094
• Total	= \$ 2,189,914

FTE = 9.75

- Steve Pigg – Executive Director
- Bryan Donnelly
- Dean Bunn
- Heidi Arnold (retiring June 30, 2019)
- Jason Fearing
- Ben Clark
- John Kralik
- Miriam McDonald
- Eric Peters
- Eric Blosch (.75 FTE – MOU funded by ITS)

Dean's Office Administration

- Salary = \$ 1,112,061
- Benefits = \$ 302,632
- Expenses = \$ 43,757
- Total = \$ 1,458,450

FTE = 6.15

- Jennifer Curtis, Dean
- Alyssa Panitch, Associate Dean (.65 FTE)
- Jessie Catacutan, Assistant Dean
- Manju Kaul
- De Doan
- Director of Safety (vacant)
- Kurt Kornbluth (.50 FTE Student Design Center – Faculty Champion)

Development

- Salary = \$ 891,574
- Benefits = \$ 360,486
- Expenses = \$ 199,474
- Total = \$ 1,451,534

FTE = 9.0

- Leigh Ann Hartman, Assistant Dean
- Senior Director (vacant)
- Alison Metzger-Jones
- Sarah Hodge
- Janel Alpert
- Lamia Hajani
- Lizzy Drake
- Director of Corporate Relations (vacant)
- Associate Director (vacant)

Research and Graduate Studies

- Salary = \$ 212,639
- Benefits = \$ 65,649
- Expenses = \$ 26,336
- Total = \$ 304,624

FTE = 1.75

- Ricardo Castro, Associate Dean (0.75 FTE)
- Alin Wakefield (1.00 FTE)

Facilities

- Salary = \$ 462,099
- Benefits = \$ 176,623
- Expenses = \$ 71,783
- Total = \$ 710,505

FTE = 3.75

- Roland Faller, Associate Dean (0.75 FTE)
- Justin Hall
- Project Manager (vacant – 1.0 FTE)
- Stephani Shone (.75 FTE with Facilities & .25 FTE with Distance Learning Program)

Student Design Center

- Salary = \$ 383,879
- Benefits = \$ 170,286
- Expenses = \$ 51,953
- Total = \$ 606,118

FTE = 4.0

- Mike Akahori - Manager
- David Kehlet
- Shawn Malone
- Sherry Batin

Administrative Support

- Salary = \$ 200,698
- Benefits = \$ 102,355
- Expenses = \$ 7,704
- Total = \$ 310,757

FTE = 3.0

- Carrie Chown - Manager
- Elsa Rojas-Perez
- Ammy Martinez

Marketing and Communications

- Salary = \$ 413,905
- Benefits = \$ 175,906
- Expenses = \$ 184,333
- Dept funds = (\$30,000)
- Net Exp = \$ 744,144

FTE = 5.50

- Aditi Risbud Bartl - Director
- Rachel Furtado
- Francesca Ross
- Molly Bechtel
- Brady Oppenheim – department websites (.50 FTE – contract)
- Senior Writer – for departments (1.00 FTE – contract)

CNM2

Center for Nano and Micro Manufacturing

- Salary = \$ 520,587
- Benefits = \$ 238,275
- Expenses = \$ 440,373
- Total = \$ 1,199,235

FTE = 5.30

- Ryan Anderson - Manager
- Yusha Bey
- Chan Ho Kim
- Paula Lee
- Rand Jean
- Andrew Thron (.20 FTE)

Student Startup Center

- Salary = \$ 227,794
- Benefits = \$ 105,285
- Expenses = \$ 47,577
- Total = \$ 380,656

FTE = (2.0) and Student Staff

- Liz Tang – Director
- Aaron Anderson

Leadership in Engineering Advancement, Diversity and Retention (LEADR)

- Salary = \$ 7,000
- Benefits = \$ 105
- Expenses = \$ 68,895
- Total = \$ 76,000

FTE = (0.00) – Student Staff

Order of Business continued...

4. Special orders (none)
5. Reports of Special Committees (none)
6. Reports of Standing Committees (slides to follow)

Reports from Standing Committees

Awards Committee

Spyros Tseregounis, Chair

Committee on Information Technology and Innovation Services

Venkatesh Akella, Chair

Research and Library Committee

Adam Moule, Chair

Reports from Standing Committees continued...

Committee on Student Recruitment, Development and Welfare

Jason White, Chair

Committee on Undergraduate Educational Policy

Nael El-Farra, Chair (TBD, ask Mayra)

Order of Business continued...

7. Petitions of students (none)
8. Unfinished business (none)
9. New business: *Proposed Bylaw Changes*

Proposed Bylaw Changes

- See handout

COE Standing Committees 2019/20

AWARDS COMMITTEE

Nitin Nitin	BAE
Angie Louie	BME
John Bolander	CEE
Bruce Gates	CHE
Kwan-Liu Ma (fall) / Zhaojun Bai (winter/spring)	CS
Ben Yoo	ECE
TBD	MAE
Subhash Risbud	MSE

COE Standing Committees 2019/20

FACULTY EXECUTIVE COMMITTEE

David Slaughter	BAE
TBD	BME
Mark Rashid	CEE
Marjorie Longo (Chair)	CHE
Nina Amenta (fall) / Francois Gygi (winter/spring)	CS
Chen-Nee Chuah	ECE
TBD	MAE
Subhash Risbud	MSE

COE Standing Committees 2019/20

COMMITTEE ON GRADUATE STUDY

Niels Jensen	DAS
Ruihong Zhang	BAE
David Hawkins	BME
Miguel Jaller	CEE
Karen McDonald	CHE
Susan Handy	TTP
Dipak Ghosal	CS
Erkin Seker	ECE
Cristina Davis	MAE
Yayoi Takamura	MSE

COE Standing Committees 2019/20

COMMITTEE FOR INFORMATION TECHNOLOGY & INNOVATION SERVICES

Mark Grismer	BAE
Yong Duan	BME
Mike Kleeman	CEE
Ambarish Kulkarni	CHE
Matt Bishop (fall) / Felix Wu (winter/spring)	CS
Venkatesh Akella	ECE
TBD	MAE
Jeremy Mason	MSE

COE Standing Committees 2019/20

RESEARCH & LIBRARY COMMITTEE

Juliana de Moura Bell	BAE
TBD	BME
Rob Chai	CEE
Adam Moule	CHE
Yong Jae Lee	CS
Jane Gu	ECE
TBD	MAE
Jeff Gibeling	MSE

COE Standing Committees 2019/20

COMMITTEE ON STUDENT RECRUITMENT, DEVELOPMENT & WELFARE

Gail Bornhorst	BAE
TBD	BME
Alissa Kendall	CEE
Jason White	CHE
Sam King	CS
Marina Radulaski	ECE
TBD	MAE
Roopali Kukreja	MSE

COE Standing Committees 2019/20

COMMITTEE ON UNDERGRADUATE EDUCATIONAL POLICY

Stavros Vougioukas	BAE
Jen Choi	BME
Colleen Bronner	CEE
Nael El-Farra	CHE
Kurt Eiselt (fall) / Patrice Koehl (winter/spring)	CS
Hussain Al-Asaad	ECE
TBD	MAE
Susan Gentry	MSE