



State of the College Fall 2017

Costas Tsatsoulis

Dean

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UNIVERSITY
OF NORTH TEXAS[®]

EST. 1890

Our College of Engineering



Fall 2017

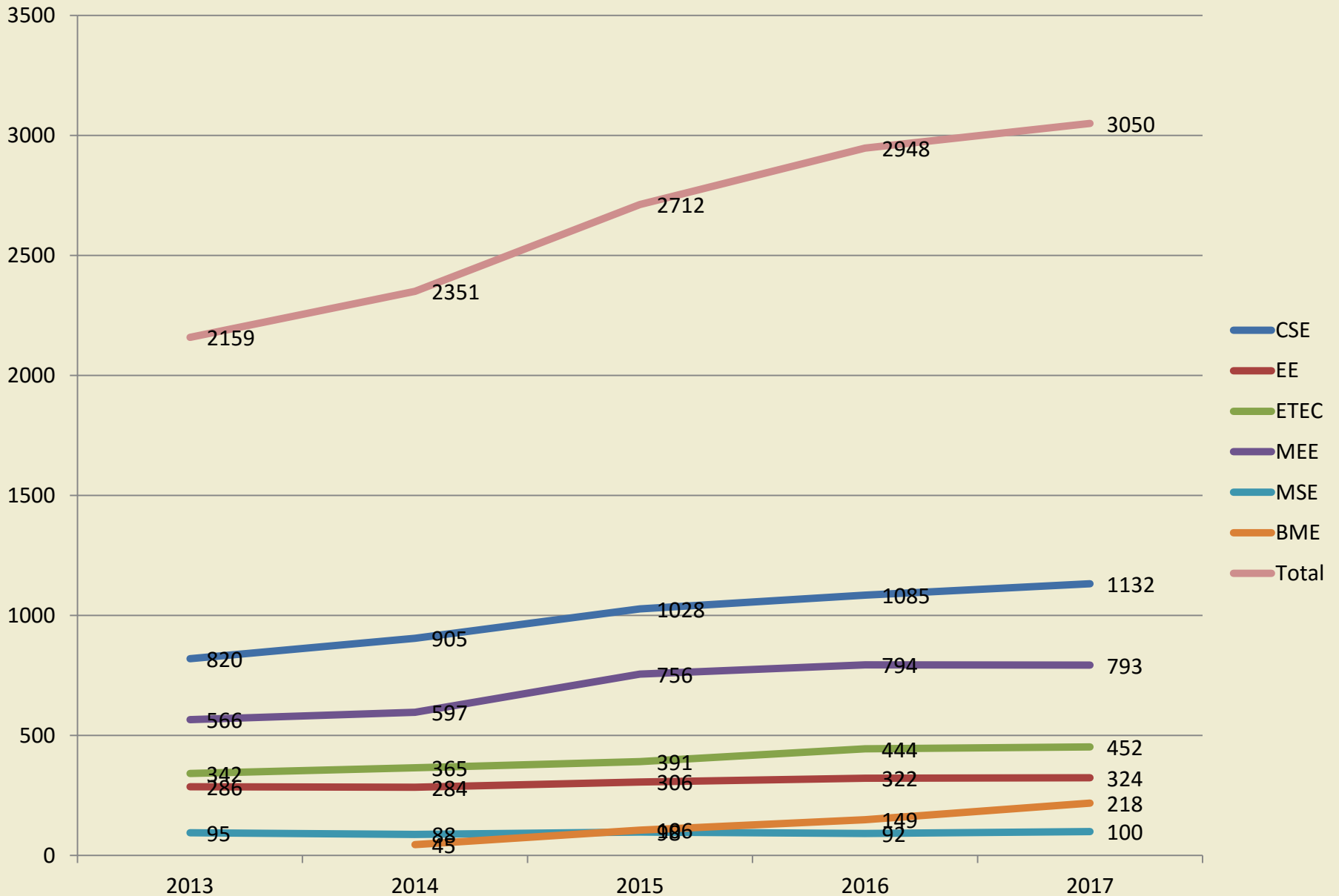
- 97.55 (100) Faculty
- 3,626 students

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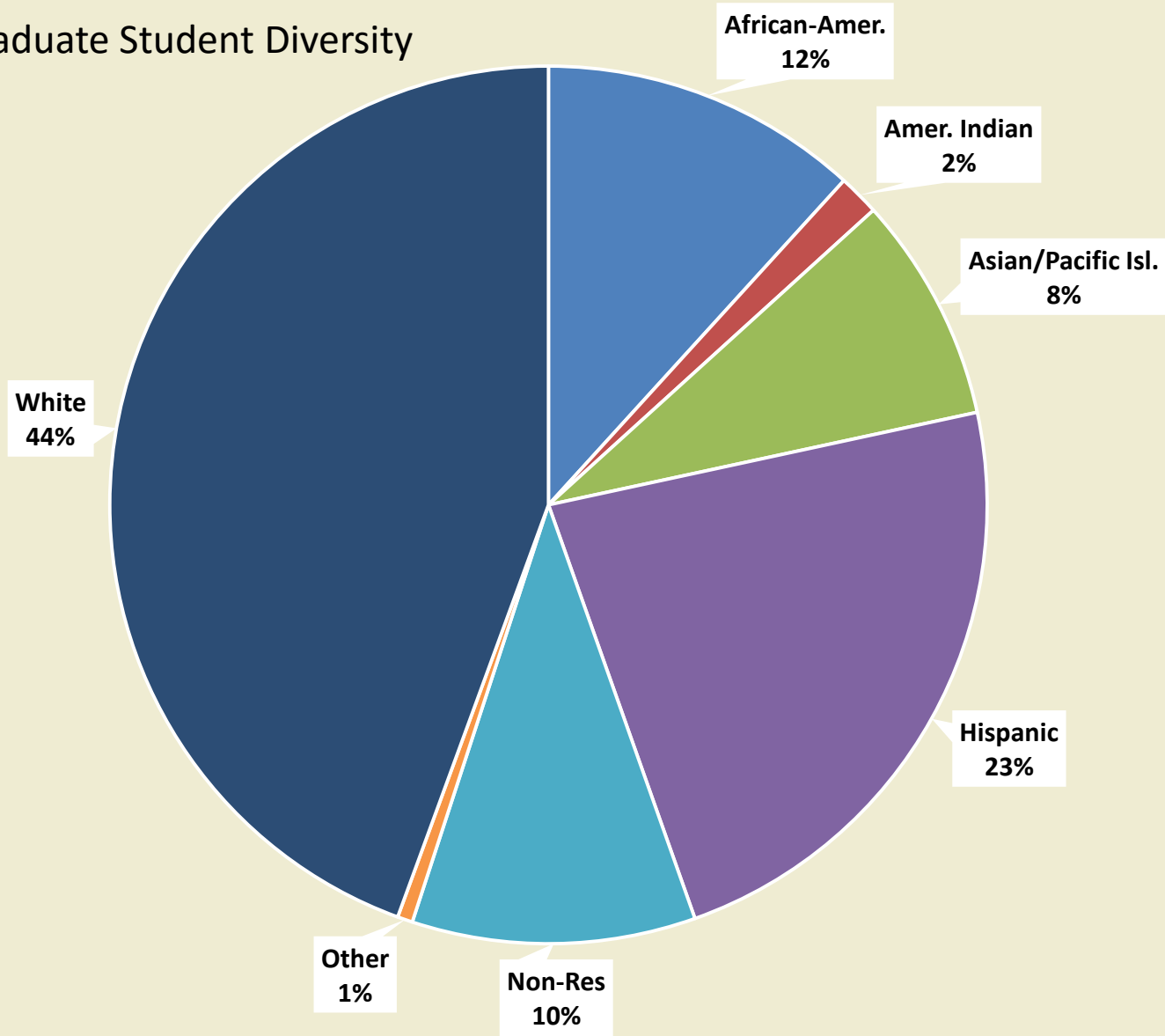
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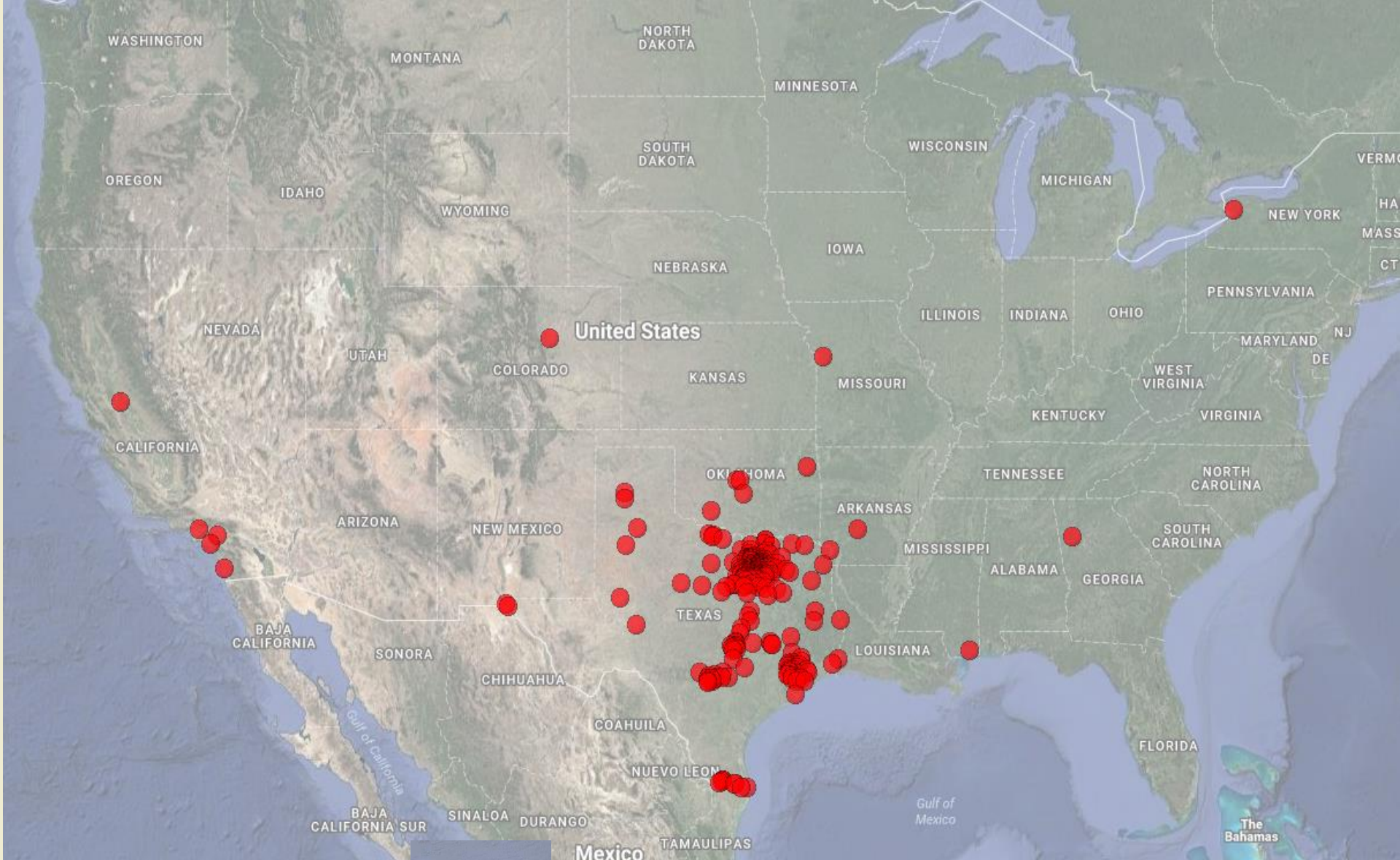
Undergraduate Program

Engineering Undergraduate Enrollments



Undergraduate Student Diversity

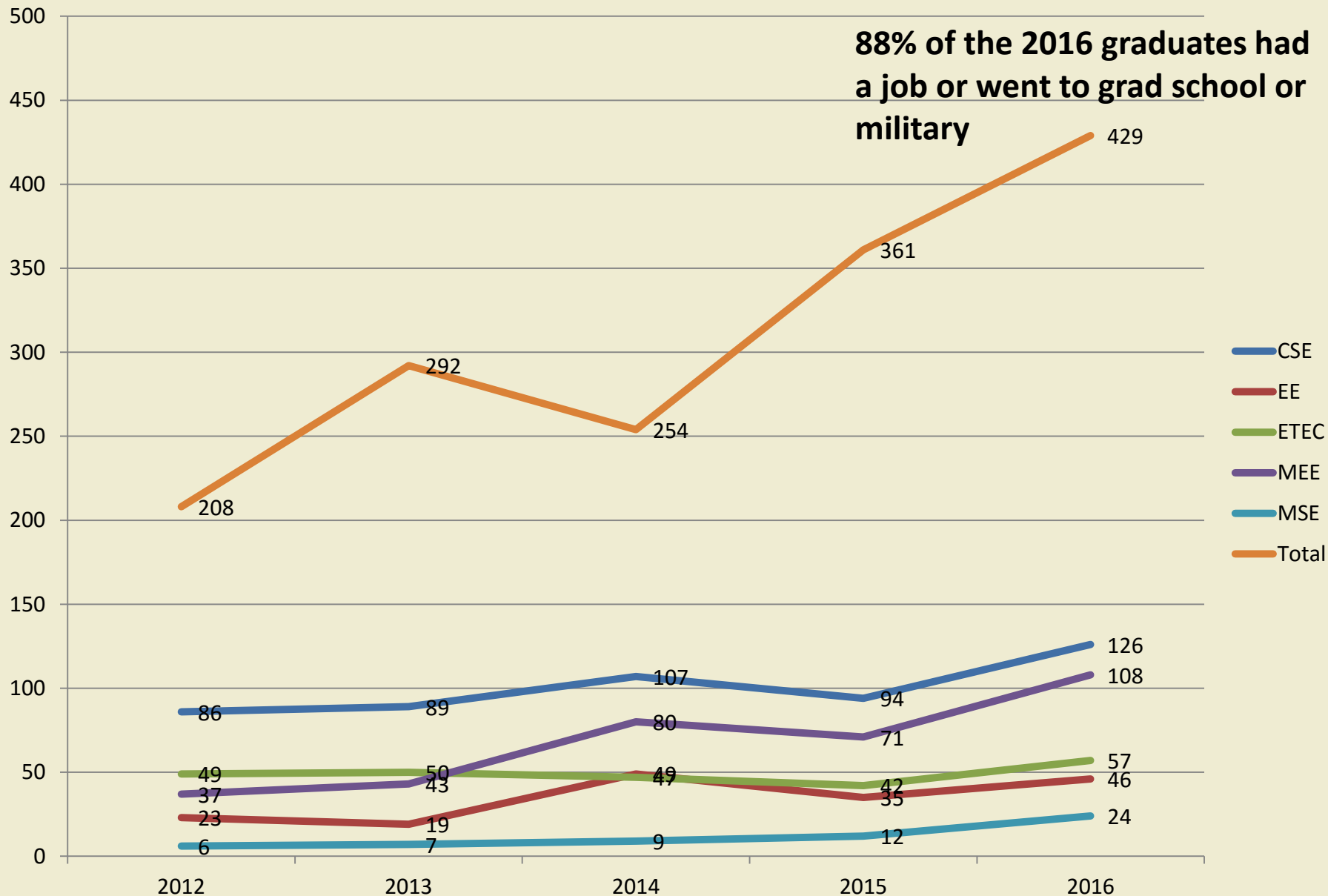


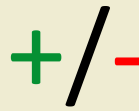



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Undergraduate Degrees





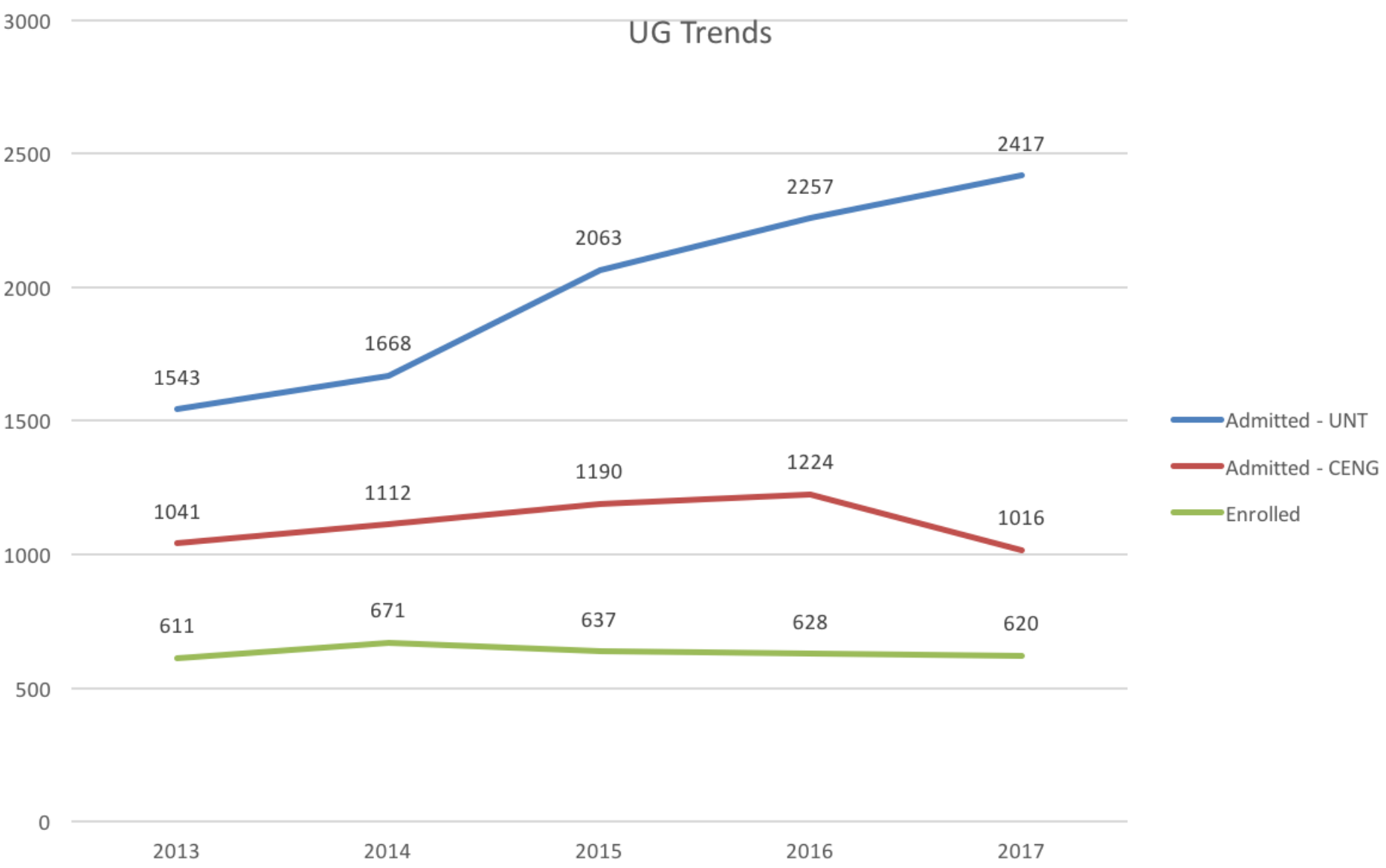
- Enrollments have stabilized
- Our student body continues to be very diverse
- Signed 1+3 agreement with Dalian Jiaotong's MTSE department
- We have implemented our Foundation courses and tweaked them
- We have introduced new internal and external transfer rules
 - Internal: completion with C or better and 2.5 GPA of the first year Foundation courses
 - External: Calculus I eligibility plus 2.5 minimum GPA on Math-Science-Engineering coursework
- The Engineer's Aerie is going strong; MEE had more project sponsors than capstone teams
- We have implemented new lab safety rules, and hired undergraduate lab monitors for F157, J105, J130, and ETEC
- Some equipment locks have been installed
- Female enrollment still only 15% 
- Not all departments have had success attracting capstone project sponsors
- We may experience a drop in enrollments
- Risk management has yet to install new door locks

BME	43%
CS	15%
CE	10%
IT	12%
EE	12%
MEE	12%
MTSE	30%
CNET	10%
ELET	5%
MEET	10%
CENG	15%

Student pipeline

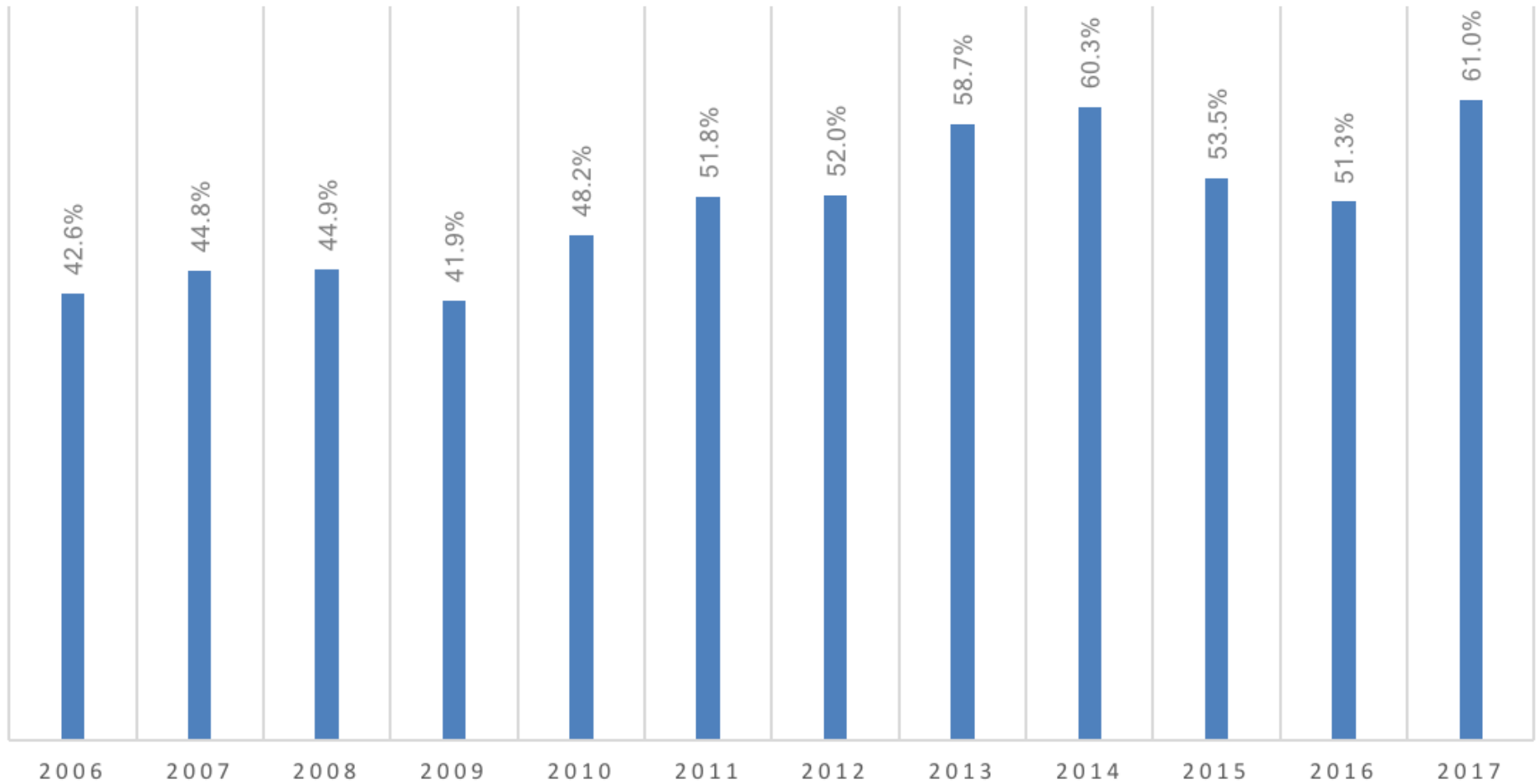
	F	So	J	Sr	F+So	J+Sr
BME	36	58	53	63	94	116
CS	103	130	207	258	233	465
CE	27	57	61	98	84	159
IT	17	18	55	72	35	127
EE	31	71	77	136	102	213
ELET	3	7	16	17	10	33
CNET	20	21	43	73	41	116
MEET	47	55	54	94	102	148
MSET					0	0
MEE	63	111	203	399	174	602
MTSE	13	22	26	37	35	63
ENUN	10	17	7	1	27	8
	370	567	802	1248	937	2050
PosBacc	48					

UG Trends

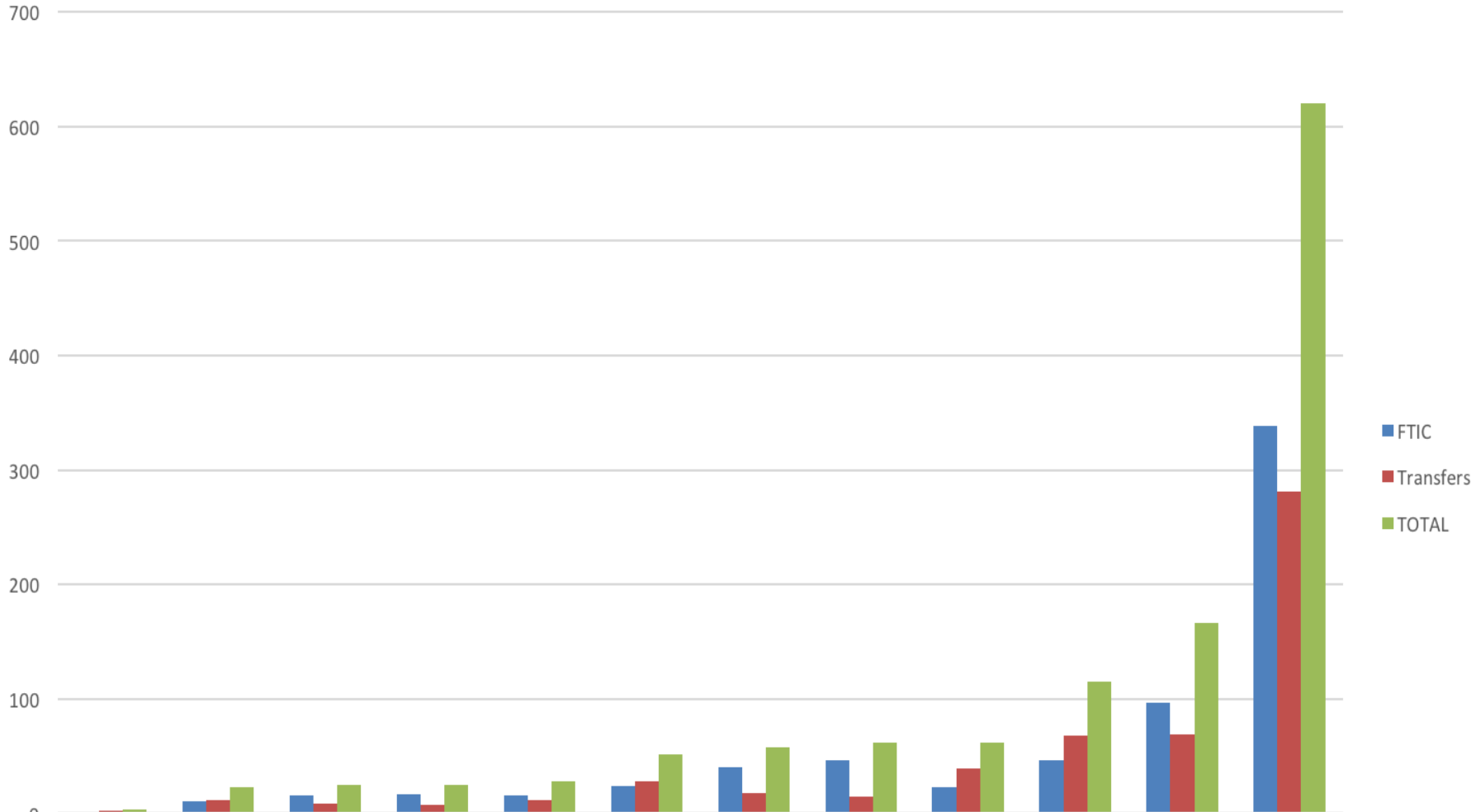


Undergraduate admits yield

YIELD



New UG Enrollments



	ELET	IT	CNET	MTSE	EUN	CE	MEET	BME	EE	MEE	CS	CENG
■ FTIC	1	11	16	17	16	24	40	47	23	47	97	339
■ Transfers	3	12	9	8	12	28	18	15	39	68	69	281
■ TOTAL	4	23	25	25	28	52	58	62	62	115	166	620

Percentage of transfer students in incoming cohort

2010	2011	2012	2013	2014	2015	2016	2017
29%	35%	28%	29%	32%	44%	44%	45%

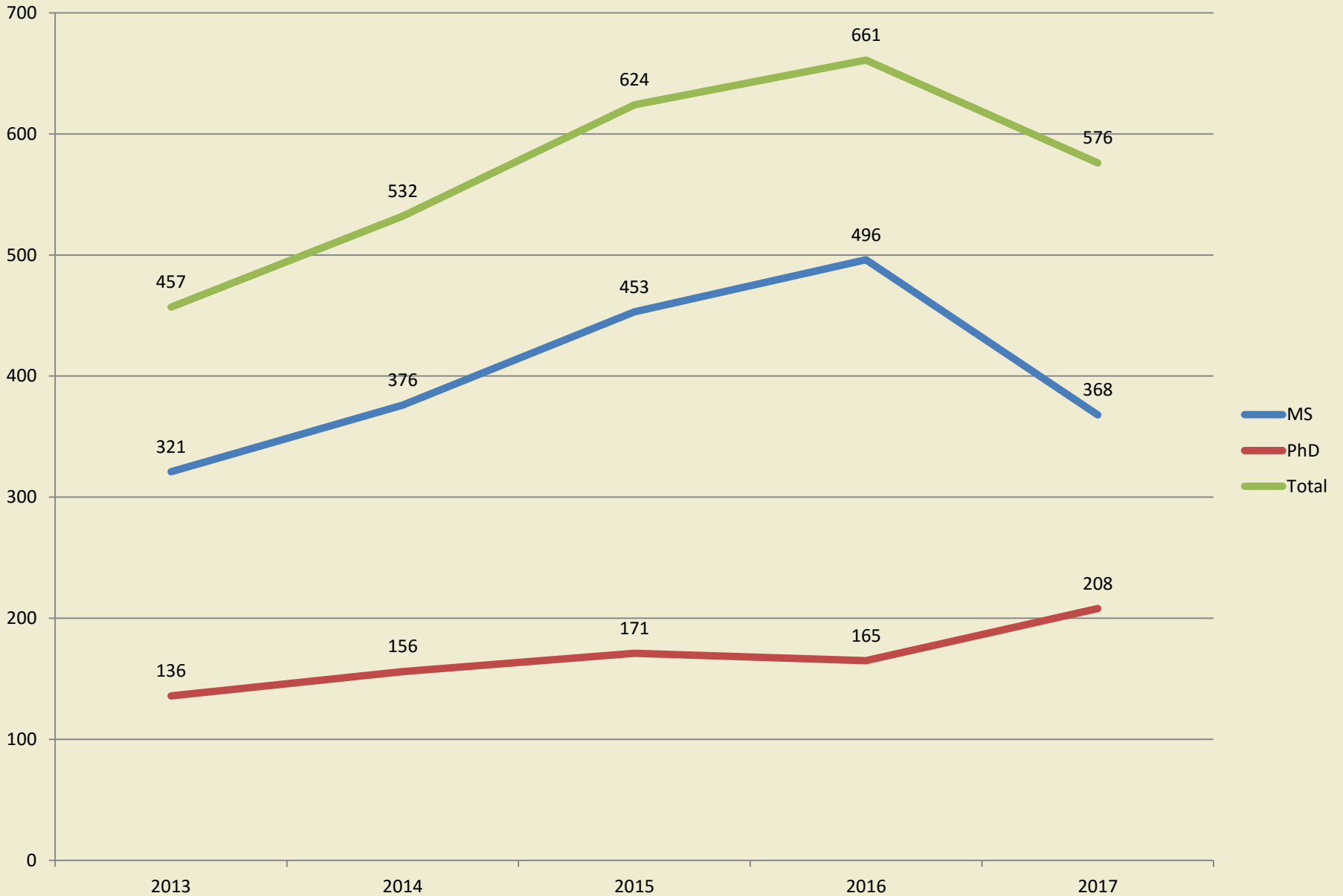
What effect will the new transfer admission rules have? Based on 3 years data we expect a drop of 25-30% in transfer student admissions.

Issues

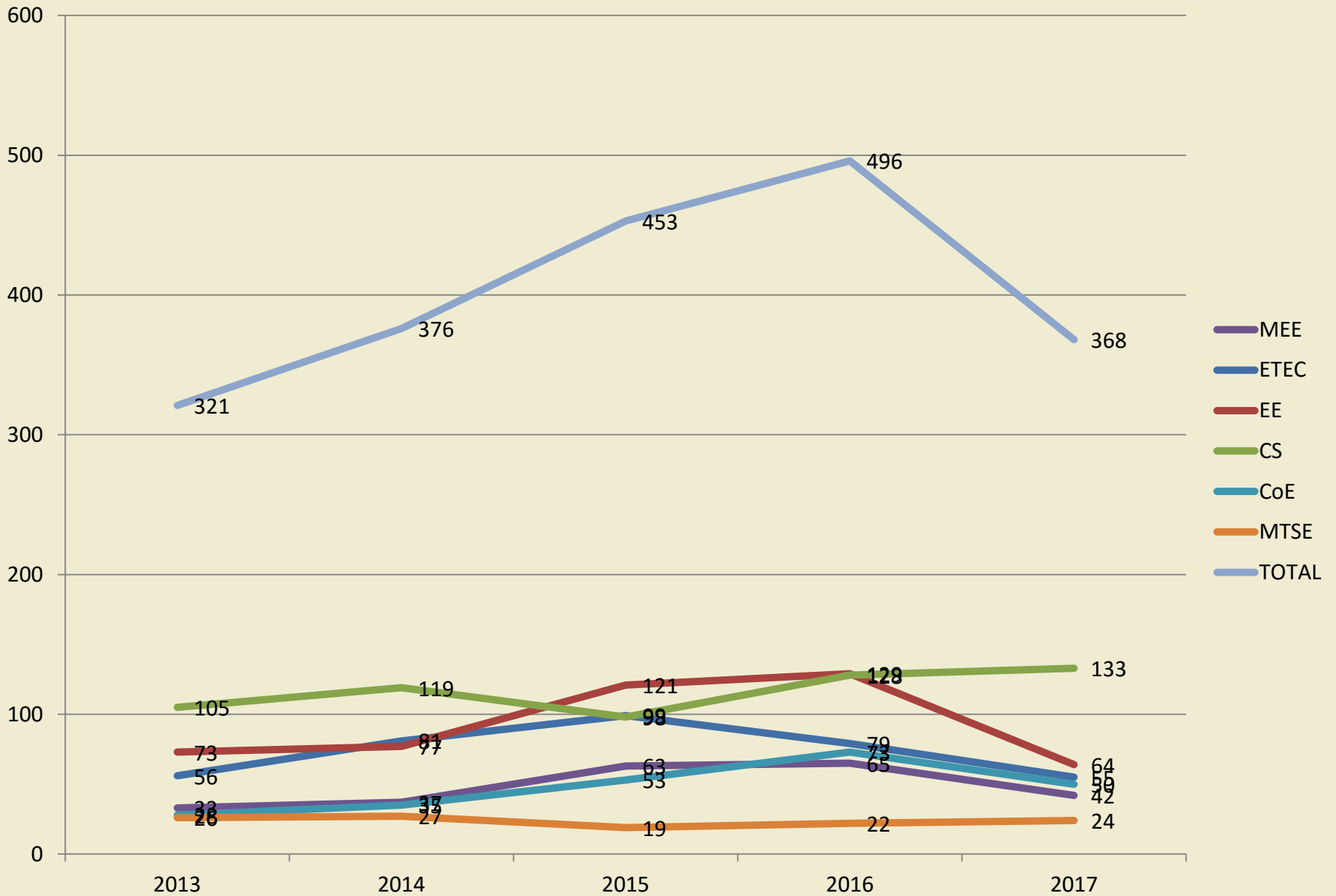
- How do we increase applicants?
 - How do we make PREP a recruiting target?
- How do we increase our yield?
 - We have better applicants and we compete with many other Universities
 - Can faculty play a role in improving the yield?
- Retention is key

Graduate Program

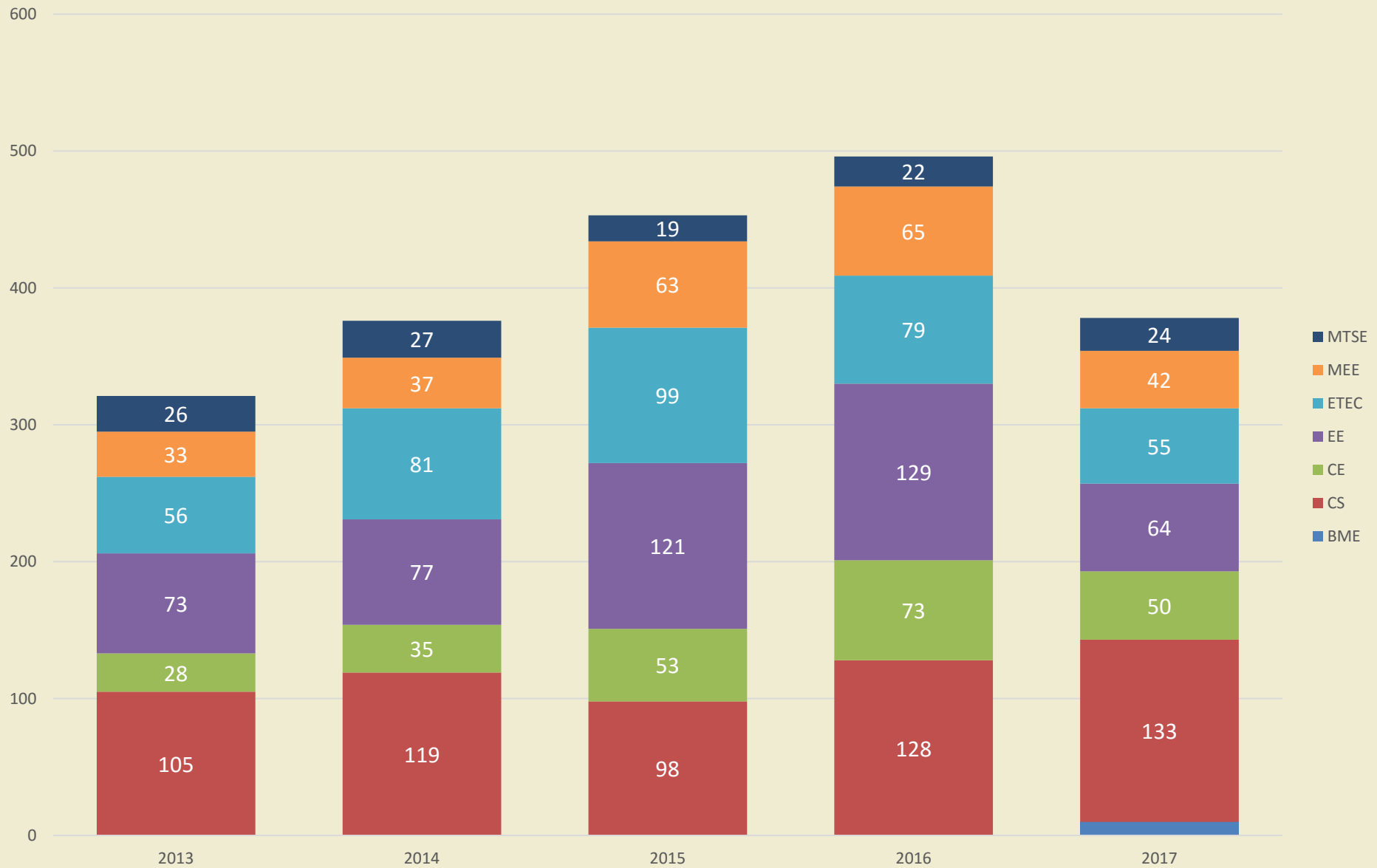
Graduate Enrollments



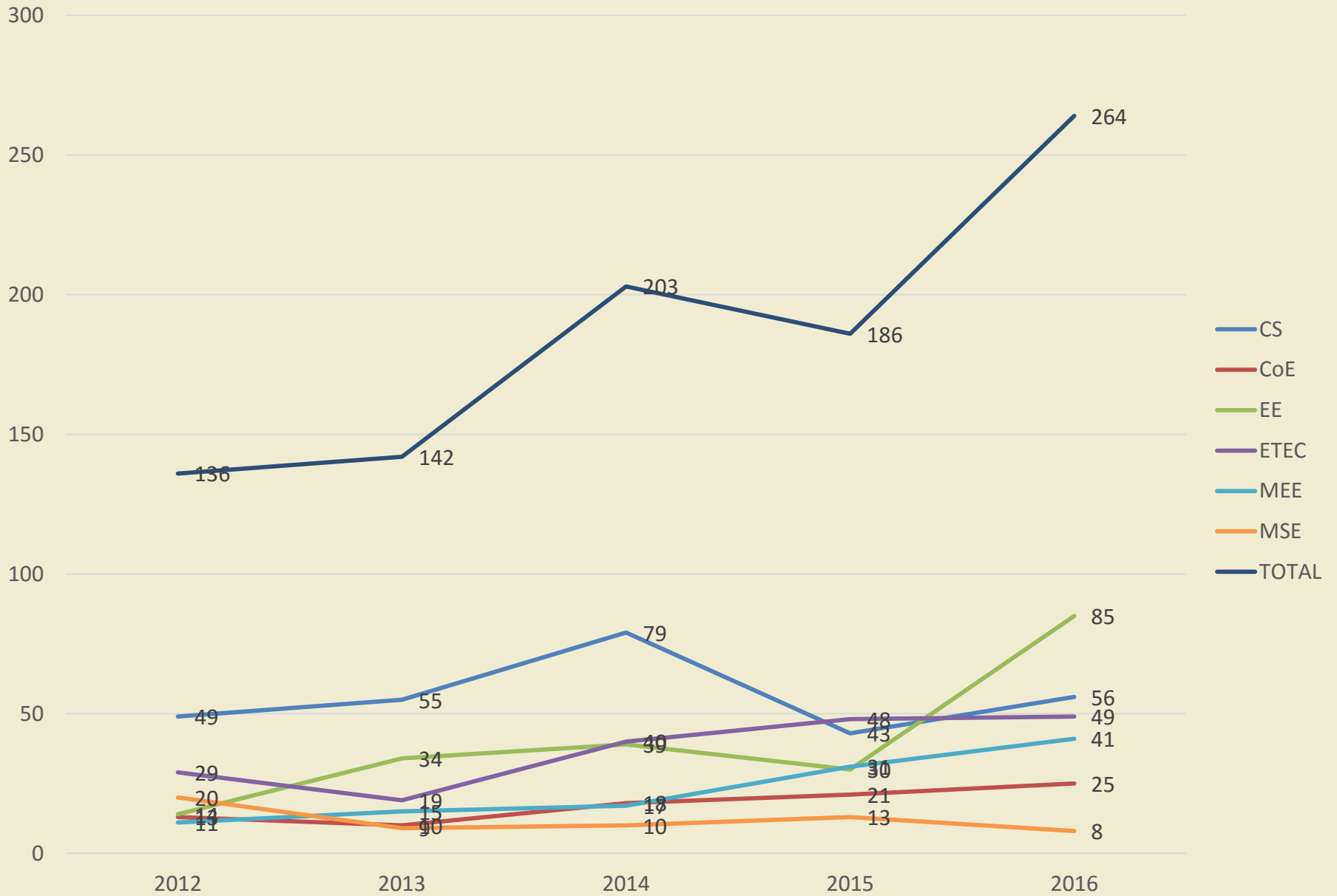
MS Enrollments



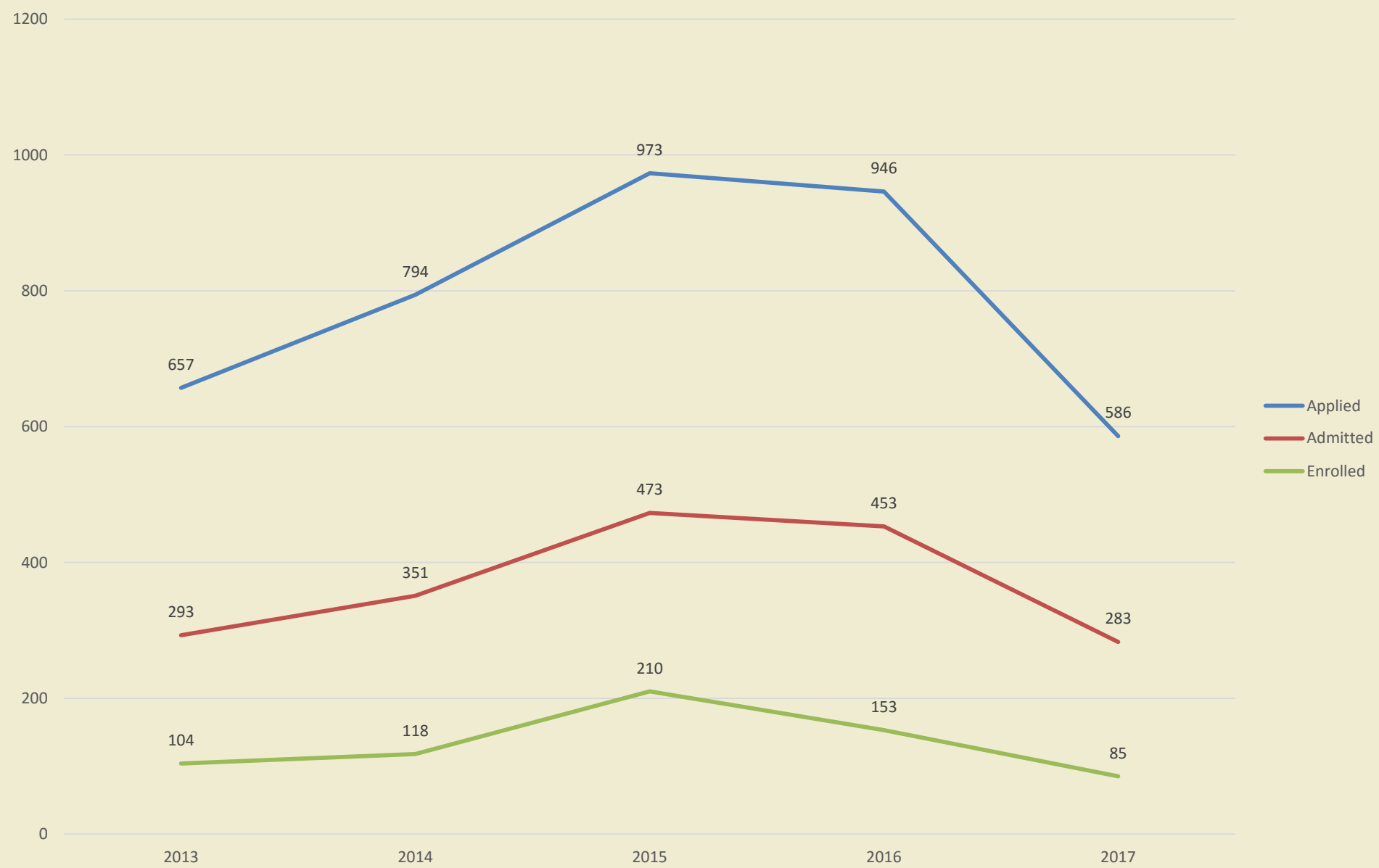
MS Enrollment Trend



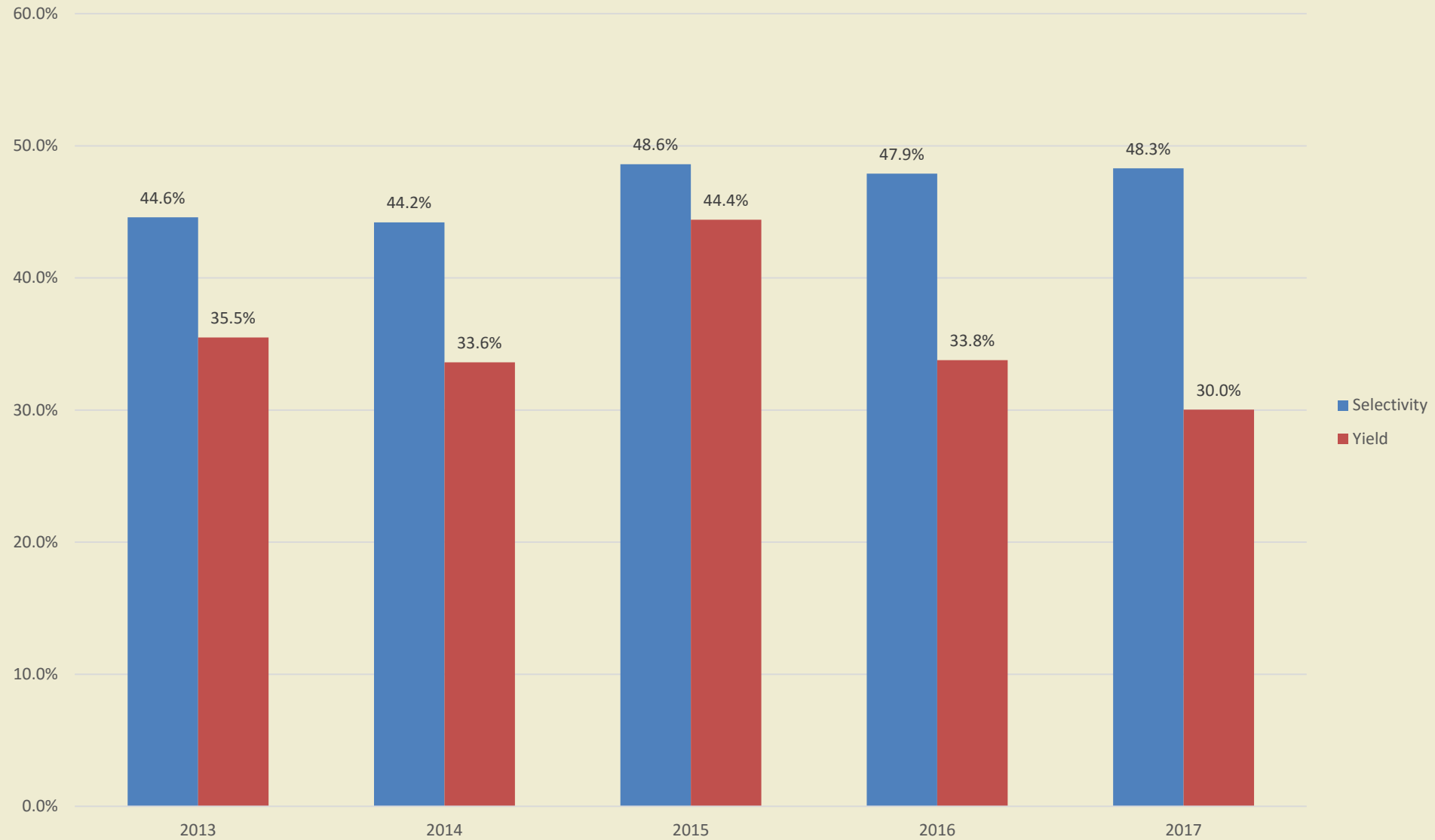
MS Graduates



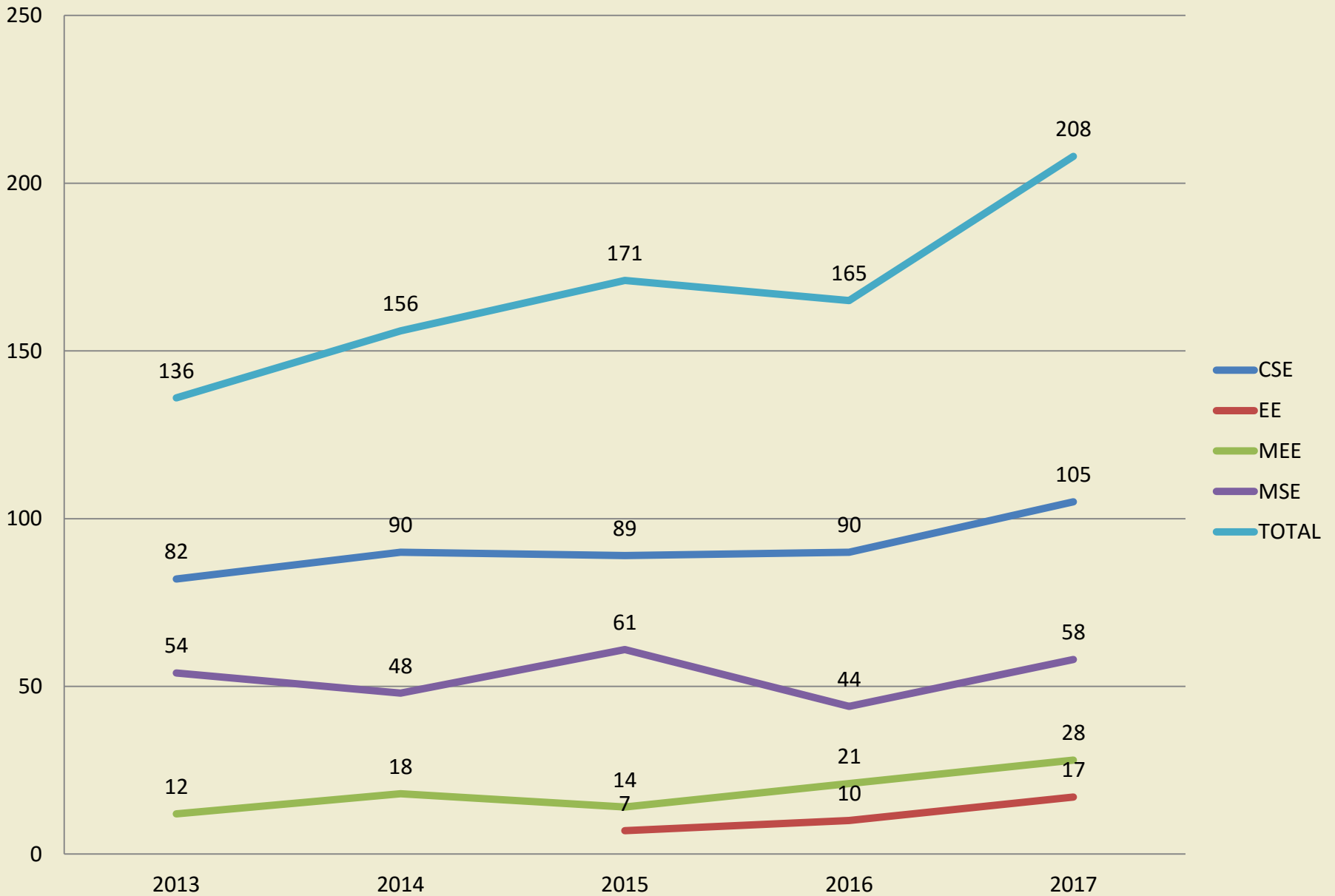
MS Trends



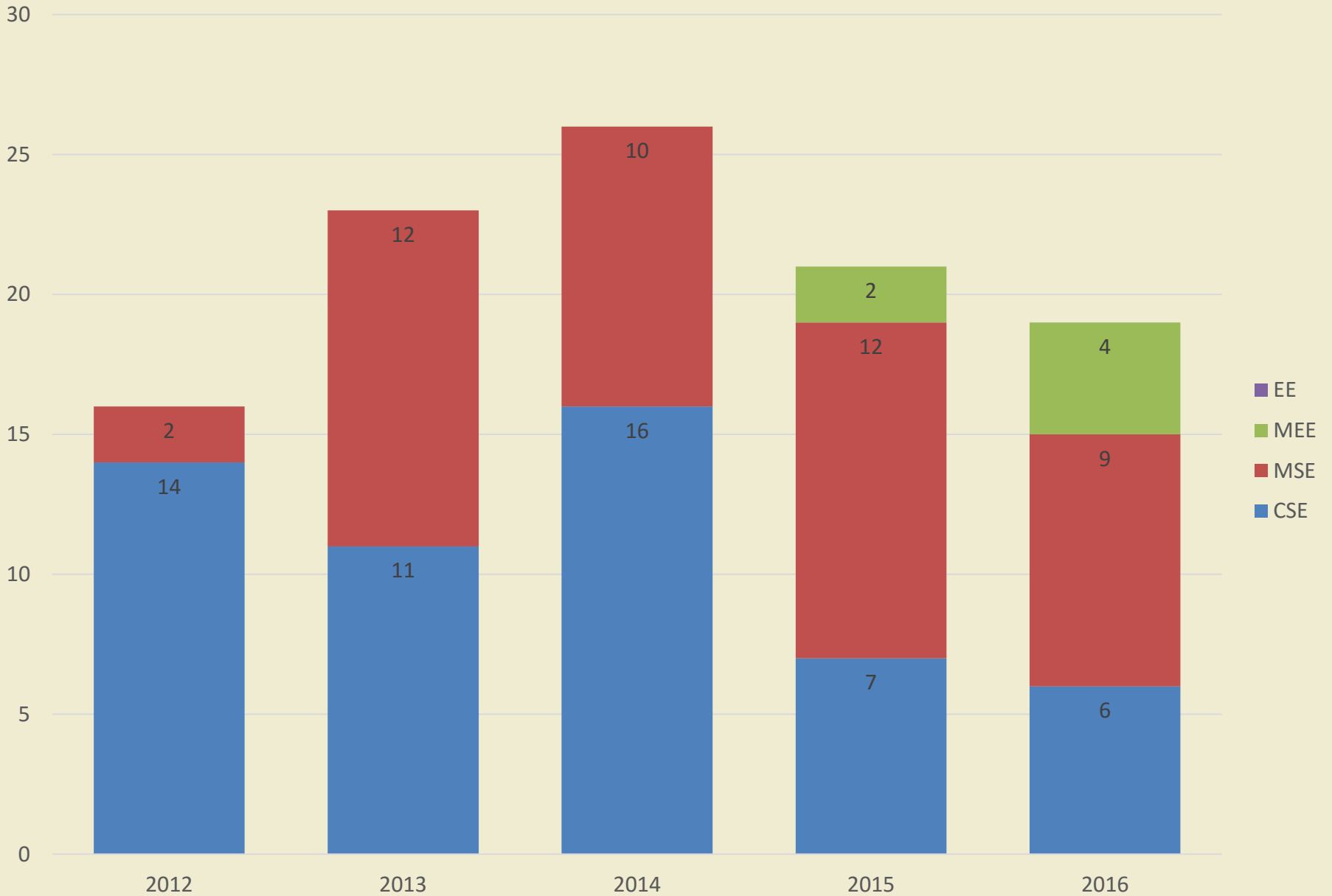
Master of Science



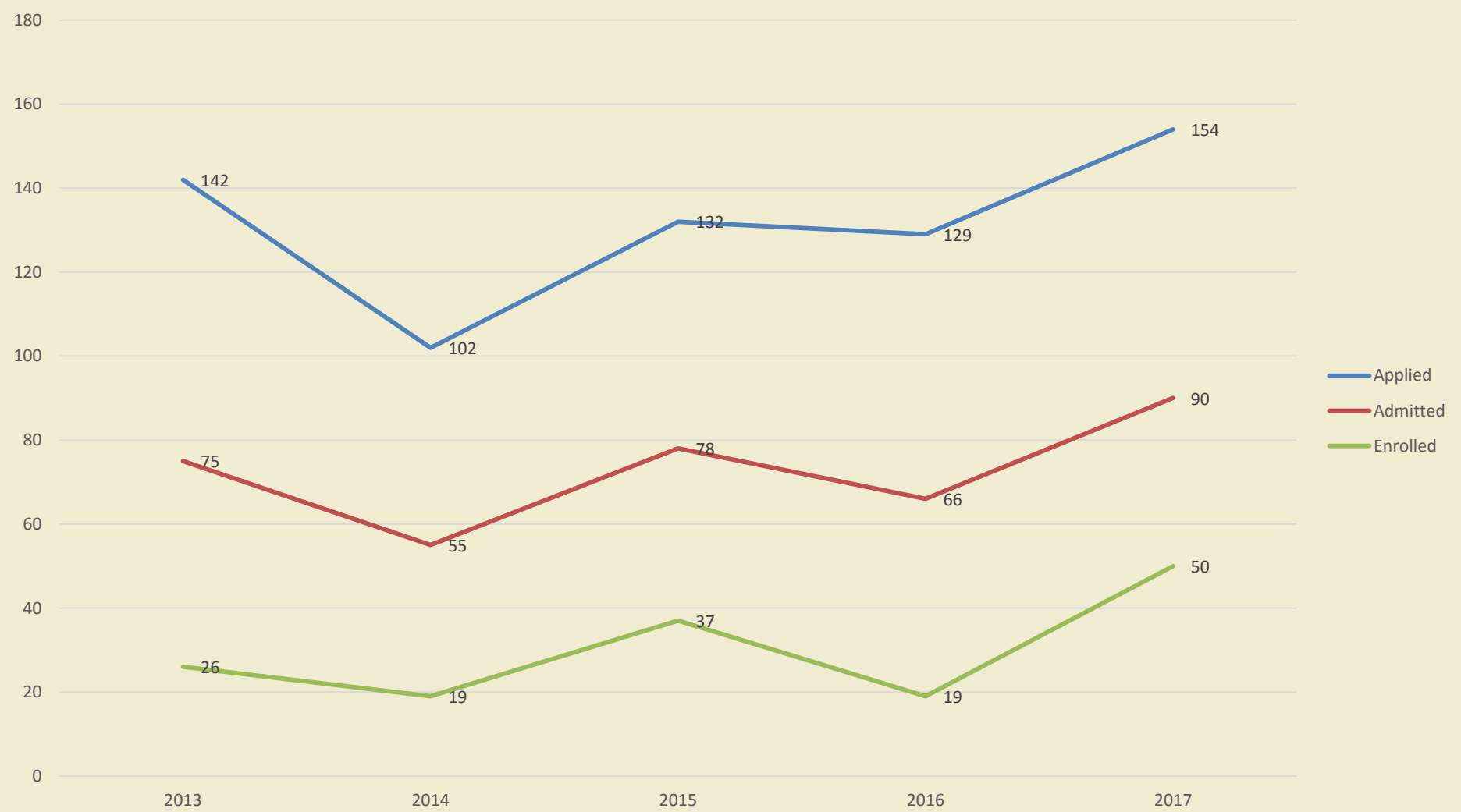
Doctoral Enrollments



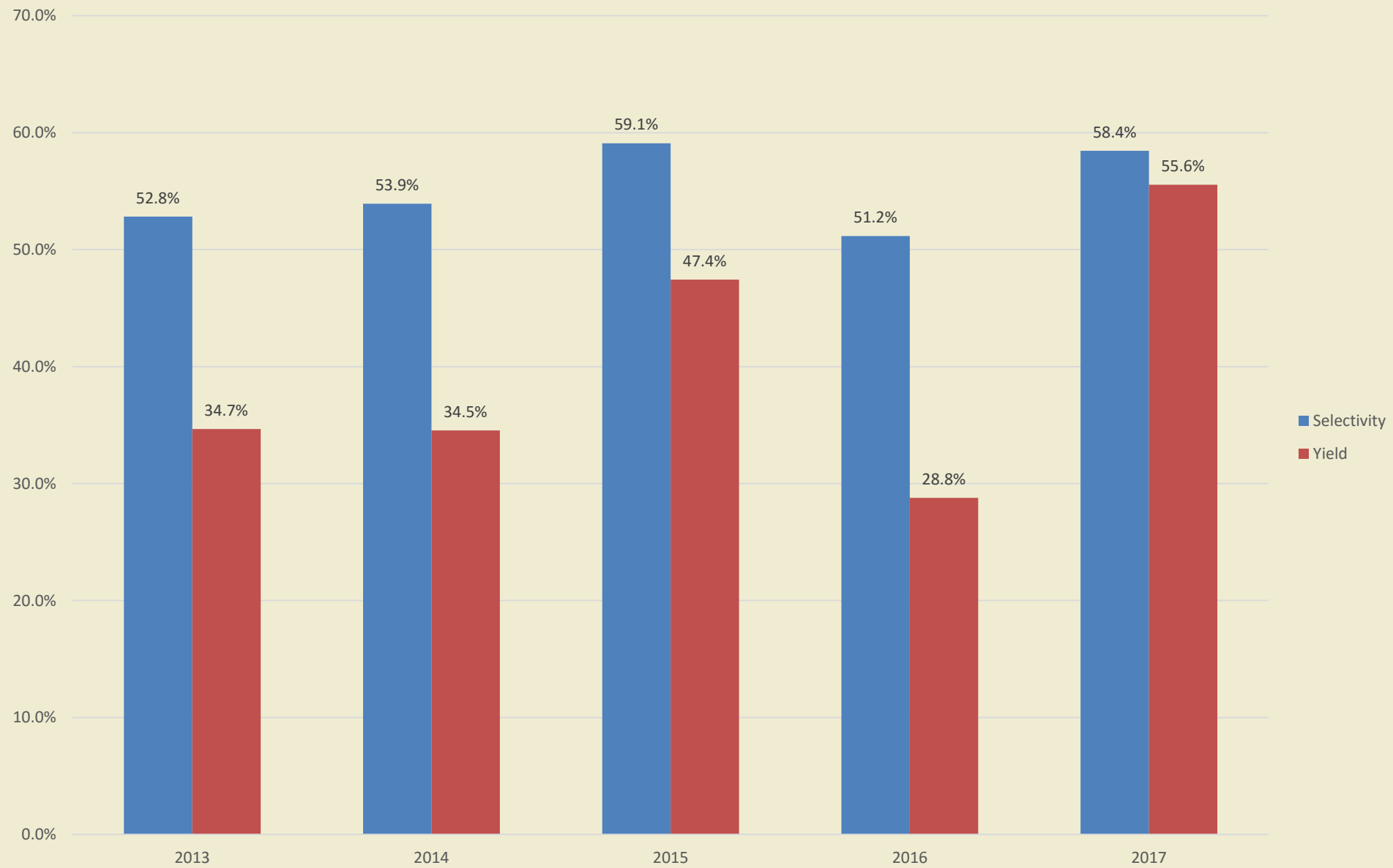
Doctoral Graduates



PhD Trends



Ph.D.

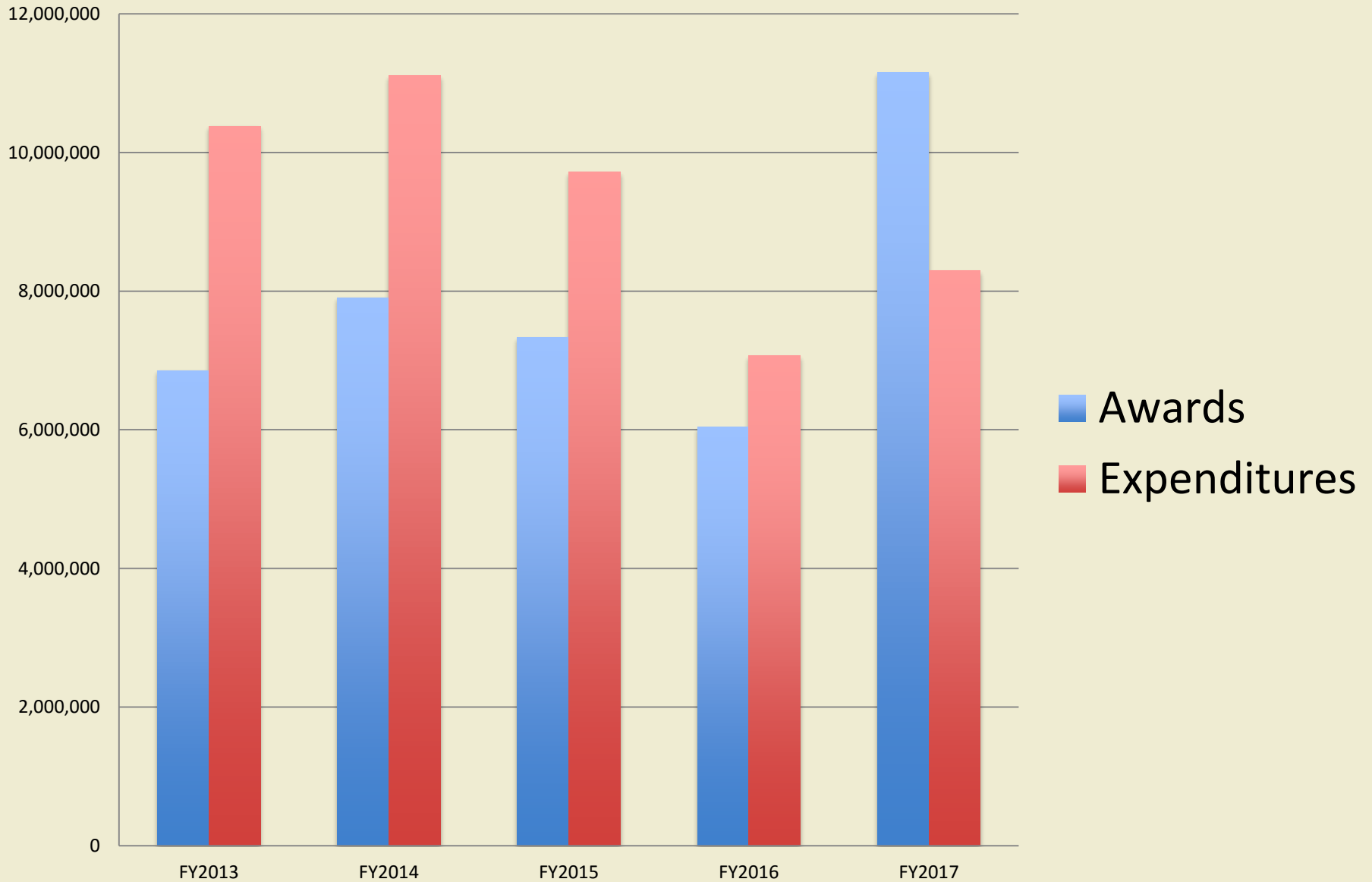


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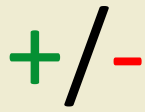
- Less pressure on our graduate courses
- GradTrack still going strong: 69 students enrolled; 11 graduated
- Working on a number of international 3+2 agreements with China and India
 - Worked with the TGS to improve the international GradTrack language
- Significant increase in Ph.D. enrollments
 - President's new 26 TA lines helped
 - Yield 56%
- First BME MS and Ph.D. students
 - BME concentrations under EE, MEE and MTSE Ph.D.s
- Graduate recruiting plan and timeline completed
- 35% drop in MS new enrollments
 - Back to where we were 3 years ago
- 38% drop in MS applicants; 44% in new MS enrolled
- MS yield 30%
- Drop in graduate SCHs
 - Fee impact

Research and Scholarship

Funded Research Performance



- In FY16 our research expenditures per faculty member were higher than:
 - Oklahoma St., Arkansas-Little Rock, Temple, SMU, U of New Hampshire, URI, South/North Dakota St., Villanova, W. Michigan, etc.
- Within 10% of Texas Tech, UNLV, Kansas St.
- FY17 will be much better



- New research discovery workshop organized
- First PDS grants submitted; one awarded
- “Red Team” used
- Program director visits scheduled
- Continuing to organize visits to funding agencies
- We still cover all trips to meet with collaborators or visit PMs
- We still have a consultant to look at and evaluate proposals
- FY17 expenditures and awards very strong
- Leyla resigned; Liz filling in
- Research space at a premium
- FY16 expenditures and awards not very strong

Others

- 18 new faculty
 - PACCAR Professor: Dr. Kaul
- Cybersecurity Summit organized
 - Panelists from: Huawei, Armor Defense, McAfee, PWC, US Navy, Verizon, Sentinel, Masergy, Fidelity
- Executive MS in CS offered through Frisco
- Two UG CS courses offered through Frisco
- CSE phase I & II renovations completed
- BME and MTSE lab renovations completed
- Advising Office renovations completed
- BME extension moving fast
 - Three new classrooms: 60, 80, 200 students
- Homecoming – Be there!!

Questions?