



SAN DIEGO STATE
UNIVERSITY

COLLEGE OF ENGINEERING

STAFF MEETING

FEBRUARY 18, 2021

AGENDA



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College of Engineering

- Call to Order

- Announcements & Updates
 - Engineering Development Update
 - Kate Carinder – Senior Director of Development, CoE

- State of the College
 - College Personnel, Budget, and Infrastructure Update
 - Building A Update
 - Research & Graduate Program Update
 - Undergraduate Program Update
 - Important Dates to Remember

- Other Business
 - Roundtable
 - Questions?

- Adjournment



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ANNOUNCEMENTS & UPDATES

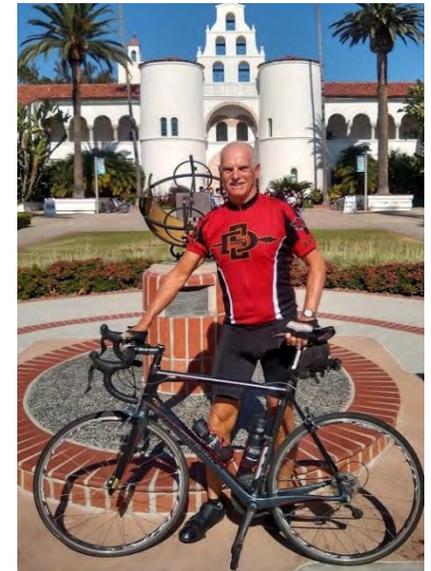
DEVELOPMENT UPDATE



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- **Development Goal FY20/21**
 - Goal - \$6,000,000
 - Raised to Date - \$5,720,735
- **College Endowment**
 - As of 12/31/20 - \$22M
 - Has grown from \$11.2M in 2018
- **Development Priorities FY20/21**
 - Faculty Support
 - Scholarship Support
 - AGC Chair in Construction Management
 - Mechanical Engineering Support
 - Elevating Diversity Initiatives
- **Endowment & Spend**
 - Equal Importance
- **URAD Database**
 - Includes: Alumni, Students Attended, Faculty/Staff – Current and Prior, Donors, Friends
- **Major Gift Story**
 - Paul Stuverud – scholarship support
- **What You Can Do**
 - Relationship Building



Paul Stuverud

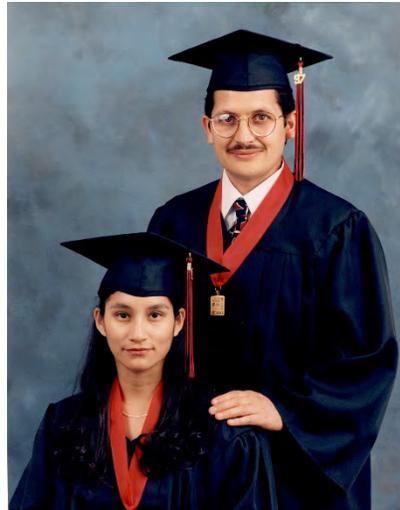
DEVELOPMENT UPDATE



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- **Highlighted Fall 2020 Gifts:**



Mr. Alfredo Aldrete (BSEE 97') & Mrs. Sandra P. Aldrete (BSME 97')
Gift to establish the "Alfredo Aldrete and Sandra Pulido Aldrete MESA Endowed
Scholarship" for Engineering



McCarthy Building Companies
\$100,000 Gift to Support CM



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STATE OF THE COLLEGE



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COLLEGE PERSONNEL, BUDGET, AND INFRASTRUCTURE UPDATE



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UPDATE ON COLLEGE PERSONNEL

FACULTY SEARCHES FOR 2020 - 21



Searches Successfully Completed

Department	Position Area	Level	VPAA #
CCEE	Sustainable Infrastructure Engineering	Assistant	2020/21-17
CCEE	Coastal Engineering	Assistant	2020/21-72
CCEE	Structural Engineering	Assistant	2020/21-70
CCEE	Water Engineering	Assistant	2020/21-71
ME	Computational Mechanics	Assistant	2020/21-75
ME	Renewable Energy Conversion and Storage	Assistant	2020/21-74
Dean's Office	Assoc. Dean for Undergraduate Studies	Full	2020/21-58
Dean's Office	Assoc. Dean for Graduate Studies	Full	SDSU Internal

Unchilled Searches

New Open Position:

AE	Aerodynamics	Assistant	2021/22-06
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TENURED/TENURE-TRACK FACULTY



	AE	CCEE	ECE	ME	CoE
Professors	7	5	8	8	28
Associate Professors	1	5	5	3	11
Assistant Professors	4	7	8	10	32
Fall 2019 T/T Faculty	12	17	21	21	71*
New Fall 2021 Positions	1	2	1	1	5
Total T/T Faculty*	13	19	22	22	76*

* Includes participants in Faculty Early Retirement Program (FERP)



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UPDATE ON COLLEGE BUDGET

2020/21 INSTRUCTIONAL BUDGET



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T/TT & Ferp Salaries		Lecturer Salaries		TA Salaries		GA Salaries [3]		ISA's (graders) [4,5]		Start Up TA/GA Support [6]	
COE		COE		COE [1]	\$159,607	COE		COE (MEP)	\$8,876	COE	
AE	\$1,011,410	AE	\$91,925	AE	\$32,508	AE	\$6,198	AE	\$54,315	AE	\$245,419
CCEE	\$1,450,346	CCEE	\$415,756	CCEE	\$14,533	CCEE	\$18,180	CCEE	\$73,708	CCEE	\$196,384
ECE	\$1,959,509	ECE	\$167,712	ECE [2]	\$136,243	ECE	\$5,570	ECE	\$74,228	ECE	\$165,770
ME	\$1,887,882	ME	\$381,663	ME	\$23,875	ME	\$5,425	ME	\$139,568	ME	\$537,274
Total	\$6,309,147	Total	\$1,057,056	Total	\$366,766	Total	\$35,373	Total	\$350,695	Total	\$1,144,847
Budget Allocation from AA [7]		\$11,307,145									
AY Salaries		(\$8,119,037)									
July/August 2020 Salaries		(\$1,483,054)									
Summer Salaries		(\$453,092)									
Funds Taken by AA		(\$82,215)									
Start Up TA/GA Support		(\$1,144,847)									
GI 2025 Funds in Reserves		(\$114,104)									
Classroom Optimization Funds in Re		(\$117,618)									
Balance [8]		(\$206,822)									
Key											
COE - College of Engineering Dean's Office (includes JDP Program)											
AE - Aerospace Engineering											
CCEE - Civil, Construction & Environmental Engineering											
ECE - Electrical & Computer Engineering											
ME - Mechanical Engineering											
[1] These are the JDP TA's											
[2] ECE received classroom optimization funds for TA's which is why their TA salaries are much higher than other departments											
[3] All GA's are paid using start up funds											
[4] Doesn't include the JDP Hours allocated as they are listed in the TA category											
[5] Includes Fall and Spring											
[6] Amount that has yet to be spent and will not be spent this academic year											
[7] As of 2/9/2021 - pulled from AA December 2020 Budget report + known revenues not listed											
[8] We are expecting more revenues due to Spring FTES and student demand funding											

2020/21 NON-INSTRUCTIONAL BUDGET



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Staff Salaries [1]									
COE [2]	\$1,319,629								
AE	\$314,616								
CCEE	\$385,938								
ECE	\$398,244								
ME	\$426,504								
Total	<u>\$2,844,931</u>								
Budget Allocation from AA [3]				\$3,332,084					
Staff Salaries				(\$2,844,931)					
Start Up Summer Pay [4]				(\$408,230)					
Additional Pay (GREW, COAST, etc.)				(\$41,109)					
Funds Taken by AA				(\$30,000)					
Balance				<u>\$7,814</u>					
Key									
COE - College of Engineering Dean's Office									
AE - Aerospace Engineering									
CCEE - Civil, Construction & Environmental Engineering									
ECE - Electrical & Computer Engineering									
ME - Mechanical Engineering									
[1] Includes Chair salaries									
[2] Includes Dean's office, Center for Student Success, MESA & JDP Staff & Dean and Associate Dean salaries									
[3] As of 2/9/2021 - pulled from AA December 2020 Budget report									
[4] Includes amounts paid July/August 2020 and future payments in 2021 & 2022									

2020/21 OPERATIONAL BUDGET



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General Operations [1]		Open University [3]		Equipment		Renovations [5]		Start Up Funds [6]		Centers/Awards	
COE [2]	\$240,951	COE	\$9,385	COE	\$87,750	COE	\$839,918	COE	\$160,000	COE [7]	\$256,552
AE	\$16,288	AE	\$12,005	AE	\$4,417	AE	\$32,573	AE	\$552,400	AE [8]	\$960
CCEE	\$8,994	CCEE	\$34,768	CCEE	\$3,301	CCEE	\$7,461	CCEE	\$683,848	CCEE [9]	\$45,730
ECE	\$13,182	ECE	\$91,466	ECE [4]	\$140,343	ECE	\$2,823	ECE	\$282,596	ECE [10]	\$56,258
ME	\$11,153	ME	\$41,479	ME	\$28,810	ME		ME	\$1,426,886	ME [11]	\$126,051
Total	\$290,568	Total	\$189,103	Total	\$264,621	Total	\$882,775	Total	\$3,105,730	Total	\$485,551
Budget Allocation from AA [12,13]		\$6,328,734									
General Operations		(\$290,568)									
Open University		(\$189,103)									
Equipment		(\$264,621)									
Renovations		(\$882,775)									
Start Up Funds		(\$3,105,730)									
Centers/Awards		(\$485,551)									
JDP Payments (AY 19/20 & 20/21) [14]		(\$404,250)									
Funds Taken By AA		(\$637,785)									
Balance		\$68,351									
Key											
COE - College of Engineering Dean's Office (includes JDP Program)											
AE - Aerospace Engineering											
CCEE - Civil, Construction & Environmental Engineering											
ECE - Electrical & Computer Engineering											
ME - Mechanical Engineering											
[1] Phones, computer network costs, postage, etc.											
[2] Besides the above this also includes supplies, hardware maintenance, faculty search ads, software renewal costs, EMS Facility Usage, SA's for help desk, IT supplies											
[3] Carryforward, Summer, Fall & Spring Estimates											
[4] This includes \$60,000 from 19/20 PO that didn't get charged until 20/21											
[5] Estimates included - Includes PSFA offices, A Lot Space, Machine Shop, ENG Hallway displays, etc.											
[6] Includes new 2020/2021 start ups and remaining start up commitments from previous years											
[7] One time funds received from Provost to support CSSE											
[8] Includes Summer Undergrad Program											
[9] Includes Summer Undergrad Program; Class Size Optimization; Equity Learning Comm.											
[10] Includes Smart Health Institute, Summer Undergrad Program, SEC Funding, Data Champions											
[11] Includes Sustainable Energy Center, Summer Undergrad Program, GRA Matching											
[12] 2/9/2021 - pulled from AA December 2020 Budget report + addtl known transfers											
[13] Includes 19/20 Carryforward, General Operations & Equipment allocations, New Start Up Funds, etc.											
[14] 20/21 JDP Payment is an estimate, will be paid this Spring 2021											



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UPDATE ON RENOVATION OF BUILDING A & MAIN BUILDING



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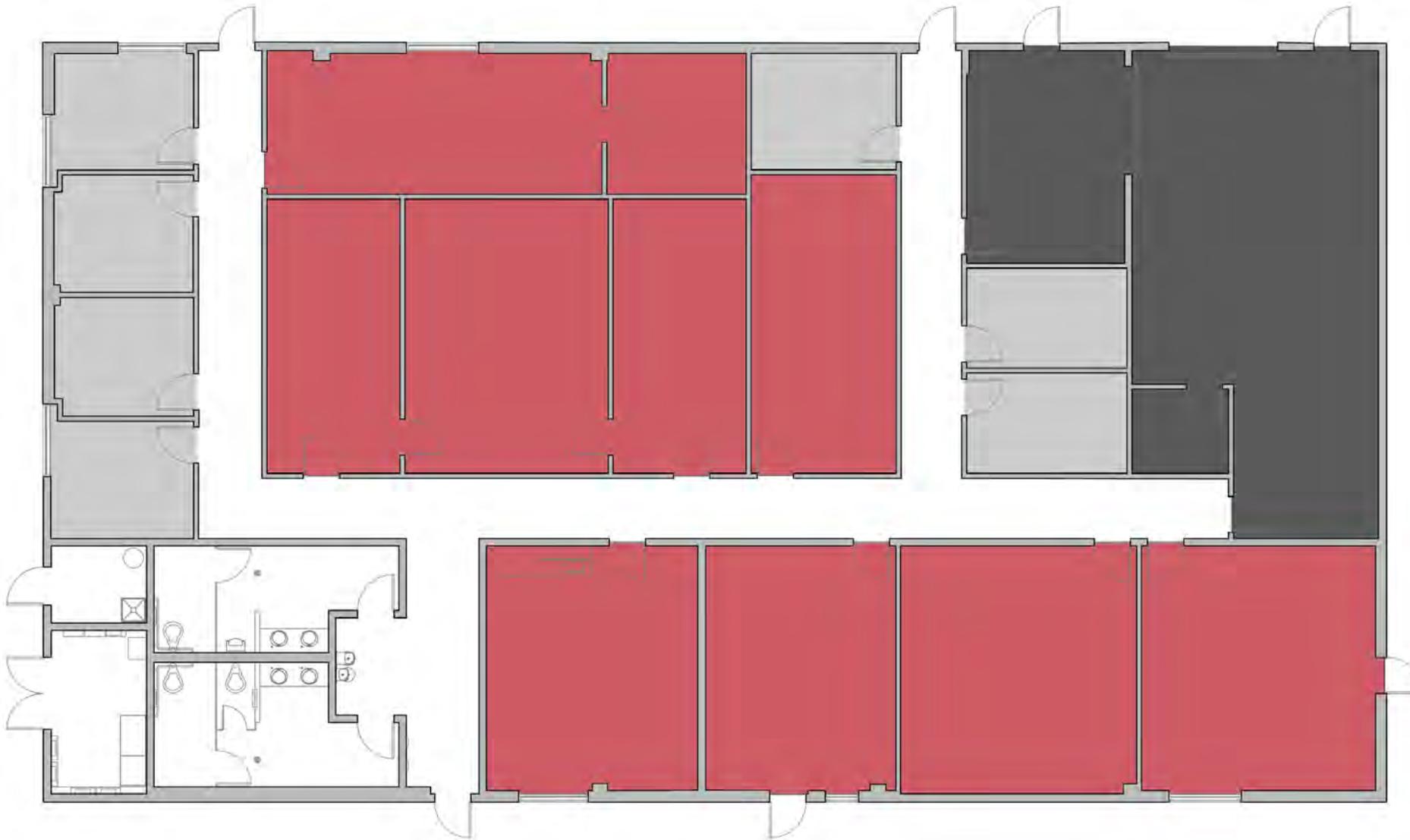
BUILDING A

SPACE UTILIZATION



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-  **8 NEW RESEARCH LABS**
-  **7 NEW OFFICES/CONFERENCE ROOM**
-  **STUDENT CLUB SPACE**

CURRENT PHOTOS (WEEK OF 02/09/21)



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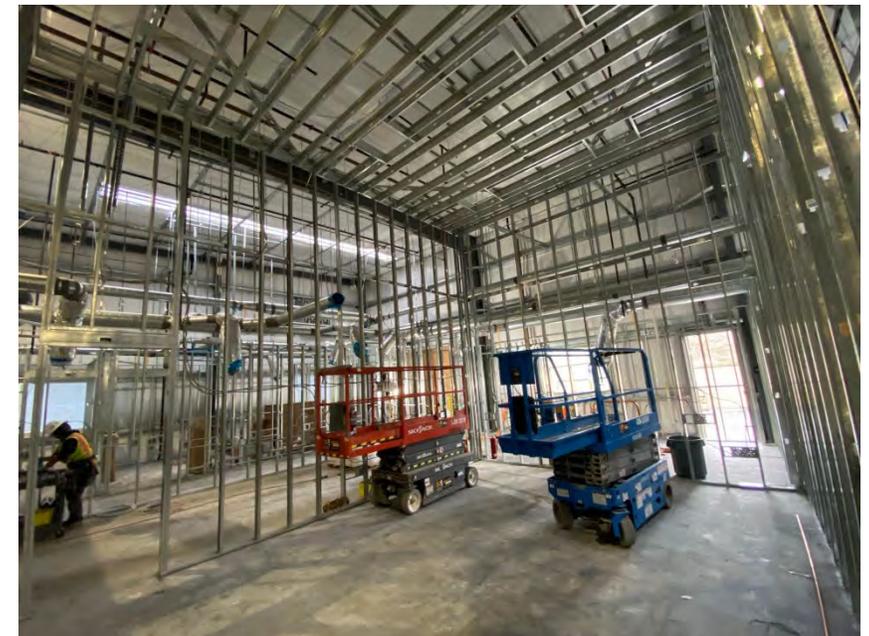
***AIR CONDITIONING
THROUGHOUT BUILDING***



UPGRADED POWER



HIGH CEILINGS, FIRE SPRINKLERS



CURRENT MILESTONE SCHEDULE

ACTIVITY	ANTICIPATED DATES
WALLS/PAINT	NOW – FEBRUARY 25
CEILINGS	FEBRUARY 26 - MARCH 22
ELECTRICAL/MECHANICAL COMMISSIONING	MARCH 17 – APRIL 14
FLOORING	MARCH 22 – MARCH 29
EXTERIOR DOORS (GLASS STOREFRONTS)	MARCH 25
INTERIOR DOORS	MARCH 31 - APRIL 2
FIRE LIFE SAFETY SYSTEM INSPECTIONS	APRIL 5
FINAL INSPECTIONS/OCCUPANCY	APRIL 14 – APRIL 15

MAIN BUILDING RENOVATION: DISPLAY CABINETS



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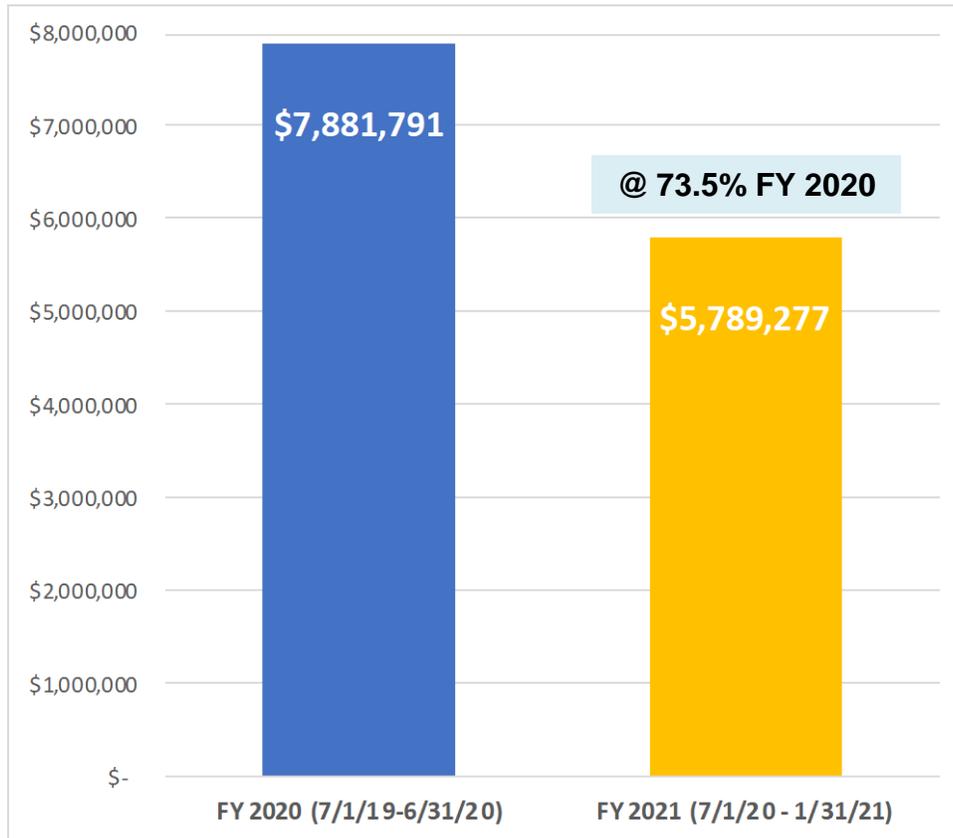


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RESEARCH & GRADUATE PROGRAM UPDATE

RESEARCH DOLLARS



	07/01/2020 to 01/31/2021		
	PIs with one or more award	Total research dollars received by the group	% of Total
PIs with one or more PhD students	9	\$2,182,557	37.7
PIs without PhD students	16	\$3,606,720	62.3
TOTAL	25	\$5,789,277	100

JDP FUNDING REQUIREMENT



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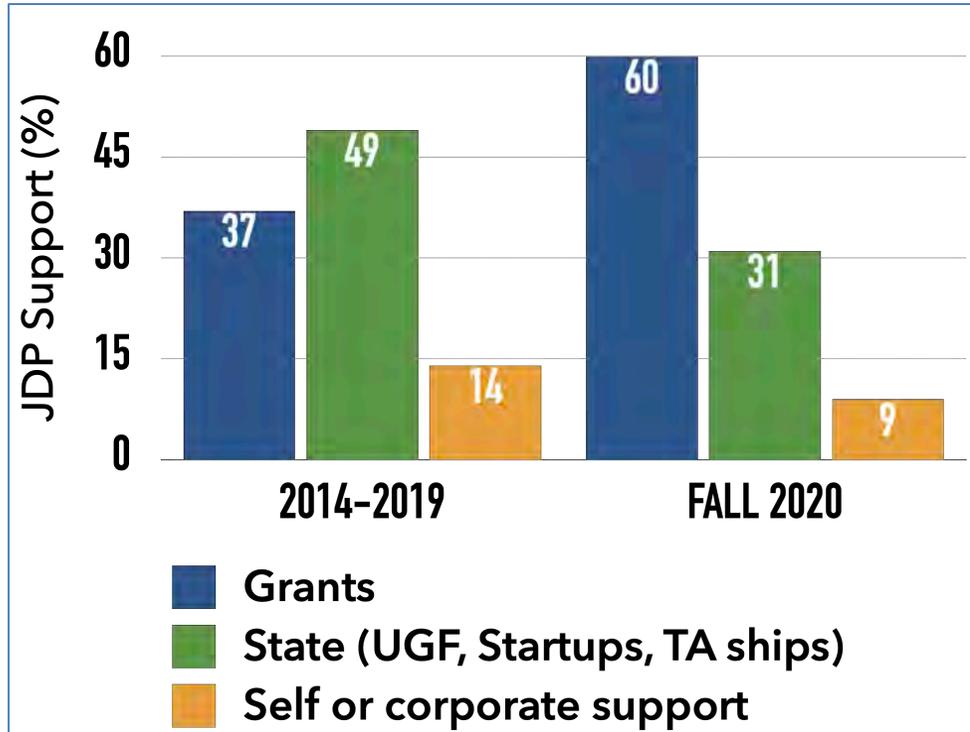
- Per JDP MOU and Bylaws currently being revised and updated
 - Faculty are eligible to serve as student advisors only if they are able to provide students with at least three years of full SDSU-level funding, drawn from external PI grant and/or startup funds or other corporate sources related to their employment

JDP STUDENT SUPPORT



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- State Fund
 - Startups
 - Assistant Professors with \$50-100K
 - Assistant Professors advise 24 out of 48 JDP students
 - UGFs
 - 6 to 8 UGF awards each year (out of 30 awards) ~ 20 to 26%
 - TAships (only 3 students in fall 2020)
 - Teaching up to 7.5 units
 - Teaching 3 units and grading

JDP REVIEW AND MOU



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- Response to External Reviewers was submitted
- We are waiting for response from UCSD Grad Council
- MOU and Bylaws Update
 - Had several meetings
 - Same degree and GPA requirements JDP and UCSD doctoral students
 - The \$5,500 UCSD fee will be discussed in the next meeting

APPLICATIONS TO MASTER'S PROGRAMS



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	New CA Resident Master's Seeking		New Non-resident & International Master's Seeking	
	F 2020	F 2021	F 2020	F 2021
AE	10	21	11	11
BIO	3	8	7	7
CIVE	11	21	21	14
EE	18	19	81	72
ENVE	2	8	2	5
MENG	0	12	3	5
ME	15	28	16	24
TOTAL	59	117	141	138

F 2020 counts are: From 10/01/2019 to 01/31/2020

F 2021 counts are: From 10/01/2020 to 01/29/2021



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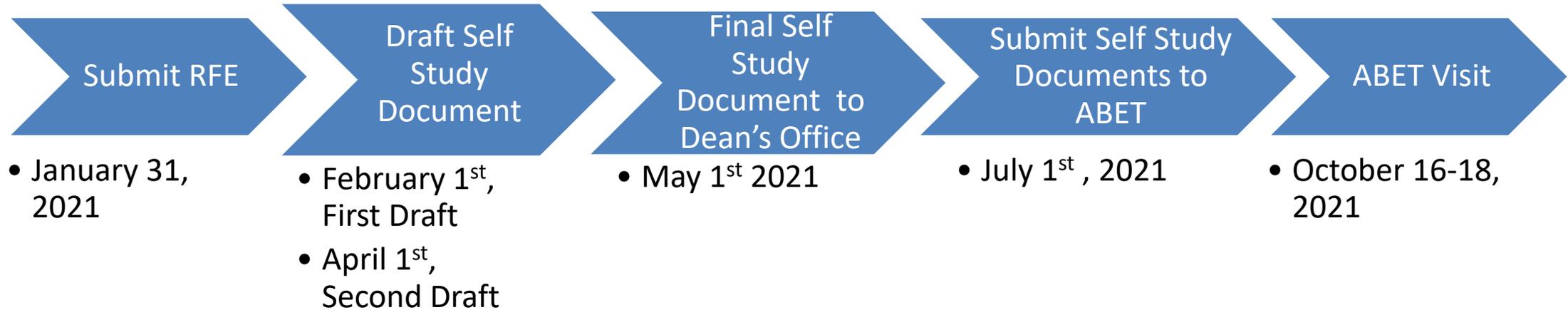
UNDERGRADUATE PROGRAM UPDATE

ABET TIMELINE



- Submitted Request for Evaluation in January and suggested October 16, 2021 as the starting day of the ABET visit.
- Drafts of Self Study Reports due from Departments:
 - First draft - February 1st, 2021
 - Second draft - April 1st, 2021
 - Final document - May 1st, 2021
- Submission of the Self Study Reports to ABET
 - July 1st, 2021
- ABET Visit
 - October 16-18, 2021

ABET TIMELINE



ABET Visit: There is no guidance on whether the visit will be on site or virtual yet. We are going to prepare for both modes until we receive final word from ABET.

ENROLLMENT MANAGEMENT: EXCESS ENROLLMENT



- Some of our students are registering with high number of units (ECE 34 units, CIVE 31 units).
- Advising campaign to reach out to students and advise each student against high number of units.
- Started a process to limit enrollment by requesting a Senate policy change.
- Senate accepted the policy on February 3, to limit maximum number of units students can register without advising to 21 units. To register beyond 21 units students will need approval from the Department.

MULTIFACTOR ADMISSION



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- Eligibility index will not be used for 2021 admission.
- In Spring 2020, the California State University system announced its decision to temporarily suspend the use of ACT/SAT test scores for determining first-time freshmen admission eligibility for the 2021-22 admissions cycle.
- Instead, the CSU requested that campuses develop a multi-factor admissions model (MFA), for which points would be awarded based on a combination of selected academic, non-cognitive and environmental variables.

MULTIFACTOR ADMISSION



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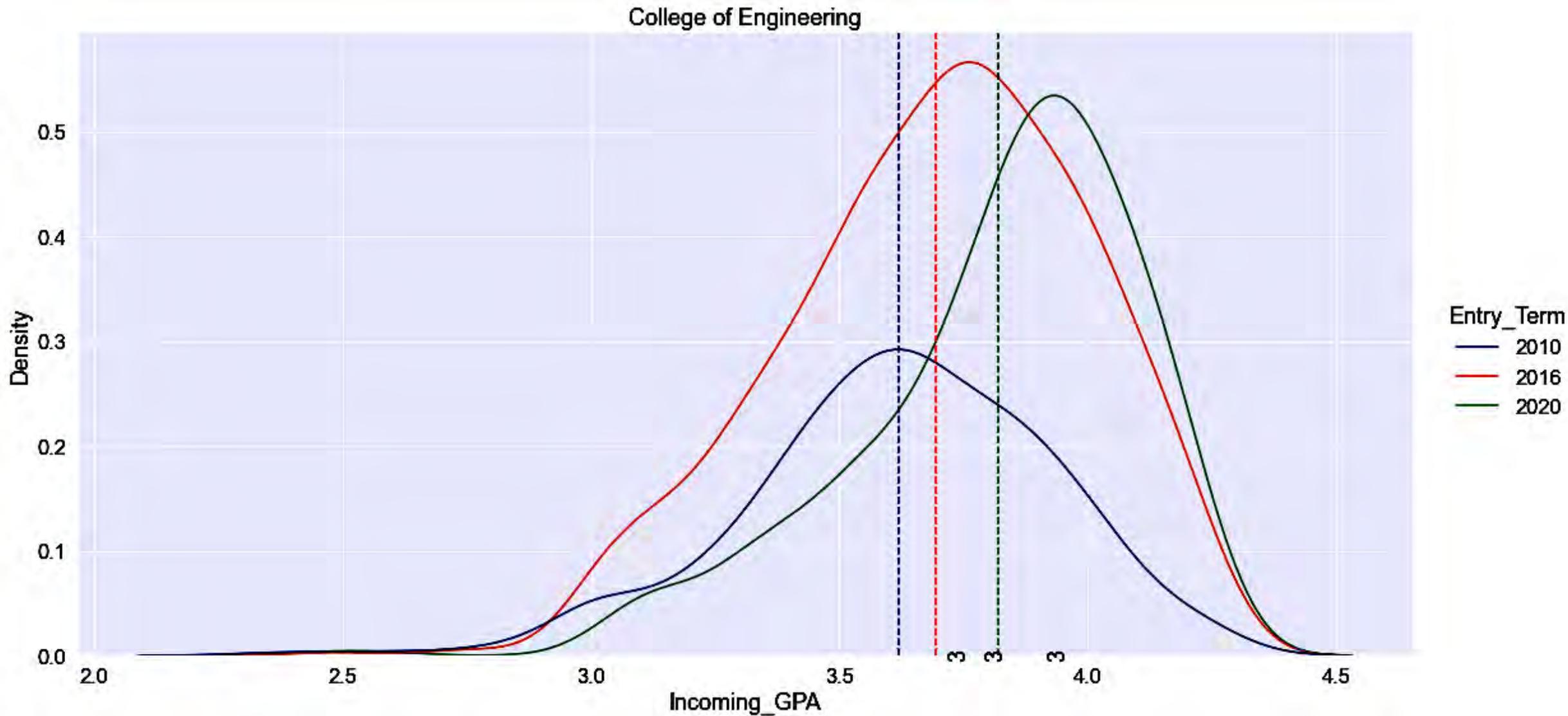
Factor	ENG	Metric
HS GPA	34%	High School GPA
Math/QR GPA	20%	Math and Quantitative Reasoning GPA
Count > 30	25%	Advanced Coursework (a-g course count over 30)
STEM Count	1%	Number of STEM Courses
Math/QR Count	20%	Number of Math and Quantitative Reasoning Courses
Total	100%	

INCOMING GPA VERSUS ENTRY YEAR



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APPLICATIONS/ADMITS/ENROLLED (FTF)



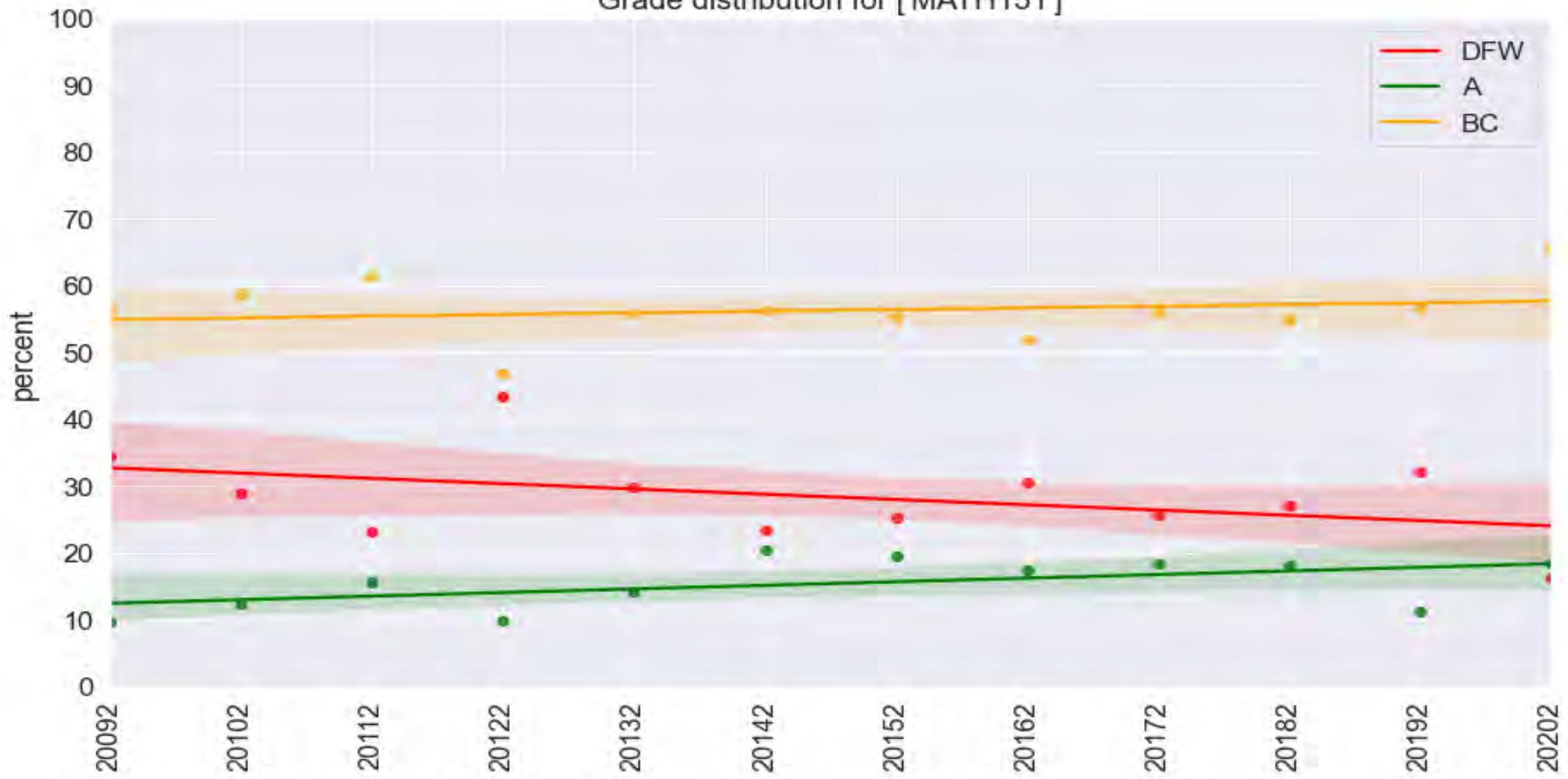
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Entry Year	Apps	Admitted	Enroll	% Admit	% Yield
Fall 2020	6144	3131	565	50.96%	18.05%
Fall 2019	6839	3180	623	46.50%	19.59%
Fall 2018	6958	3316	797	47.66%	24.03%
Fall 2017	6240	3071	772	49.21%	25.14%
Fall 2016	6339	3015	773	47.56%	25.64%
Fall 2015	6090	2861	759	46.98%	26.53%

DEEP ASSESSMENT: GRADE DISTRIBUTION IN MA 151

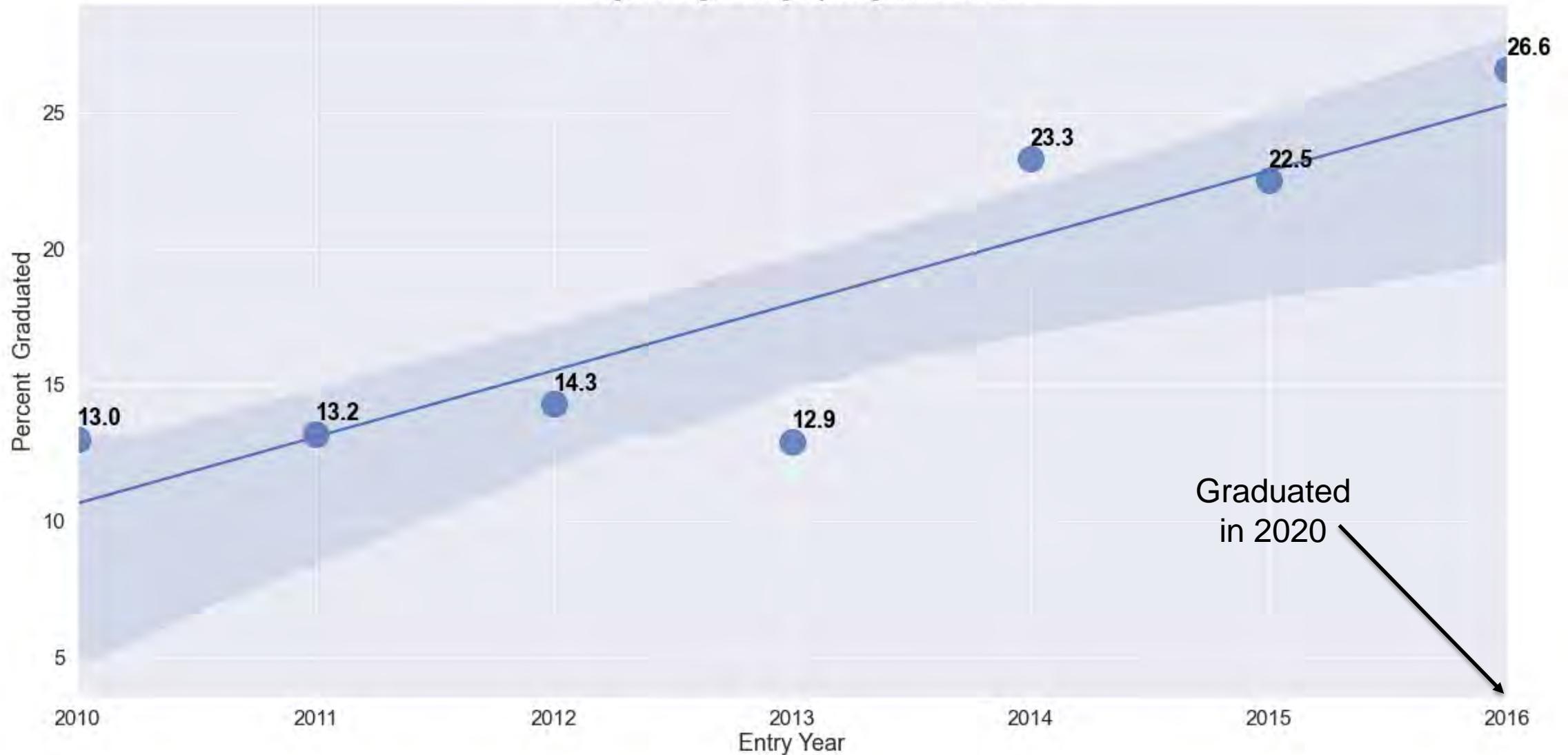


Grade distribution for ['MATH151']



COE 4-YEAR GRADUATION RATES

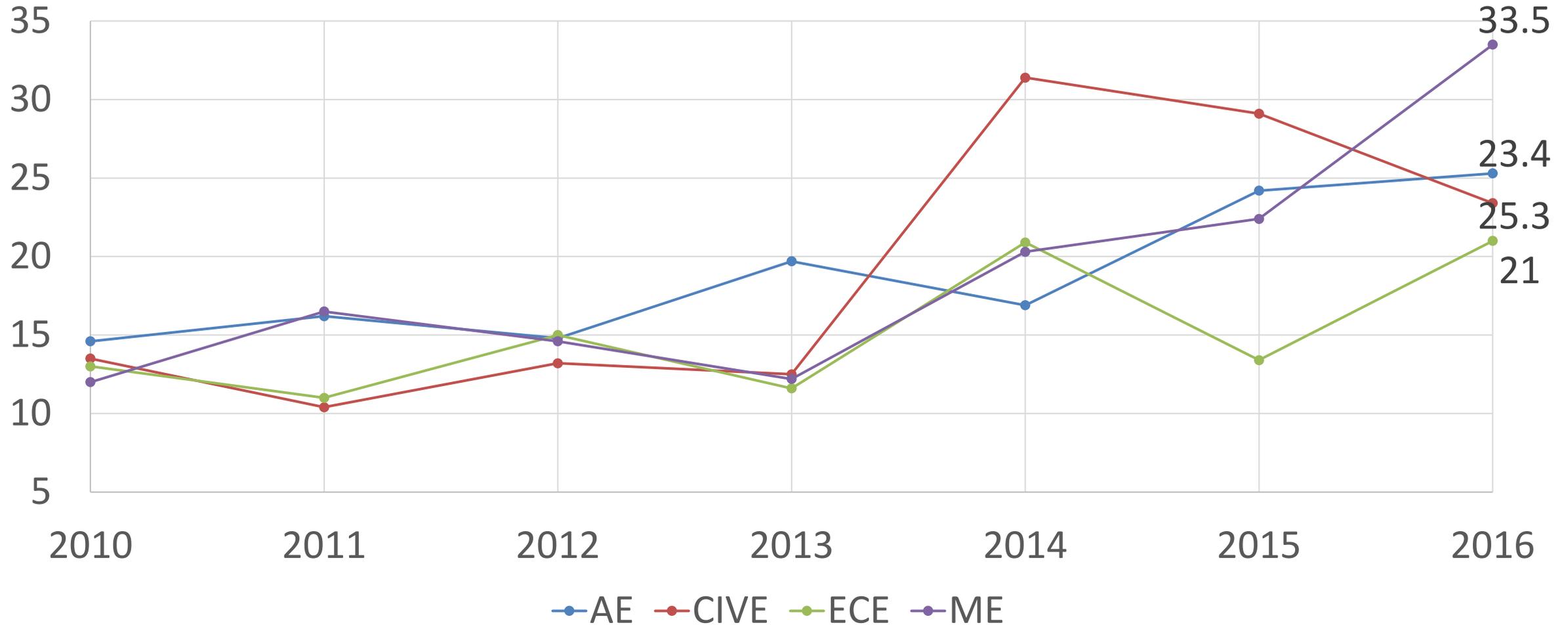
College of Engineering 4 year graduation rate



4-YEAR GRAD PERCENTAGE (DEPARTMENTS)



4 Year Graduation Rate



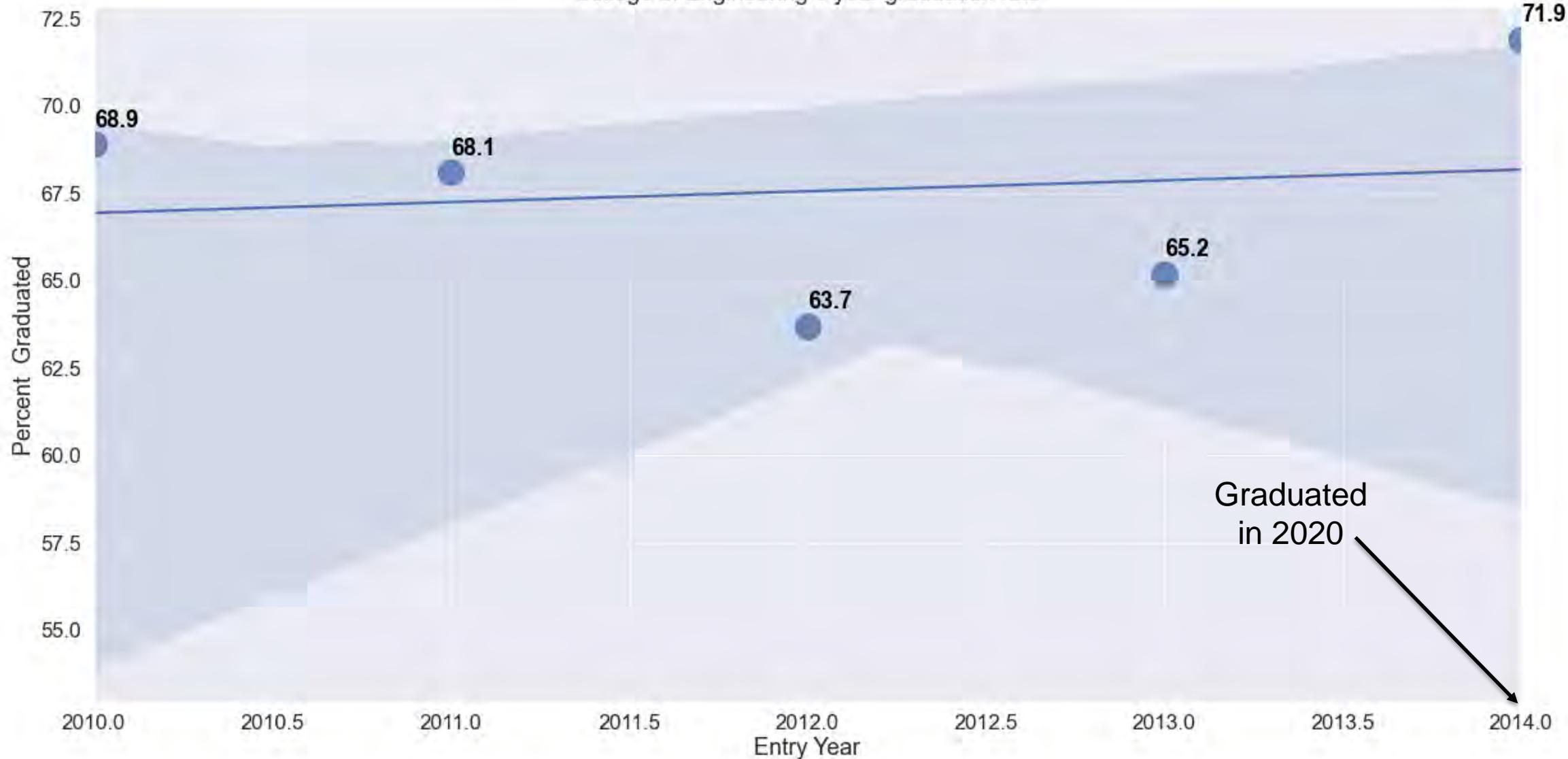
COE: 6-YEAR GRADUATION RATES



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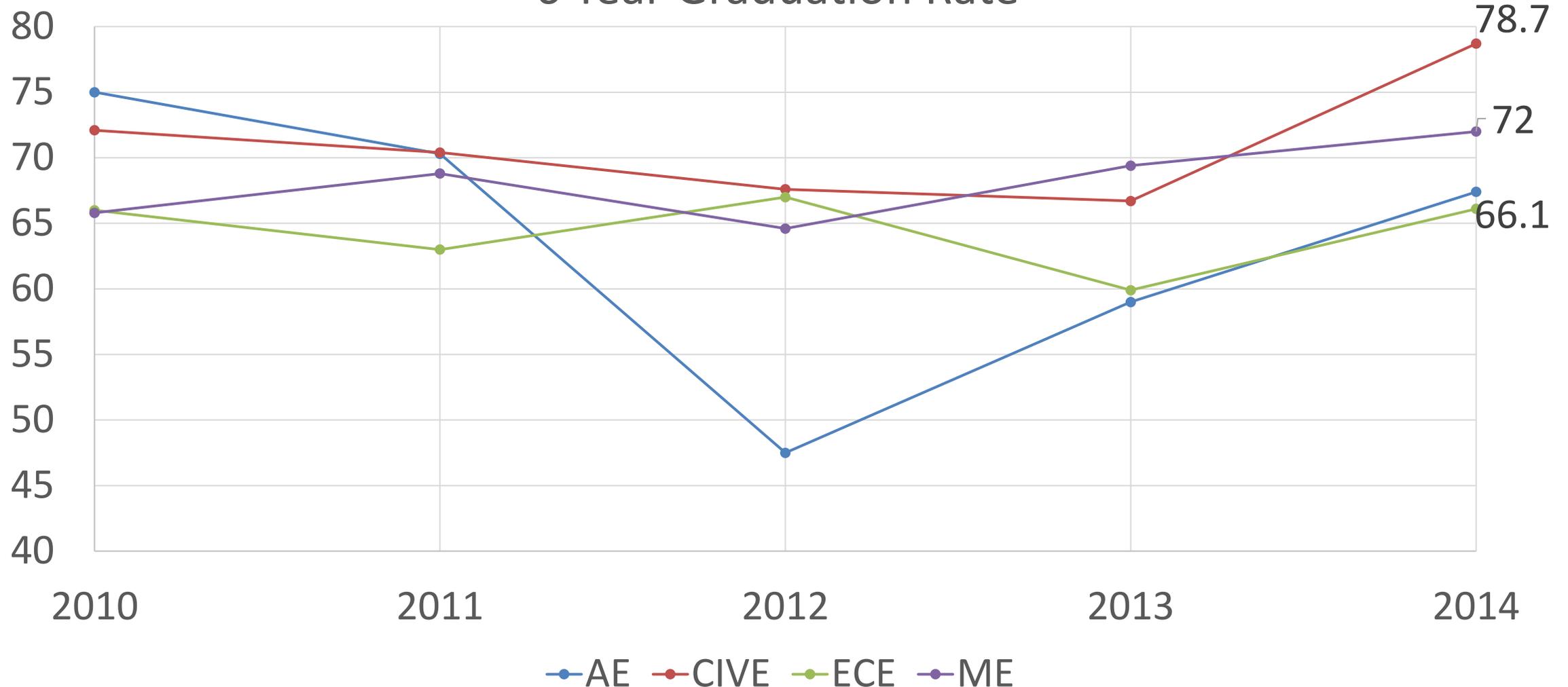
College of Engineering 6 year graduation rate



6-YEAR GRAD PERCENTAGE (DEPARTMENTS)



6 Year Graduation Rate



SCHEDULE UPDATES - SUMMER/FALL 2021



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- Summer 2021: We are scheduling more in person classes and increasing summer offerings. Core courses with high impact are a priority.
- Fall 2021 - Two Plans:
 - Optimistic plan with the assumption of complete vaccine roll out and adequate response to COVID: Most classes in person with a limited number of courses being offered online (larger classes).
 - Contingency Plan: Most courses online allowing more on campus in-person classes.

STUDENT SUCCESS & ENGAGEMENT



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CSSE services continue remotely:

SAN DIEGO STATE UNIVERSITY
Center for Student Success in Engineering

THE CENTER FOR STUDENT SUCCESS IN ENGINEERING (CSSE)

FEBRUARY 2021 WEEKEND ADVISING OPPORTUNITIES TO MEET WITH A CSSE PEER ADVISOR

- PLAN FOR YOUR SUMMER 2021 CLASS SCHEDULE
- ASK ANY ADVISING QUESTIONS THAT YOU MAY HAVE
- REVIEW YOUR MYMAP AND ACADEMIC PROGRESS

SATURDAY, FEBRUARY 6, 2021- 10:00AM TO 1:00PM
SATURDAY, FEBRUARY 13, 2021- 10:00AM TO 1:00PM
SATURDAY, FEBRUARY 20, 2021- 10:00AM TO 1:00PM
SATURDAY, FEBRUARY 27, 2021- 10:00AM TO 1:00PM

DROP IN USING THE ZOOM LINK:

PERSONAL MEETING ID
438 903 7775 HIDE

[HTTPS://US04MEB.ZOOM.US/J/4389037775?pwd=OUhlemIXaUdCVHh0CGxkQXZlVHV3bVU0](https://us04meet.zoom.us/j/4389037775?pwd=OUhlemIXaUdCVHh0CGxkQXZlVHV3bVU0)

NO APPOINTMENT IS NEEDED!

Weekend Advising

CAREERS IN ENGINEERING
2020-2021 PANEL SERIES

- SEP 25 CONSTRUCTION
- OCT 23 AEROSPACE
- NOV 20 MECHANICAL
- FEB 19 ENVIRONMENTAL
- MAR 19 ELECTRICAL
- APR 9 CIVIL
- APR 30 COMPUTER

ALL EVENTS WILL TAKE PLACE FROM 2:00PM-3:00PM ON ZOOM. REGISTER ON **HANDSHAKE** TO ATTEND. ZOOM LINK: [SDSU.zoom.us/j/98906295124](https://sdsu.zoom.us/j/98906295124)

CONTACT BIANCA PORTAL TRUETT FOR ANY QUESTIONS: BPORtal@sdsu.edu

Career Panels

SPRING 2021

SAN DIEGO STATE UNIVERSITY Center for Student Success in Engineering MESA Math Engineering Science Achievement

FREE VIRTUAL DROP-IN TUTORING

<https://mesa.sdsu.edu/activities/coe-tutoring-program>

Courses Offered:

- AE 200, 220, 280, 340
- ME 200, 220, 304, 350, 360
- CHEM 200, 202
- MATH 150, 151
- PHYS 195, 196
- COMPE 160, 470, 475
- EE 300

Peer Tutoring

CESC

College of Engineering Student Council

- All activities are virtual
- CESC website updated and connects to student organizations <https://as.sdsu.edu/cesc/>
 - Peer Mentor Program
 - Coffee with the Deans
- Clubs are active, meet on ZOOM, and work individually on projects

ASCE STUDENT CHAPTER SAN DIEGO STATE



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MECHATRONICS

UPDATE ON COVID PROTOCOL & IN-PERSON CLASS POLICIES



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- In-person instruction remains limited through Spring 2021
- Surveillance testing for students on campus continues
- Spring recess will be offered as rest and recovery days throughout the spring semester as follows:
 - Friday, February 12: Rest and recovery day
 - Monday, March 8: Rest and recovery day
 - Tuesday, March 30: Rest and recovery day
 - Thursday, April 15: Rest and recovery day

Important and Helpful Resources

- SDSU COVID-19 Surveillance Testing Plan - <https://bit.ly/33Di9f8>
- Provost/President Announcements
- SDSU Flex - <https://www.sdsu.edu/flex/faqs>
- SDSU COVID Updates - <https://sacd.sdsu.edu/student-health-services/covid-19/>

SPRING 2021 APPROVED IN-PERSON ENGINEERING CLASSES

In-person
instruction to
begin on
March 1st.

APPROVED+	
A E 403 AERO ENGR SENIOR PROJECT	E E 430 L ELECTRONIC CIRCUITS LAB
A E 460 B AEROSP ENGR APPLICATIONS	E E 458 L COMMUNICATION & DSP LAB
CIV E 218 SURVEY CIV ENG & CON ENG	E E 496 SENIOR DESIGN A
COMPE 496 SENIOR DESIGN A	E E 496 SENIOR DESIGN B
COMPE 496 SENIOR DESIGN B	ENV E 363 ENVIRONMENTAL ENGR LAB
E E 330 L ENGR ELECTRONICS LAB	M E 490 A ENGR DESIGN SENIOR PROJECT
E E 380 L ELEC ENERGY CONVERS LAB	M E 490 B ENGR DESIGN SENIOR PROJECT
E E 420 L CONTROL SYSTEMS LAB	M E 495 MECH & THERMAL SYS LAB

+Only these classes have been approved for in-person sessions for Spring 2021 and must follow SDSU Surveillance Testing Plan

*No in-person meetings for any class not on this list

SPRING 2021

COE IMPORTANT DATES TO REMEMBER



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Spring 2021

- **February 23, 2021 (Tue) – 4:00pm-5:00pm - CoE Virtual Info. Session for Out-of-State Students – via Zoom**
- **March 19-20, 2021 (Fri & Sat) – Virtual Student Research Symposium – More information to be posted at: https://research.sdsu.edu/research_affairs/student_research_symposium**
- **March 20, 2021 (Sat) – 10:00am-12:00pm - Explore SDSU Day 1 (Academic Focus) – via Zoom**
- **April 13, 2021 (Tue) – 11:00am-12:00pm – CoE Faculty Mtg – via Zoom**
- **April 14, 2021 (Wed) – 1:30pm-2:30pm – CoE Staff Mtg – via Zoom**
- **April 17, 2021 (Sat) – 10:00am-12:00pm - Explore SDSU Day 2 (Out of Classroom Focus) – via Zoom**
- **May 5, 2021 (Wed) – 9:00am-12:00pm – Engineering Dean’s Advisory Board Mtg – via Zoom**
- **May 5, 2021 (Wed) – 1:00pm-4:30pm– Spring 2021 Engineering Design Day – via Zoom**
- **May 2021 – Engineering Commencement – Format to be announced**

OTHER BUSINESS



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- Roundtable
- Questions?



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THANK YOU!