



SAN DIEGO STATE  
UNIVERSITY

# COLLEGE OF ENGINEERING

## STAFF MEETING

APRIL 14, 2021

# AGENDA



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- Call to Order
  
- Announcements & Updates
  - Engineering Administration Updates
  - Engineering Development Update
    - Kate Carinder – Senior Director of Development, CoE
  
- State of the College
  - College Personnel and Infrastructure Update
  - Building A Update
  - Research & Graduate Program Update
  - Undergraduate Program Update
  - Community & Communication
  - Update on DEI Council
  - Important Dates to Remember
  
- Other Business
  - Roundtable
  
- Adjournment



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# ANNOUNCEMENTS & UPDATES

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# ENGINEERING ADMINISTRATION UPDATES



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**Congratulations! Effective July 1, 2021, both of the College of Engineering Associate Deans will no longer be Interim!**



**Dr. Temesgen Garoma**

Associate Dean for Graduate Studies & Research



**Dr. Yusuf Ozturk**

Associate Dean for Undergraduate Studies

# DEVELOPMENT UPDATE



## ○ Development Goal FY20/21

- Goal - \$6,000,000
- Raised to Date - \$6,029,937

## ○ College Endowment

- Generous donor giving has allowed the College to double its endowment over the last two years
- 2020 - \$22M and 44 endowed funds
- 2018 - \$11.2M and 29 endowed funds

## ○ Cash Giving

- One donor provided \$500,000 in cash gifts to support Rocket Project, which enabled students the resources to complete their project and set a world record

## ○ Development Priorities

- Faculty Chairs and Professorships
- Scholarship Support
- Diversity, Equity & Inclusion Initiatives
- AGC Chair in Construction Management
- Mechanical Engineering Support
- Aztec Electric Racing
- Naming the College of Engineering



# DEVELOPMENT UPDATE



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## ○ **New Endowments since 2018**

- Alfredo and Sandra Aldrete MESA Scholarship Endowment
- Dan and Ann Brown Research Support Endowment
- DN Tanks Scholarship Endowment
- Georgia Griffiths Scholarship Endowment
- fred harris Chair in Digital Signal Processing
- Chuck and Kathy Mendenhall Faculty Excellence Endowment
- Alex Mora MESA Scholarship Endowment
- Ellen Ochoa Femineer Endowment
- Rick Engineering Scholarship Endowment
- Paul Stuverud MESA Scholarship Endowment
- Andrew Szeto Endowment for Rehab/Assistive Technology

## ○ **New AGC Chair Endowments since 2018**

- Bergelectric
- Harper Construction
- Marathon Construction
- McCarthy Construction
- AGC SD

# ENGINEERING ALUMNI RECOGNITIONS

## Honorary Doctorates

2020

Dr. Joseph E. Kiani, '85, '88  
*Honorary Doctor of Science*  
*College of Engineering*



2021

Dr. Stephen P. Doyle, '80  
*Honorary Doctor of Science*  
*College of Engineering*



## SDSU Distinguished Alumni

College of Engineering, 2020

Mr. Roger Ball, '74  
*President, Rick Engineering Company*





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# STATE OF THE COLLEGE

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# UPDATE ON COLLEGE PERSONNEL

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# 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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# UPDATE ON RENOVATION OF BUILDING A

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***BUILDING "A" RENOVATION***

# PROGRESS PHOTOS (WEEK OF 02/09/21)



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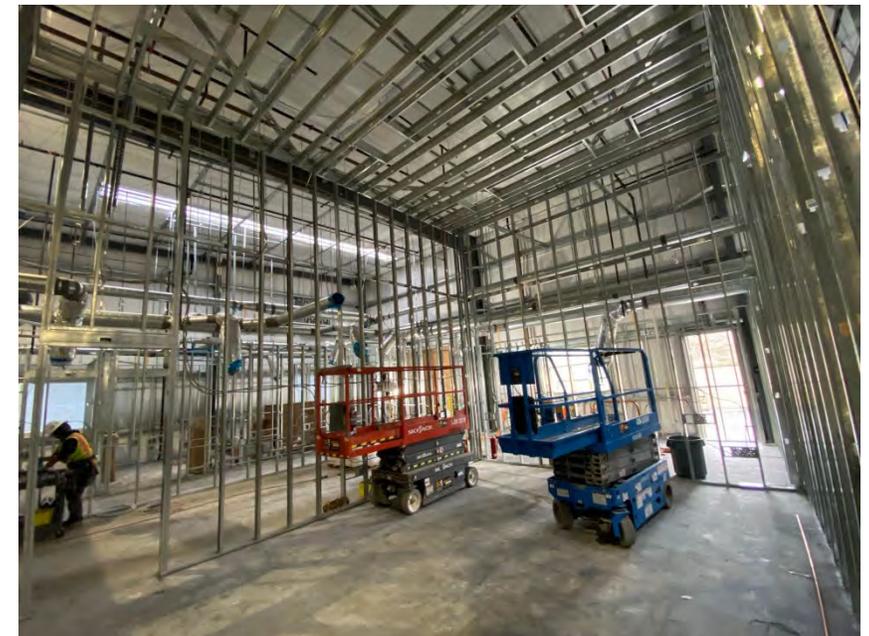
AIR CONDITIONING  
THROUGHOUT BUILDING



UPGRADED POWER



HIGH CEILINGS, FIRE SPRINKLERS



# BUILDING INTERIORS (WEEK OF 04/05/21)

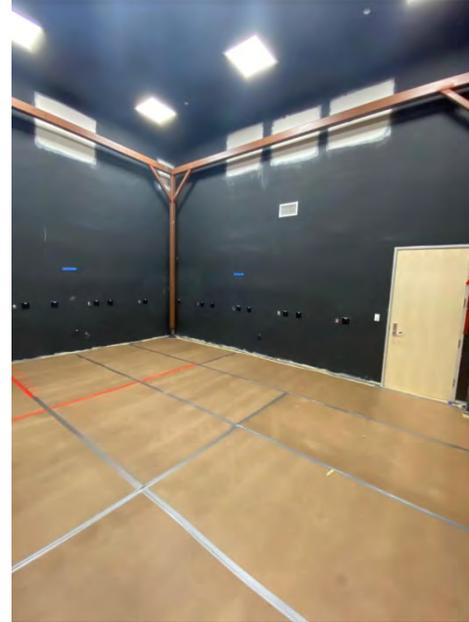


INTERIOR  
PALETTE

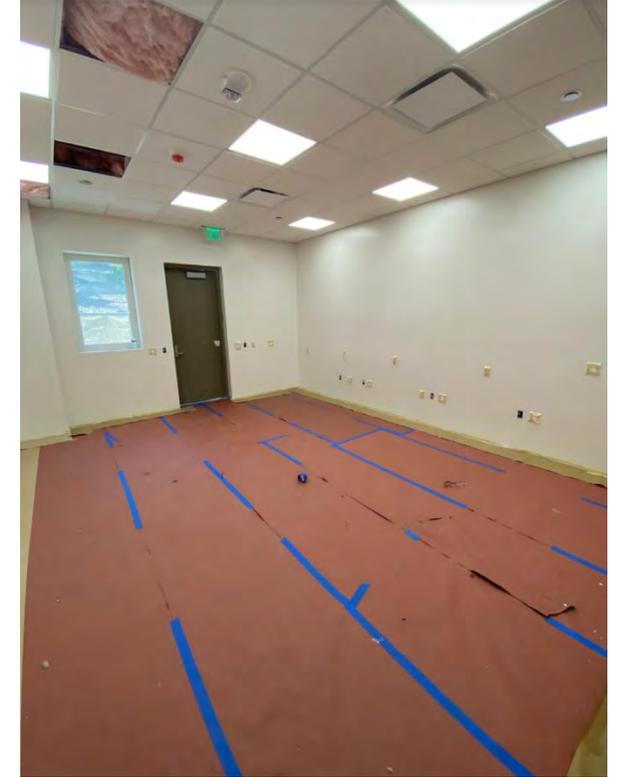
INTERIOR  
HALL



FACULTY  
KITCHENETTE



DRONE FLIGHT  
LAB



TYPICAL LAB



# BUILDING FEATURES (WEEK OF 04/05/21)



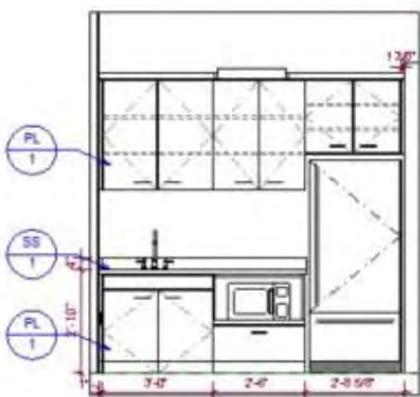
INFRASTRUCTURE AND MEZZANINES FOR EQUIPMENT: FUME HOODS, SNORKELS, SINKS, COMPRESSED AIR, VACUUM

AIR CONDITIONED SHOP SPACES WITH LOCKOFF GATE



ACOUSTIC WALLS SURROUND SHOP SPACES

FACULTY KITCHENETTE



IMPROVED ENTRANCES (SIGNAGE GRAPHICS IN PRODUCTION)



# CURRENT MILESTONE SCHEDULE



<b>ACTIVITY</b>	<b>ANTICIPATED DATES</b>
<b>ELECTRICAL/MECHANICAL COMMISSIONING</b>	<b>NOW – APRIL 19</b>
<b>FIRE/LIFE SAFETY FINAL INSPECTION</b>	<b>APRIL 14</b>
<b>PUNCH WALK</b>	<b>APRIL 23</b>
<b>PUNCH LIST (CORRECTIONS)</b>	<b>APRIL 26 – APRIL 30</b>
<b>FINAL CLEANING</b>	<b>APRIL 28 – APRIL 30</b>
<b>FINAL COMPLETION</b>	<b>MAY 4</b>
<b>SIGNAGE</b>	<b>MAY 2021</b>
<b>FURNITURE INSTALLATION</b>	<b>JUNE 2021</b>



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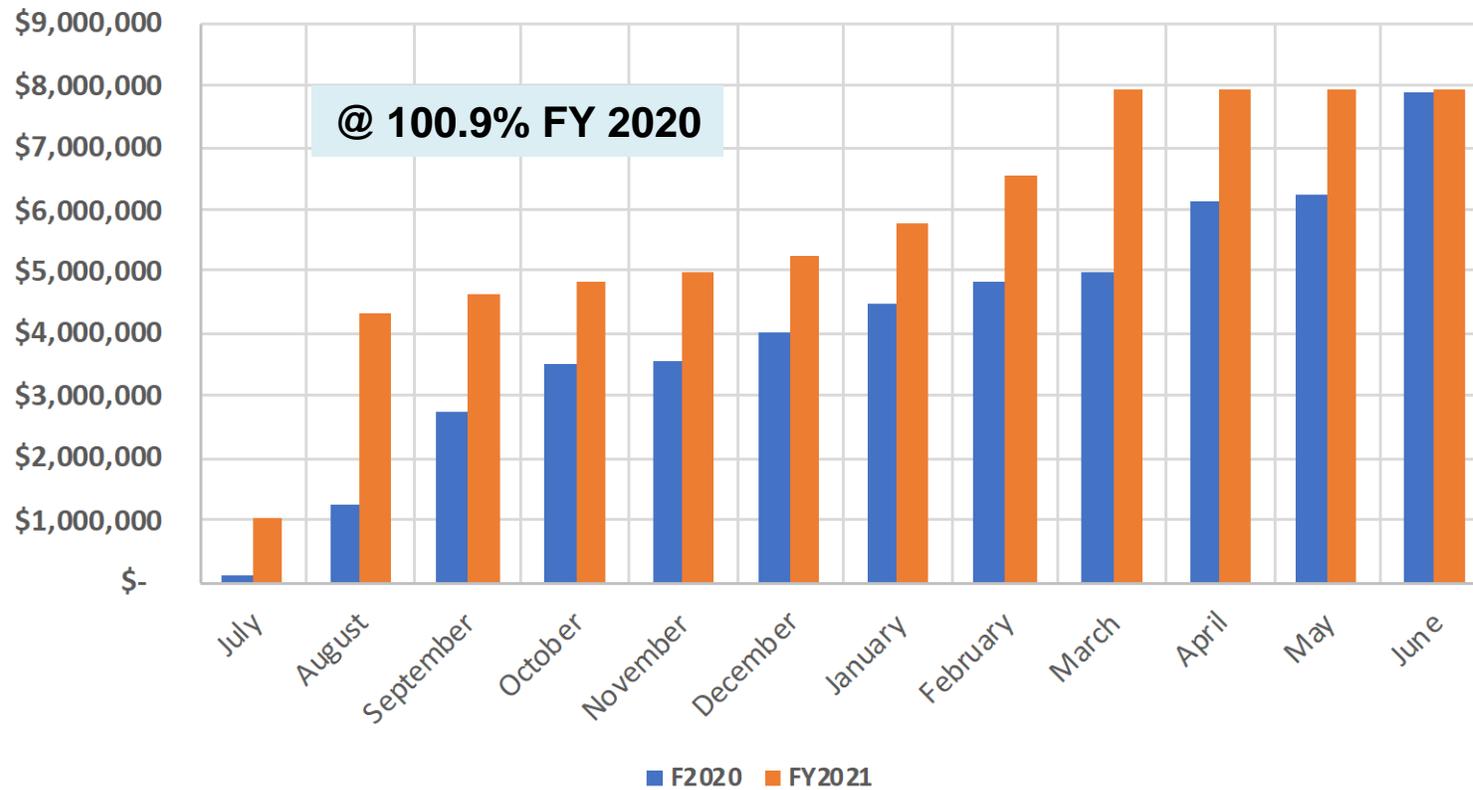
# RESEARCH & GRADUATE PROGRAM UPDATE

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# RESEARCH DOLLARS



### Cumulative Total Research Dollars

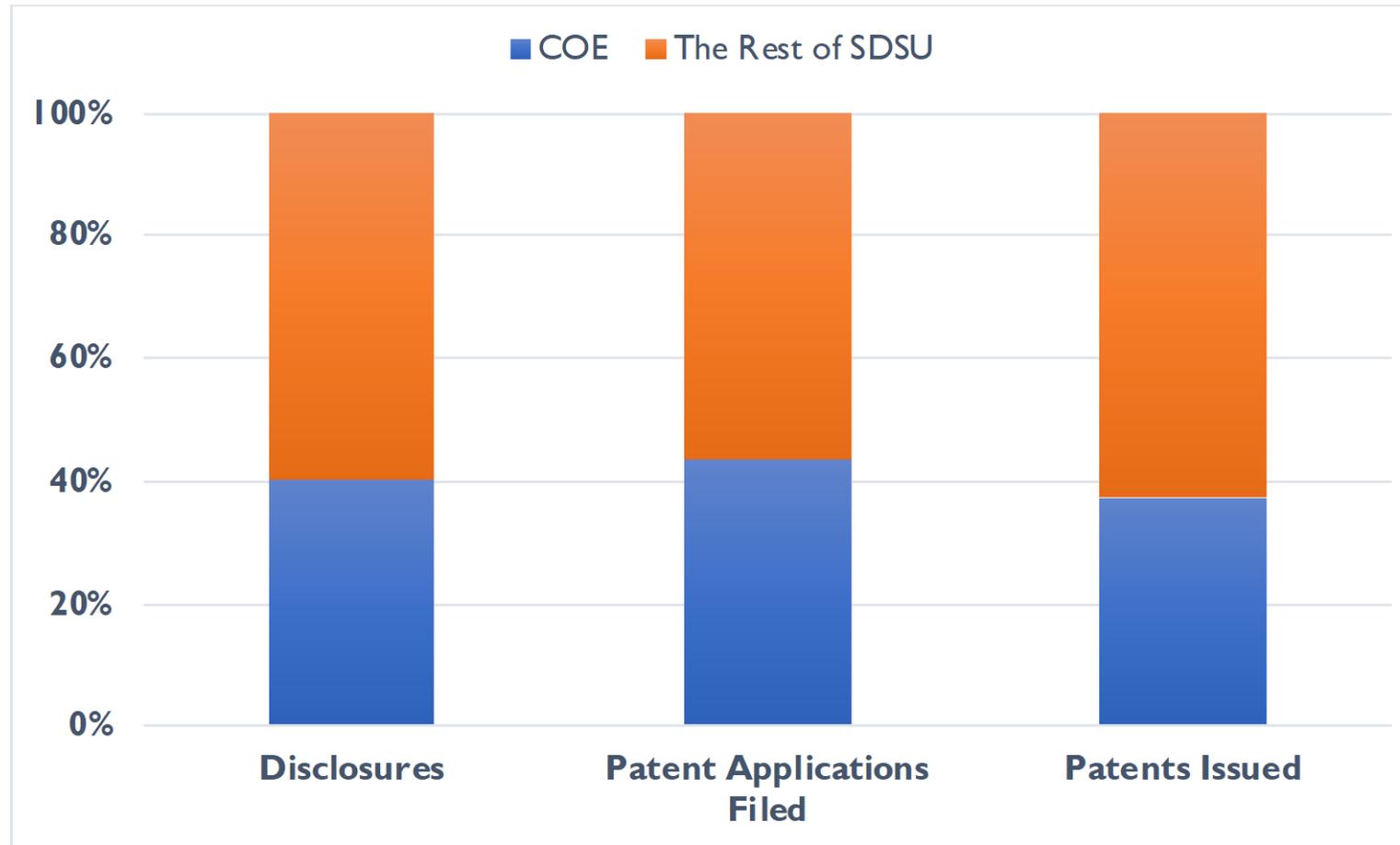


# TTO DATA FOR COLLEGE OF ENGINEERING FY 2017-2021\*



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\* FY 2021 data is through March 9, 2021

# JDP FALL 2021 APPLICATIONS

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- 102 applications were submitted
- The JDP Steering Committee held six review rounds
  - A total of 69 applications were reviewed
  - 34 applicants recommend for admissions and were asked to submit their applications to UCSD Departments
  - 25 applicants were NOT recommended for admissions
- Seven applications were recommended for admissions by UCSD MAE Department
- We are still waiting to receive response from UCSD Departments on the rest of the applications

# JDP REVIEW AND MOU

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- UCSD Grad Council recommended continuation of the program
- Administrative Wrap-Up Review Meeting is scheduled for May 3, 2021
- 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

# NEW CA RESIDENT MASTER'S SEEKING

Master's Programs	Applications		Admits			Intents to Enroll	
	F 2020	F 2021	F 2020	F 2021	F21 Target	F 2020	F 2021
AE	25	40	9	10	35	1	0
BIO	15	21	10	6	15	0	0
CIVE	27	43	9	6	30	2	0
ECE	42	32	29	19	40	6	2
ENVE	2	19	2	2	6	0	0
Master Engineering	0	15	0	5	6	0	1
ME	28	57	5	12	30	0	2
<b>TOTAL</b>	<b>139</b>	<b>227</b>	<b>64</b>	<b>60</b>	<b>162</b>	<b>9</b>	<b>5</b>

F 2020 counts are: From 10/01/2019 to 03/27/2020

F 2021 counts are: From 10/01/2020 to 03/26/2021

# NEW NON-RESIDENT & INTERNATIONAL MASTER'S SEEKING



Master's Programs	Applications		Admits			Intents to Enroll	
	F 2020	F 2021	F 2020	F 2021	F21 Target	F 2020	F 2021
AE	17	20	7	4	15	0	1
BIO	13	12	4	2	10	1	0
CIVE	34	44	6	1	20	1	1
ECE	116	122	60	31	80	3	10
ENVE	2	8	2	0	6	0	0
Master Engineering	8	12	0	0	4	0	0
ME	34	40	8	10	20	0	1
<b>TOTAL</b>	<b>224</b>	<b>258</b>	<b>87</b>	<b>48</b>	<b>155</b>	<b>5</b>	<b>13</b>

F 2020 counts are: From 10/01/2019 to 03/27/2020

F 2021 counts are: From 10/01/2020 to 03/26/2021



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# UNDERGRADUATE PROGRAM UPDATE

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# ABET PREPARATIONS

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- ABET visit will be virtual in 2021-2022 cycle.
- Second draft of the ABET Self Study Document is completed on April 1<sup>st</sup>.
- Final version of the ABET Documents is due in Dean's office on May 1<sup>st</sup>.
- July 1<sup>st</sup> : Self study documents will be submitted to ABET
- July 2021 : Meeting with the ABET Visit Team Leader
- August 2021: Upload all Virtual Visit Review Materials on Google Drive.

# ABET PREPARATIONS

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- The Visit most likely spread over a longer period. The Laboratory and Classroom visits will be completed before the ABET virtual visit days.
- We will need to prepare a 10-minute video of each laboratory used for instruction. We have 19 laboratories used for instructional purposes.
- Department Chairs will contact faculty teaching laboratory courses and courses that have a lab component for narratives for lab introductions.

# FALL 2021 WILL BE PREDOMINANTLY IN-PERSON

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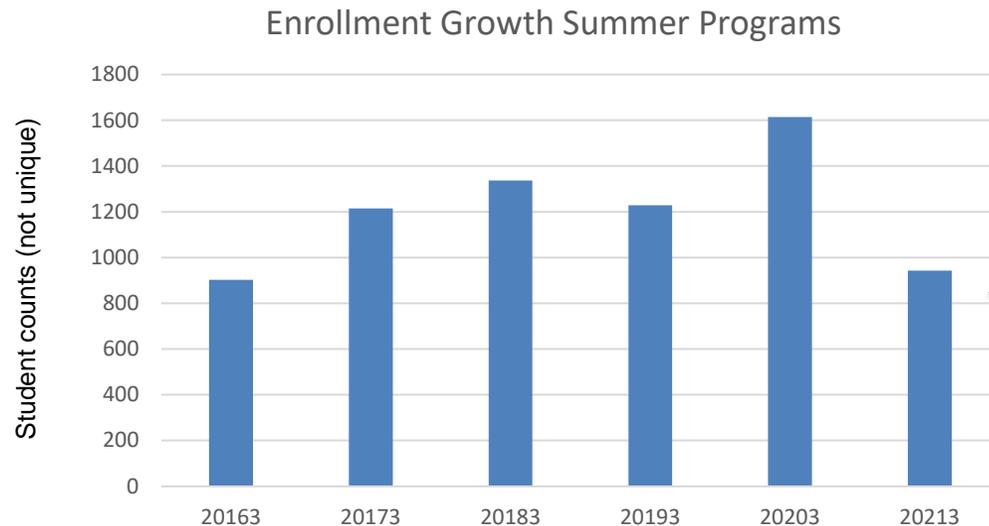
College of Engineering

- Governor Announcement
- Full time in-person instruction
- Requirements in Fall Semester
  - Testing if not vaccinated
  - Vaccinations
  - Masks
- Proof of vaccination or frequency of testing is being explored for students
- No capacity limitation, no distance limitations
- Schedule: Fall 2021 schedule will be released on May 10
- TENTS are no longer considered

# SUMMER 2021 SCHEDULE



- We are offering 44 courses in the Summer 2021 semester (Offered 40 courses in 2020, 35 courses in 2019)



Registrations are continuing.  
We expect to hit our target  
(292 FTES).

We are offering several lab  
sections in person during  
the summer 2021 program.

# UPDATE: SPRING 2021 & FALL 2021 PLANS AND REGISTRATION



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Remaining spring 2021 Rest and Recovery Day:

- Thursday, April 15: Rest and recovery day

Due to recent state and local changes to less restrictive guidelines (as of 4/7/21):

- Fall classes will return to mostly in-person (exceptions considered as needed by faculty or students); vaccines or COVID results may be required
- Fall schedule will be available online beginning May 10, 2021
- Fall registration information will be in students' WebPortal on May 10
- Fall registration will begin May 25

## 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/>

# STUDENT SUCCESS & ENGAGEMENT



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Center for Student  
Success in Engineering

- CSSE services continue remotely throughout spring
- Peer advising information and appointments, [csse.sdsu.edu](https://csse.sdsu.edu)
- Drop-In tutoring continues until May 6th (last day of spring 2021 instruction)

SPRING 2021

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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**

**C = SC**  
College of Engineering  
Student Council

- All activities are virtual
- With changing guidelines surrounding pandemic, one in-person event has been allowed on campus for spring
- Clubs are anxious to return to full in person activities



# STUDENT SUCCESS & ENGAGEMENT (CONT...)

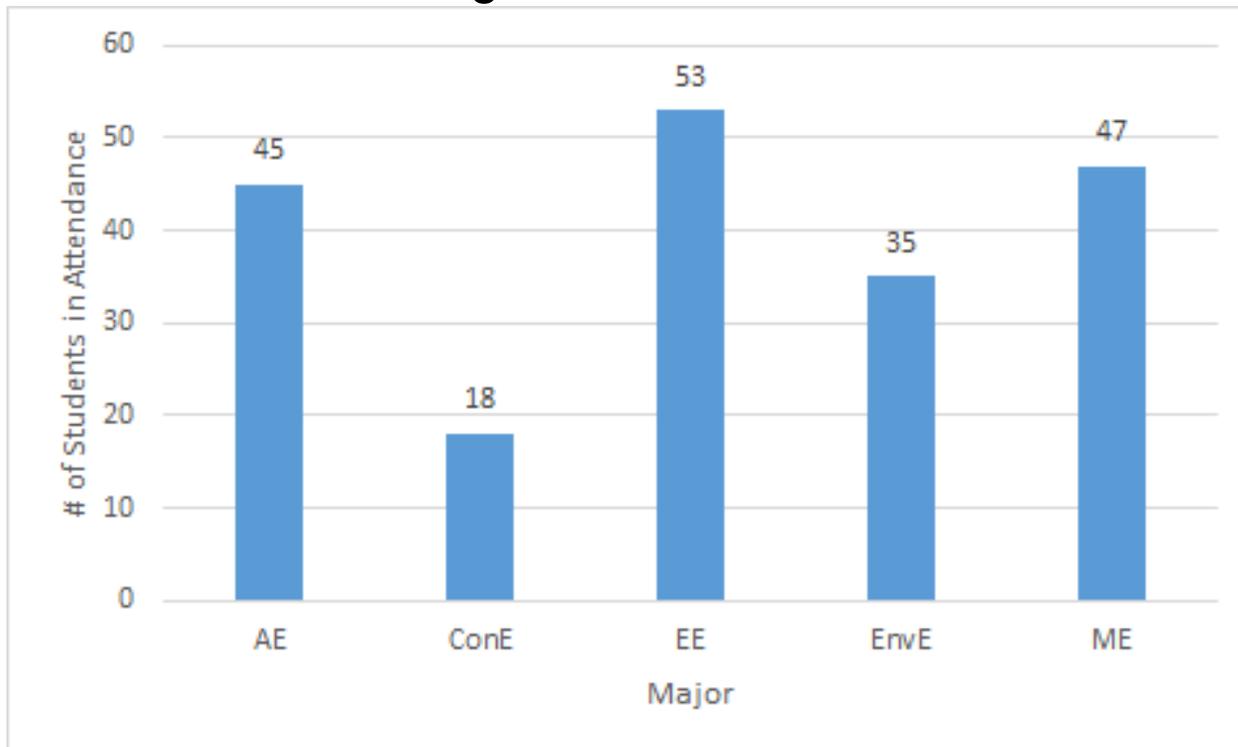


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## Career Panels

- Remaining for spring 2021
  - Civil, 4/9
  - Computer, April 30
- Yield an average 40 students each



**CAREERS IN ENGINEERING**  
2020-2021 PANEL SERIES

**CAREERS IN**

- 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: [BPOTAL@SDSU.EDU](mailto:BPOTAL@SDSU.EDU)

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Center for Student Success in Engineering

SAN DIEGO STATE UNIVERSITY  
Career Services  
Division of Student Affairs and Campus Life

# SPRING 2021 PRO-ACTIVE ADVISING APPROACH

SDSU Navigate (EAB) - <https://studentsuccess.sdsu.edu/navigate-sdsu>

- Campus wide utilization by fall 2021
- CoE Spring 2021 Pilot
  - Aligns with SDSU Strategic Plan and with GI 2025 goals
  - Purpose: connect students to advisors (pre-major and major)
  - Launched Appointment Campaigns to targeted students
- More information provided at Provost's Advising Forum on April 16th, contact Christine Molina, [cvidena@sdsu.edu](mailto:cvidena@sdsu.edu) to RSVP





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# COMMUNITY & COMMUNICATION

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# FEMINEER® & WOMEN IN ENGINEERING



## • Connecting with Femineer® Teachers

- Hosted Virtual Educator Collaboration seminars
- In process of getting all 3 Femineer® curriculum UC A-G approved
- Created program content and updated NEO Learning Management System



## • Affiliate University Partner Monthly Meetings

- Bi-monthly Zoom meetings with Cal Poly Pomona partners
- Planned virtual opportunities for schools nationwide
- Virtual Femineer® Summit - May 12, 2021
  - Multiple Sponsorships and Donations
  - Part of Remake Learning Days
- Planning/co-hosting Femineer® Summer Camps



## • Connecting with Femineer® & WE Students

- Twitter & Instagram (@Femineer\_SD and @SDSU\_WE)
  - Total of # Followers - Instagram: 239, Twitter: 278
- Posted past Femineer® Challenges & STEM Talks on SDSU Femineer® Program YouTube Channel
  - Over 1,095 views
- WE Coffee Hours
  - Hosting 3 virtually during Spring 2021
  - Engaged ~15-20 participants each Coffee Hour
- WE Chat
  - Hosted 1 virtually via Zoom during Spring 2021
  - Engaged ~20-35 participants each WE Chat
  - Speaker included: 1 local engineer



## • STEM Talk Day with Industry

- Hosting 3 Zoom webinars for Spring 2021 featuring



- Engaging 100+

## • E-Week Events

- Led workshop during San Diego STEM Ecosystem's Role Model Training
- Created 2 videos - Introduce a Girl to an Engineer and Introduce a Girl to an Engineering Student
- STEM Talk with Industry featuring Northrop Grumman

## • WE Coloring Book - Volume 1

### COLORING BOOK DISTRIBUTION STATISTICS

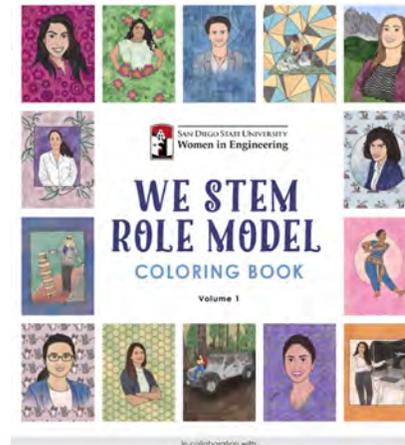
SCHOOLS AND PROGRAMS: 57

U.S. STATES REACHED: 6

SCHOOLS/PROGRAMS/LIBRARIES IN SAN DIEGO COUNTY: 32

PROGRAMS/SCHOOLS THAT SERVE 45+ % FREE & REDUCED LUNCH: 43

TOTAL COLORING BOOKS AWARDED AS OF 3/30/2021: 1500+







# TROOPS TO ENGINEERS



## Business as Usual: “Adapt and Overcome”

- Support with obtaining paid internship and jobs
- Continued community and industry partner engagement
- Compiling and consolidating University relevant resources for students - posted on program websites
- Implementing a variety of virtual tools to efficiently communicate with students (**Zoom, GoogleMeet, GroupMe, Youtube, Discord**, etc.)



## Spring 2021 Semester Wrap up: “Home stretch”

- ➔ Check-in with students
  - ◆ Monthly Lunch Hour Check-in
  - ◆ 20 students projected to graduate in Spring/Summer
- ➔ 7 virtual professional development events
  - ◆ Welcome Back Mixer - Engineering Panel
  - ◆ Professional Development Tips and Tricks with Northrop Grumman
  - ◆ BAE Systems Information Session
  - ◆ Boeing Information Session
  - ◆ Lockheed Martin Information Session
  - ◆ Booz Allen Hamilton Information Session
  - ◆ 1x1 Mock interviews and Resume Reviews
- ➔ Emerging Engineer Identity Course - launches Fall 2021
  - ◆ Designed to mitigating transitional barriers of student veterans by exploring the development of their new emerging engineer identity and navigating the physical and emotional challenges of simultaneously pursuing a degree and job searching.
  - ◆ Incorporate industry partners/SME's to continue to provide professional development and career readiness.

# WED 5/5 VIRTUAL ENGINEERING DESIGN DAY



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## Virtual Engineering Design Day

Wednesday, May 5, 2021

1:00pm-4:30pm

Zoom Webinar Link:

<https://SDSU.zoom.us/j/83277265234>

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Wednesday, May 5, 2021 | 1:00pm-4:30pm

Please register for the event at:  
[https://SDSU.zoom.us/webinar/register/WN\\_zAnx12RgRi2ReAQ1KbUing](https://SDSU.zoom.us/webinar/register/WN_zAnx12RgRi2ReAQ1KbUing)

SPRING 2021 VIRTUAL  
**ENGINEERING  
DESIGN DAY  
IS COMING!**

- **1:00pm-1:15pm – General Session Webinar**
  - Remarks from President de la Torre
  - Overview of Design Day by Dean Olevsky
- **1:15pm-4:30pm – Student Project Zoom Visits**  
After General Session Webinar participants will be able to visit individual student project Zoom links to interact with students.

Each Department will have their own Design Day web page for their student projects and will include:

- Picture of Project
- 5-min YouTube Video of Student Project
- PDF of Project Poster
- Zoom Link





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# UPDATE ON DEI COMMITTEE

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# DEI COMMITTEE: SPRING 2021 ACTIVITIES



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- **Coordinating with Department DEI Committees:**
  - Individual meetings with each Department Committee to ensure their success in establishing a Department DEI Plan
- **Focus on Goal#2: Increasing URM graduate students:**
  - Meetings and Seminars with NSBE (African American), SHPE (Latinx) and General body Student Council – data gathering straight from students – what are their major roadblocks to attending graduate school
  - Meeting with Associate Dean, Assistant Dean, AVP for Research Advancement, PI of MERK program – what could be potential strategies, strategies that have worked or haven't worked
  - Committee brainstorming on programs that can be launched in the College
- **Resources, Resources, Resources:**
  - Tentative budget (of \$85K) to implement DEI strategies for the College was submitted to University DDI Council

# SPRING 2021 & FALL 2021

## CoE IMPORTANT DATES TO REMEMBER

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### Spring 2021

- **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 26, 2021 (Wed)** – 1:00pm – **Engineering Commencement** – Virtual and In-person at Petco Park

### Fall 2021

- **August 20, 2021 (Fri)** – 1:00pm-4:00pm – **CoE Fall 2021 Retreat** – Format to be determined

# OTHER BUSINESS



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- Roundtable



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**THANK YOU!**