



Santa Clara  
Engineering  
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# School of Engineering PARENT WELCOME

Summer 2025

Dr. Jes Kuczenski <[jkuczenski@scu.edu](mailto:jkuczenski@scu.edu)>

Engineering Associate Dean for Undergraduate  
Studies





# OVERVIEW



Santa Clara  
Engineering

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- Welcome to SCU!
  - Brief history
  - Current demographics and statistics
- About the curriculum
  - Course advising and enrollment
- Student resources



# SCHOOL OF ENGINEERING



Santa Clara  
Engineering

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Santa Clara University's Vision: To educate citizens and leaders of competence, conscience, and compassion and cultivate knowledge and faith to build a more humane, just, and sustainable world.

1777

Mission Santa Clara de Asis

Established by the Franciscan Order as part of the chain of 21 Alta California Missions

1851

**Santa Clara College**

Oldest institution of higher learning in the west - only one of the 21 California Missions handed over to the Society of Jesus (the Jesuits)

1912

**School of Engineering**

Originally established as the College of Engineering, changed to the School of Engineering in 1959

1961

**First Coeducational Catholic University in California**

Began admitting women into undergraduate programs. First female student to graduate with a BS from SoE was in 1968

# SCHOOL OF ENGINEERING



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Our mission is to prepare diverse students for professional excellence, responsible citizenship, and service to society



Our values (based on our Vision and Mission, are:

- integrity - in the pursuit of knowledge
- Collaboration - between each other, across disciplines, and with Silicon Valley and beyond
- Aspiration - for excellence in education, research, and service
- Respect –and understanding of our differences among students, faculty, and staff
- Exploration - of the frontiers of engineering by research and innovation



# STATISTICS



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SCU Undergraduate: College of Arts & Sciences, Leavey School of Business, School of Engineering

~**6,235** undergraduate students  
*10:1 student to faculty ratio*  
60 Undergrad majors

SCU Graduate: Law, Business, Engineering, Counseling Psychology, Education, Pastoral Ministries, Theology

~**3000** graduate students  
43 Graduate degrees

618 Full-time faculty, 347 Part-time faculty

SoE Undergraduate:

~**1,200** undergraduate students  
78 full time faculty  
8 Majors, 12 minors  
True 4-yr programs with 5-yr BS/MS programs

SoE Graduate:

~**750** graduate students  
Master's and PhD programs: 10 MS in Engineering, 4 Engineer, 4 PhD  
New Master's in Robotics & Automation and Responsible AI

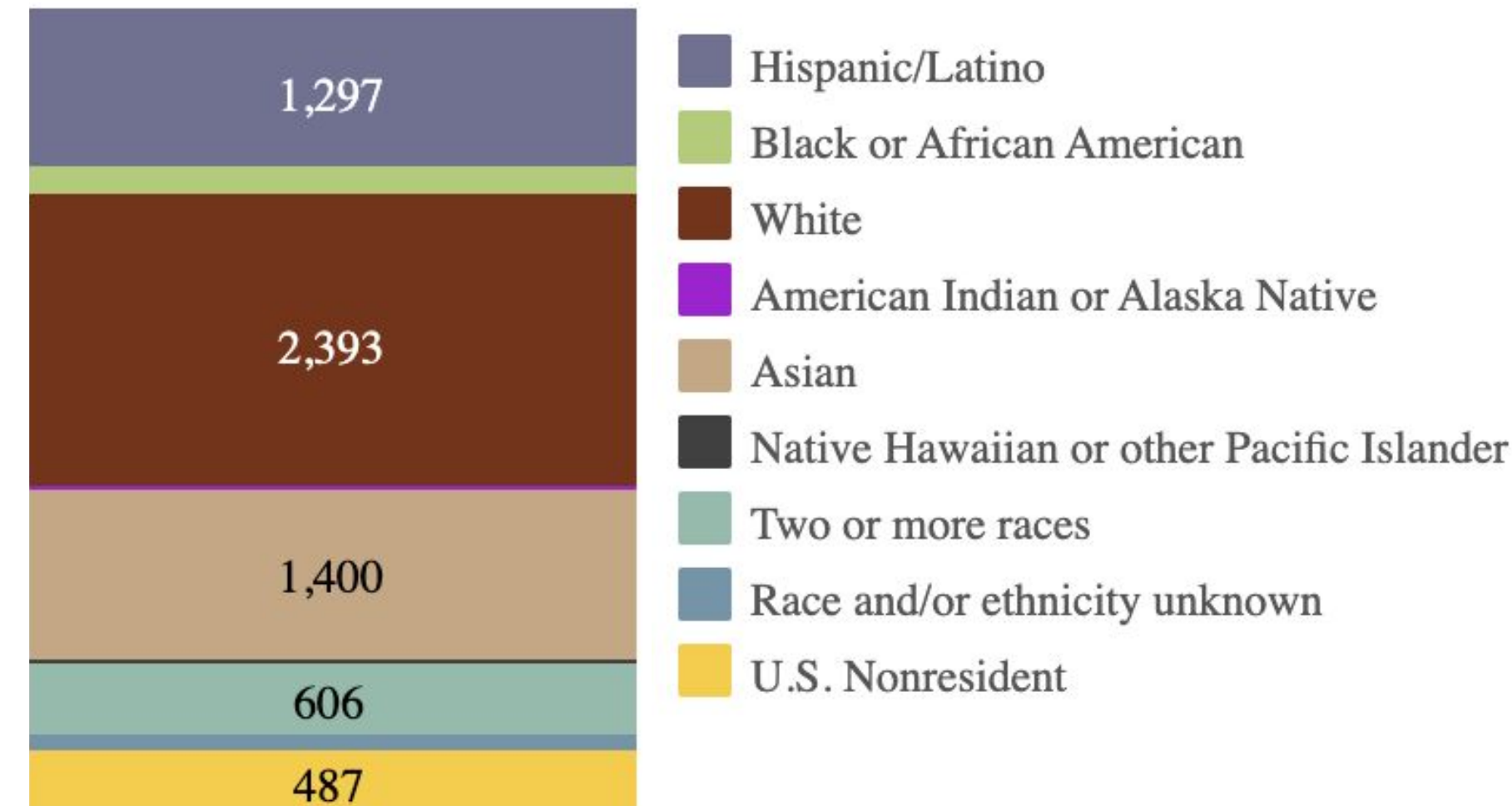
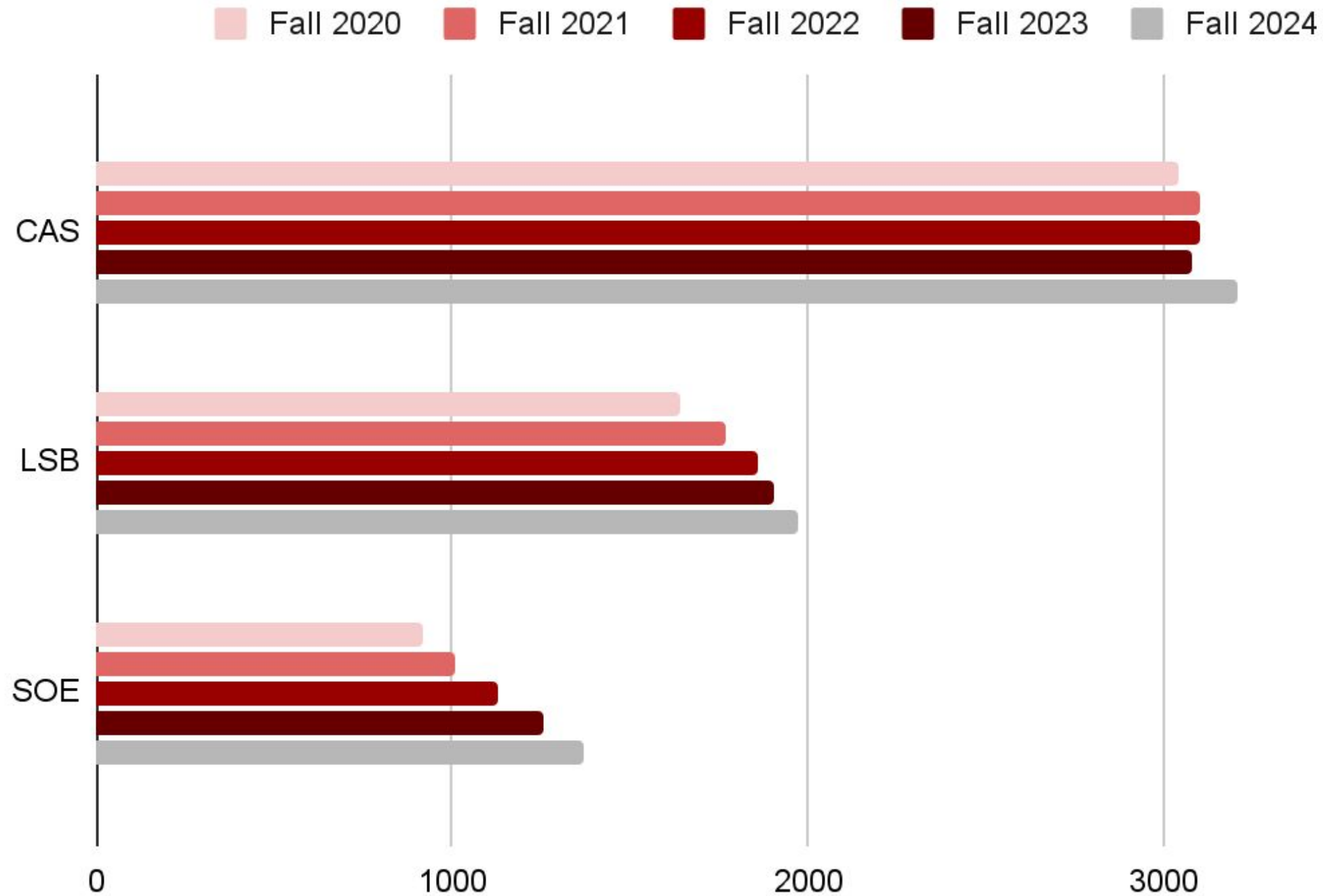


# STATISTICS



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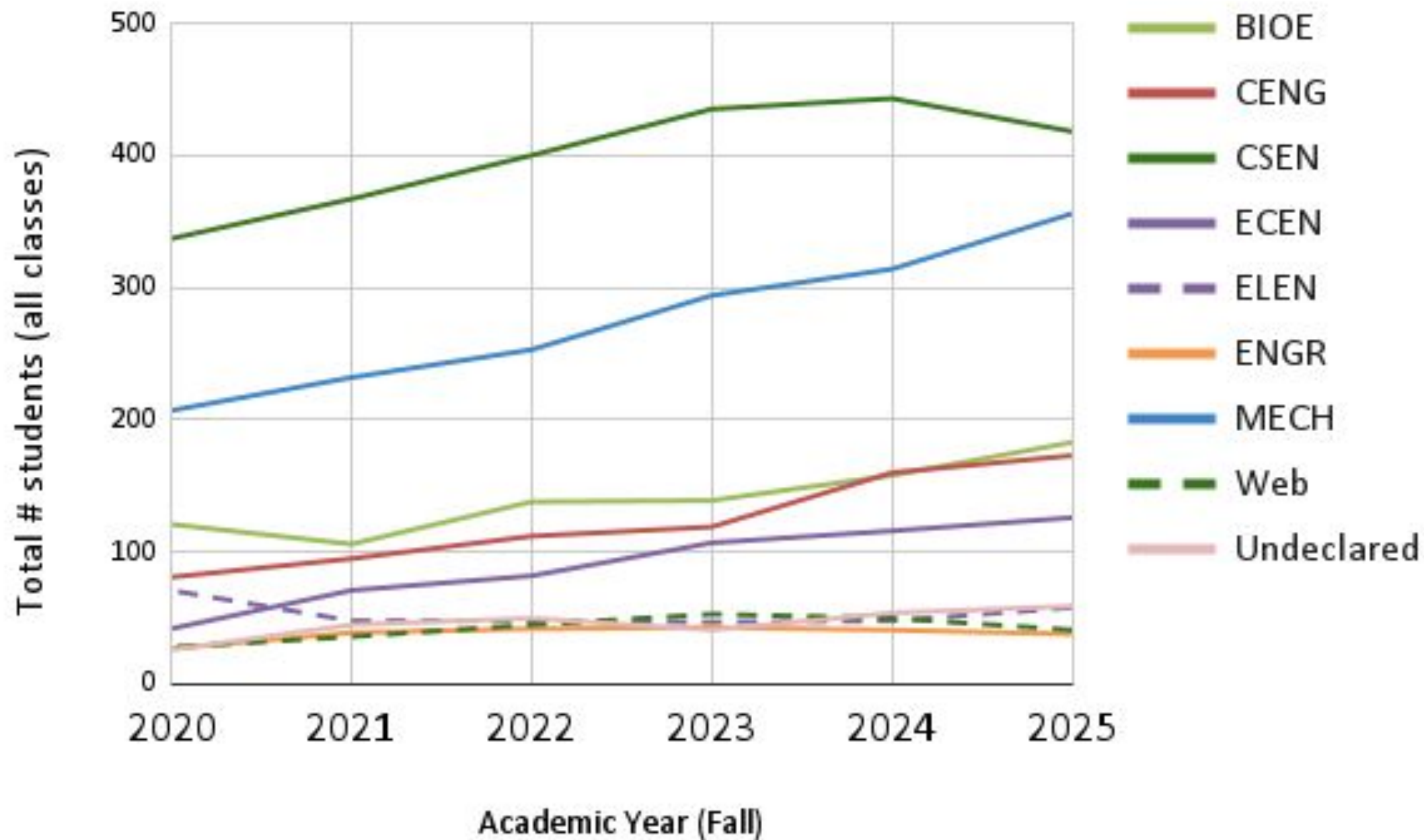


# SOE UNDERGRADUATE TRENDS



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Other Student Characteristics	# Incoming students
LEAD	47 (2024:56, 2023: 28)
Honors	27 (2024:26, 2023:19)
Athletes	9 (2024:11, 2023: 12)
Male	287
Female	128

# ACADEMIC CALENDAR



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2025-2026 UNDERGRADUATE ACADEMIC CALENDAR – approved

## SCU Quarter System:

- 10 week quarter + finals week
- Fall + Winter + Spring = Academic Year

## Class Schedule

- MWF = Monday, Wednesday, and Friday (1 hr 5 min classes)
- TR = Tuesday and Thursday (1 hr 40 min classes)
- 10 min break between classes



### FALL QUARTER 2025

Apr 28-May 9	M-F	Mandatory academic advising period
May 12-16	M-F	Fall registration appointment period
Aug 21	Th	Financial clearance deadline
Sep 20-21	Sa-Su	New student Welcome Weekend
Sep 19	F	Residence halls open at 8:30 am to new students
Sep 20	Sa	Residence halls open at 9 am to returning students
Sep 22	M	Classes begin
Sep 15-26	M-F	Late registration/add & drop period
Sep 26	F	Last day to withdraw with 100% refund (less registration fees) for the dropped units
Sept 26	F	Last day to add a class
Oct 1	W	Mass of the Holy Spirit 12 noon at Mission Church. Classes will not meet from 11:45am -1:15pm. Classes scheduled to begin at 1pm will begin instead at 1:15pm.
Oct 3	F	Last day to withdraw with 50% refund (less registration fees) for the dropped units
Oct 10	F	Last day to submit incomplete Spring 2025 and Summer Session 2025 work to faculty
Oct 10	F	Last day to petition for degrees to be conferred in December 2025
Oct 10	F	Last day to withdraw with 25% refund (less registration fees) for the dropped units
Oct 13	M	Indigenous Peoples' Day; academic and administrative holiday
Oct 17	F	Last day to remove Spring 2025 and Summer Session 2025 incompletes (faculty)
Oct 20	M	Last day to drop classes without a W (no tuition refund)
Oct 20	M	Last day to declare P/NP grading option
Nov 10	M	Last day to drop classes with a W (no tuition refund)
Nov 17-21	M-F	Winter registration appointment period
Nov 24-28	M-F	Academic holiday
Nov 27-28	Th-F	Thanksgiving; administrative holidays
Dec 5	F	Classes end
Dec 8-12	M-F	Fall final examinations
Dec 12	F	Residence halls close 9 p.m.
Dec 17	W	Fall quarter grades due (faculty)
Dec 21	Su	Financial clearance deadline for Winter 2026
Dec 24-25	W-Th	Christmas recess; administrative holidays
Dec 31, Jan 1	W-Th	New Year's recess; administrative holidays

### WINTER QUARTER 2026

Nov 17-21	M-F	Winter registration appointment period
Dec 21	Su	Financial clearance deadline for Winter 2026
Jan 3	Sa	Residence halls open at 9am
Jan 5	M	Classes begin
Jan 5-9	M-F	Late registration/add & drop period
Jan 9	F	Last day to add a class
Jan 9	F	Last day to withdraw with 100% refund (less registration fees) for the dropped units
Jan 16	F	Last day to withdraw with 50% refund (less registration fees) for the dropped units
Jan 19	M	Martin Luther King Day; academic and administrative holiday
Jan 23	F	Last day to submit incomplete Fall 2025 work to professors
Jan 23	F	Last day to petition for degrees to be conferred in March 2026
Jan 23	F	Last day to withdraw with 25% refund (less registration fees) for the dropped units
Jan 30	F	Last day to remove Fall 2025 incompletes (faculty)

Feb 2	M	Last day to drop classes without a W (no tuition refund)
Feb 2	M	Last day to declare P/NP grading option
Feb 16	M	Presidents' Day; academic and administrative holiday
Feb 20	F	Last day to petition for degrees to be conferred in June 2026
Feb 23-27	M-F	Spring registration appointment period
Feb 23	M	Last day to drop classes with a W (no tuition refund)
Mar 13	F	Classes end
Mar 16-20	M-F	Winter final examinations
Mar 21	Sa	Financial clearance deadline for Spring 2026
Mar 23-27	M-F	Spring recess
Mar 25	W	Winter 2026 quarter grades due (faculty)

### SPRING QUARTER 2026

Feb 23-27	M-F	Spring registration appointment period
Mar 21	Sa	Financial clearance deadline for Spring 2026
Mar 30	M	Classes begin
Mar 30-Apr 3	M-F	Late registration/add & drop period
Apr 3	F	Good Friday; administrative and academic holiday
Apr 6	M	Last day to add a class
Apr 6	M	Last day to withdraw with 100% refund (less registration fees) for the dropped units
Apr 13	M	Last day to withdraw with 50% refund (less registration fees) for the dropped units
Apr 17	F	Last day to submit incomplete Winter 2026 work to faculty
Apr 20	M	Last day to withdraw with 25% refund (less registration fees) for the dropped units
Apr 24	F	Last day to remove Winter 2026 incompletes (faculty)
Apr 24	F	Last day to petition for degrees to be conferred in September 2026
Apr 27	M	Last day to drop classes without a W (no tuition refund)
Apr 27	M	Last day to declare P/NP grading option
May 4-15	M-F	Annual mandatory academic advising period
May 18	M	Last day to drop classes with a W (no tuition refund)
May 18-22	M-F	Fall registration appointment period
May 21	Th	Financial clearance deadline for Summer 2026
May 25	M	Memorial Day; academic and administrative holiday
Jun 5	F	Classes end
Jun 8-11	M-Th	Spring final examinations
Jun 11	Th	Residence halls close 9 pm (non-graduating students)
Jun 13	Sa	175th Undergraduate Commencement
Jun 14	Su	Residence halls close 12 pm (graduating students)
Jun 16	Tu	Spring quarter grades due (faculty)

### SUMMER SESSION 2026

(to be determined)



# ACADEMIC CALENDAR



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## University Core Requirements

- Foundations
- Explorations
- Integrations





# UNIVERSITY CORE REQUIREMENTS



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## FOUNDATIONS

Critical Thinking and Writing (CTW) 1 & 2

Cultures and Ideas (C&I) 1 & 2

~~Second Language~~

Mathematics\*

Religion Theology and Culture (RTC) 1

## EXPLORATIONS

Ethics

Natural Science\*

Civic Engagement\*

Social Science

Diversity

Science, Technology,  
and Society (STS)\*

Arts\*

RTC 2

C&I 3

RTC 3

## INTEGRATIONS

Advanced Writing\*

Experiential Learning for Social Justice

Pathways\*\*





# ENGINEERING CURRICULUM



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Free  
2.0%

Mech  
40.0%

Engr Core  
14.0%

Univ Core  
26.0%

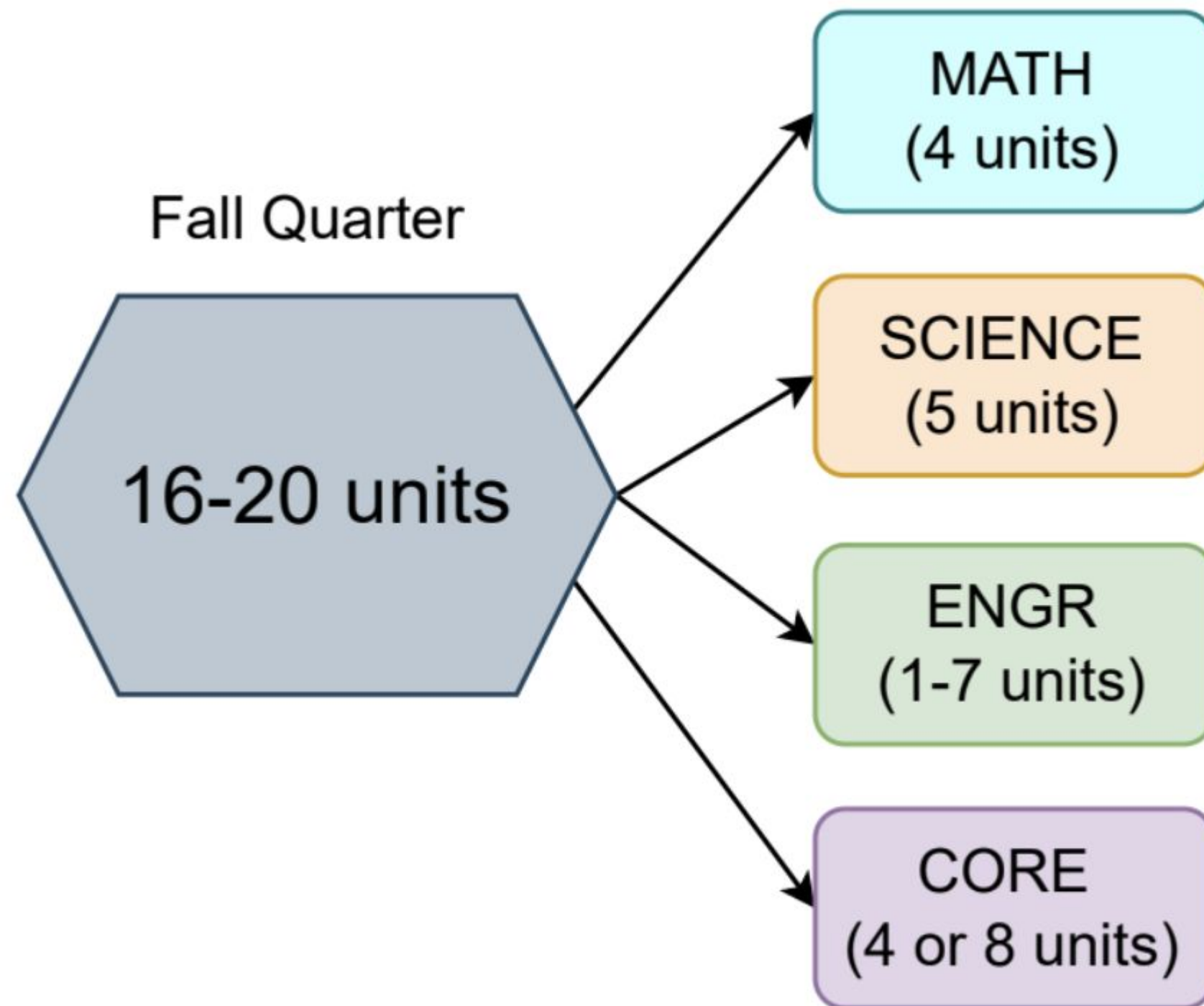
Math/Sci  
18.0%

# ENGINEERING FIRST-YEAR



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MATH: Calculus sequence

(MATH 11, 12, 13, 14)

*Placement based on incoming credit or CRE score*

SCIENCE: Most engr students will take General Chemistry to fulfill their major's science requirement (CHEM 11)

ENGR: ALL engr students should take ENGR 1 and 1L during their first-year. Other engineering courses are based on engineering major interests

CORE: All engr students will be pre-enrolled into CTW 1 (and CTW 2 for winter quarter). Some students may also take RTC 1 - often with incoming math, science, or coding credit



# ENGINEERING ADVISING

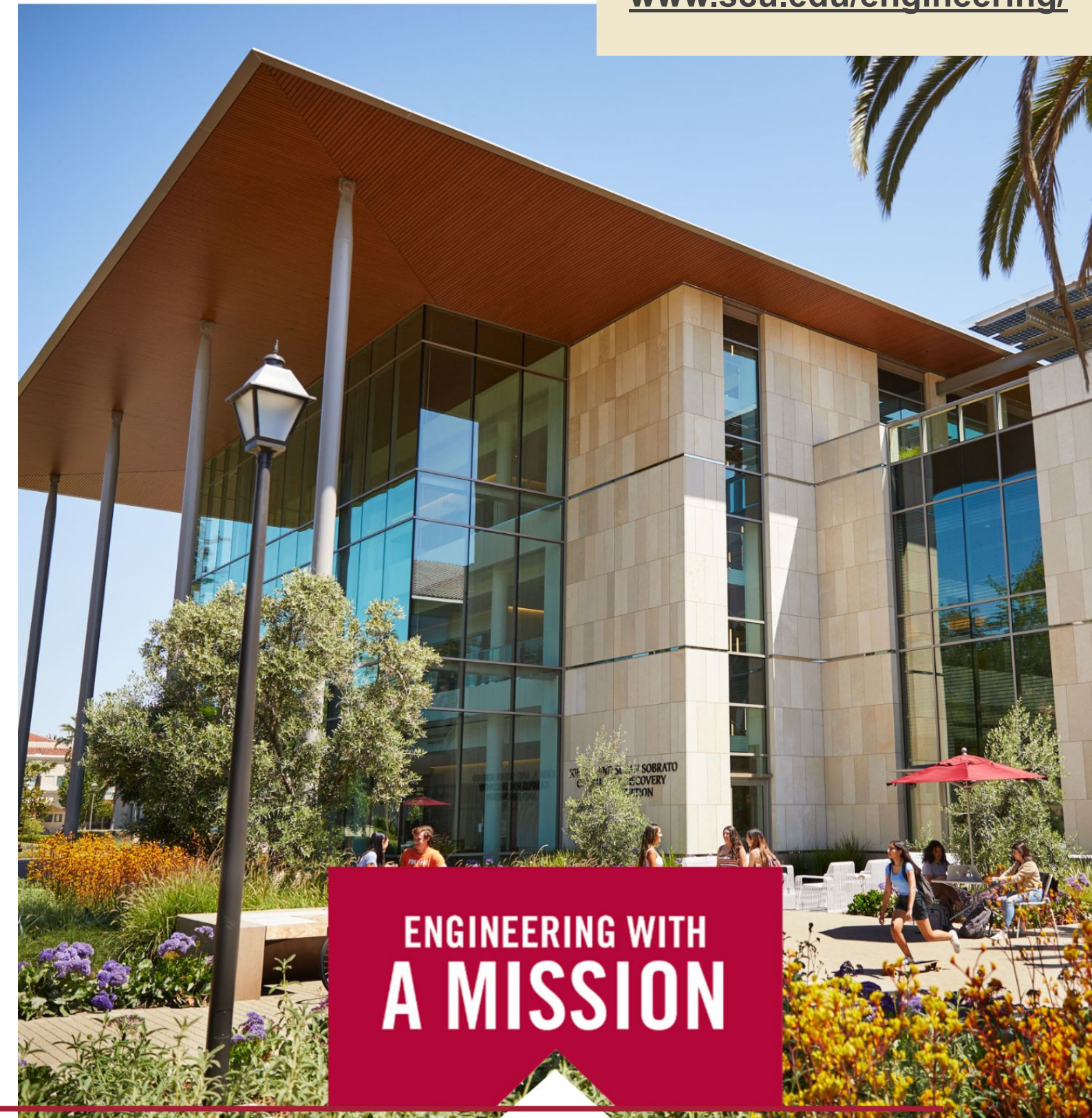


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## Advising and Enrollment Agenda:

- 01** Today, students meet with their major advisor
- Get major specific information
    - Share incoming credit for math, chemistry, computer science, etc.
  - Ask questions
  - Get recommended fall schedule courses
    - Begin to plan course schedule





# ENGINEERING ADVISING

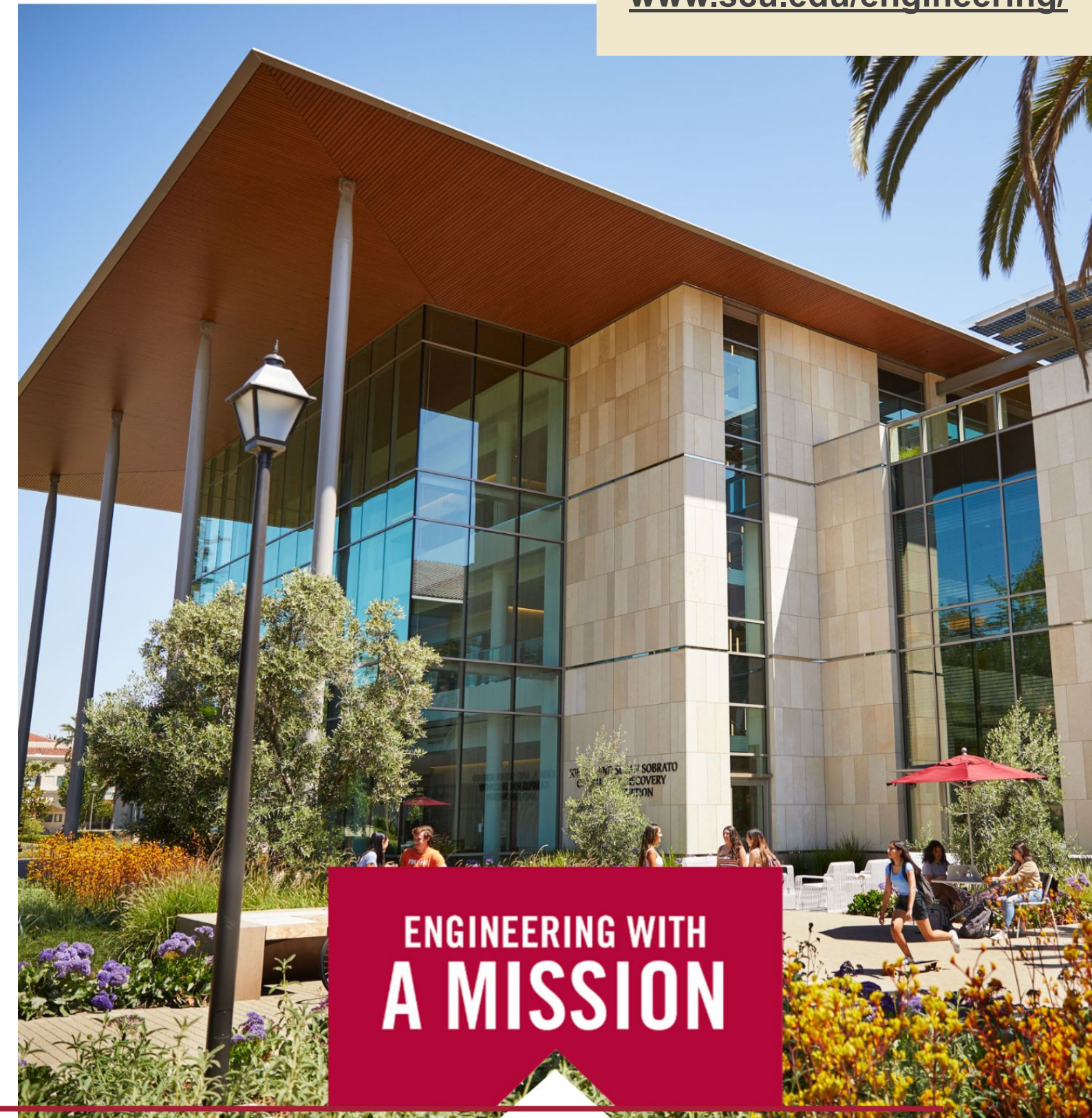


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## Advising and Enrollment Agenda:

- 02** Tomorrow, students again meet with their major advisor
- Finalize any courses
  - Ask remaining questions
  - Plan schedule for any courses that are not pre-enrolled
  - **ENROLL!**
    - We'll help with any course conflicts/closed classes, etc. case by case during the enrollment session





# ENGINEERING RESOURCES

- Advising Resources
  - 4-yr plans for each major
  - Core curriculum checklist and information
  - Advice for undeclared engineering students
- Additional opportunities
- Bronco Exchange
- Upcoming fall events

## ENGINEERING ADVISING TEAM



Engineering Peer Advisors



Engineering Faculty & Staff



Drahmann Advising Center



SoE Undergrad Studies



# ENGINEERING ADVISING



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This fall, students are assigned BOTH:

- An academic advisor (faculty member in their major)
- A peer advisor (returning student in their major)

## Fall Quarter:

- Their peer advisor will contact them in early fall - watch your SCU gmail!
- Mid-fall quarter - peer advisors will hold advising group sessions
  - Plan their course schedule for winter and spring
  - Check in on fall quarter progress
  - Sign their peer advising form - take to their academic advisor for winter course advising







# ADDITIONAL OPPORTUNITIES

Without delaying graduation, Engineering students CAN:

- Be athletes
- Study Abroad
- Do internships, up to a 6-month full-time Co-Op
- Complete a minor (or minors)
- Complete a double major
- Become an NAE Grand Challenge Scholar
- Complete first 1/3rd of a Masters degree
- Work with faculty on a year-long research project
- Actively participate in extracurricular activities
- Join a Registered Student Organization (Engr RSOs)



# UNDERGRADUATE RESEARCH



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## A Sample of Research Areas:

- Tissue and protein engineering
- Devices for biomedical applications
- Sustainable building materials
- Cyber security
- Artificial intelligence
- Wireless communication & networks
- Nanotechnology
- Robotic design and control
- Sustainable energy systems
- *And more...*

## Engineering Research Grants:

Paid undergraduate research experiences

One-on-one collaboration with faculty supervisor

Opportunities for work to be published

**Kuehler Grants:** Summer research awards

**DeNovo Grants:** Academic year or summer research grants awarded to underrepresented engineering students



# STUDENT ORGS & HONOR SOCIETIES



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- American Institute of Aeronautics and Astronautics (AIAA)
- American Society of Civil Engineers (ASCE)
- American Society of Mechanical Engineers (ASME)
- Associated General Contractors of America (AGC)
- Association of Computing Machinery (ACM)
- Association of Computing Machinery – Women’s Chapter (ACM-W)
- Biomedical Engineering Society (BMES)
- Energy Club
- Institute of Electrical & Electronic Engineers (IEEE)
- Engineers Without Borders (EWB)
- Engineering World Health
- Maker Club
- National Society of Black Engineers (NSBE)
- Santa Clara Innovation & Design (SCID)
- Society of Hispanic Professional Engineers (SHPE)
- Society of Women Engineers (SWE)
- Pi Tau Sigma (Mechanical Engineering Honor Society)
- Tau Beta Pi (Engineering Honor Society)
- Upsilon Pi Epsilon (Computing and Information Honor Society)



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Social Events & **Networking**  
Opportunities



Field Trips to Engineering  
Sites and Companies



Educational Outreach -  
Engineering is Fun!



# CO-OPS & INTERNSHIPS



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Within 15 minutes of many amazing companies...

You**Tube**



YAHOO!



**NORTHROP GRUMMAN**



**Turner**  
Building the Future



Google™



ebay



# BRONCO EXCHANGE



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[www.scu.edu/engineering/](http://www.scu.edu/engineering/)

Online platform for SCU students to connect with peers, classmates, faculty, alumni, etc.

- Sign up: <https://scubroncoexchange.peoplegrove.com/>
- Create a free account
- Look through resources, join groups, register for virtual events, and more!





# UPCOMING FALL EVENTS



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01

## ENGINEERING WELCOME NIGHT

Come meet your peer advisors, get free dinner, and learn more about the

[Engineering RSOs](#)

02

## FALL INVOLVEMENT FAIR

Campus-wide RSO fair - learning about all the communities you could become involved with



03

## CAREER FAIRS

Our [SCU Career Center](#) puts on several fall career fairs - visit the Career Center to learn more!

04

## ATHLETIC EVENTS

Attend an [SCU Athletic event](#) - tickets are free for students! Fall sports include:

- Men's/Women's Soccer
- Volleyball
- Men's Water polo







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