

# College of Science and Engineering Technology (COSET)

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2020 STATE OF THE COLLEGE ADDRESS





# New Faculty and Staff joining COSET since August 2019

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10 new full-time faculty (4 TT, 5 Visiting Assistant Professors, 1 Lecturer)

1 new staff member

# Agricultural Sciences

Chair: Doug Ullrich

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No new hires

# Biological Sciences

Chair: Aaron Lynne (New), Dr. Tami Cook  
returns to faculty after 3 years service

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Administrative Associate II: Kristin Skillern

# Chemistry

## Chair: Donovan Haines

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Visiting Assistant Professor: Dr. Harshani Jayabahu Arachchilage

# Computer Science

Chair: Bing Zhou (New); Dr. Peter Cooper  
returns to faculty after 18 years service as  
chair

Tenure Track Faculty:

Dr. Amar Adnan Rasheed

Visiting Assistant Professor: Dr. Mohamad Baza





# Geography and Geology

Chair: John (Pat) Harris (New); Dr. Brian Cooper returns to faculty after 10 years service

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No new hires

# Mathematics and Statistics

## Chair: Melinda Holt

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Tenure-Track Assistant Professor: Dr. Naomi Krawzik

Visiting Assistant Professor: Dr. Ellen Weld

Dr. Chi Phan

Dr. Phuong Nguyen

# Physics and Astronomy

## Chair: Joel Walker

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Astronomy/Physics Lecturer: Dr. Holly Sheets

Graduate Student Excellence in Research – Mr. Hasika Wickrama Senevirathna (Mathematics and Statistics)

Student Excellence in Teaching – no award given this year

Adjunct Faculty Excellence in Teaching – Ms. Volha Minich (Biological Sciences)

Faculty Excellence in Research – Dr. Juan Daza (Biological Sciences)

Faculty Excellence in Teaching – Dr. Ananda Manage (Statistics) Tw 29nE (Teachin

# College of Science & Engineering Technology Excellence Awards

## **Tenure and Promotion to Associate Professor**

Shyam Nair (Agricultural Sciences)

Ram Kafle (Mathematics and Statistics)

James Dent (Physics and Astronomy)

## **Tenure and Promotion to Professor**

Junkun Ma (Engineering Technology)

## **Tenure (rank of Professor)**

Recayi Pecen (Engineering Technology)

# **Faculty Tenure and Promotion**

# Promotion to Professor

Sibyl Bucheli (Biological Sciences)

Madhusudan Choudhary (Biological Sciences)

Aaron Lynne (Biological Sciences)

Donovan Haines (Chemistry)

Faruk Yildiz (Engineering Technology)

John Alford (Mathematics and Statistics)

Scott Miller (Physics and Astronomy)

# Faculty Tenure and Promotion

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# Distinguished Professor

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Dr. Jerry Cook (Biological Sciences)

# Retirements

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Max Coleman (Mathematics)

Mark Klespis (Mathematics)

Melanie Rose (Chemistry)

Thank you for your years of service to SHSU!

We wish you the best in your retirement!



# Funded Budget Initiatives FY21

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New Funding: \$150,000

Cohort #3 of 5 additional Doctoral Students in PhD program

Funded HEF: ~\$437,000 (pending confirmation)

Start-up for new ETEC Faculty: \$50,000

\$50,000 for Renovation of Art building C for Engineering Technology

# College Lab and Course Fee, Differential Tuition for ETEC

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Non-majors lab fee doubled from \$8 to \$16, estimated at \$134,430 (about twice what was received last year). Fees used to purchase consumable materials and supplies.

Majors Lab Improvement Fee is \$50/semester: estimated at \$290,000

Majors lab fees were used in FY20 to order two new vans for field trips (\$75,000), to assist with renovation of ART A and WASH for use by ETEC for labs in Mechanical Engineering Technology, Safety Management, and Construction Management. Remainder was directed to departments for use in lab support. In FY21, Majors Lab fees can also be used to cover lab assistant student salaries.

Differential tuition for ETEC: Extra \$4 per credit hour for FY21 and \$8 for FY22. No additional funds come to COSET from this fee though.

# Current and Future Budget Cuts

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FY21: -\$400,000

Gave up two vacant positions (TT in CS and Lecturer in Math); salary savings from faculty resignation and retirement, moved 3 grad students to DLF funds, reduced summer, adjunct, overload, and instructional reserve funds and O&M in deans office, and reduced departmental travel funds by 15% and departmental O&M by 5%

FY22: estimated at -\$476,772; could be less or more depending on enrollment, state cuts, and federal assistance

Chairs have been asked to work with departments to propose savings including potential reduction in force of NTT faculty and staff along with O&M and travel cuts and reallocation of revenue funds. Any retirements, resignations and non-reappointments of T/TT faculty are also possible cuts. Consider phasing out or consolidating minors and degree programs with low enrollment and/or lack of flexibility.

# Enrollment and Credit Hours

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UNIVERSITY ENROLLMENT IS FLAT (+0.54% HEAD  
COUNT)

COSET ENROLLMENT IS FLAT UNDERGRAD, UP  
GRAD BY 10% (TOTAL IS +0.08%)

# Undergraduates in COSET

Data (8/11/2020)





# COSET Graduates (AY20/AY19)

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	Fall 2019/ Fall 2018	Spring 2020/ Spring 2019	Summer 2020/ Summer 2019	Total AY20/ AY19
Undergraduate	217/219	327/289	123/116	667/624
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# Teaching and Curriculum

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# Pandemic Response

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Shift to remote teaching in Spring and Summer 2020

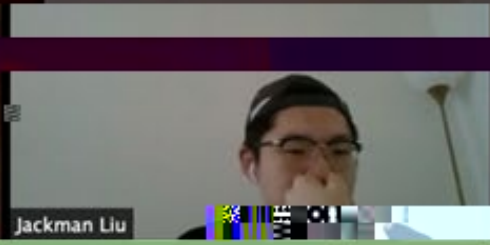
Development of Hybrid Blended Model for Fall 2020



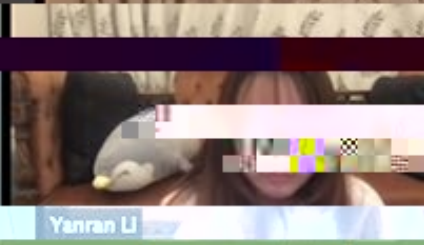
Jim Davis



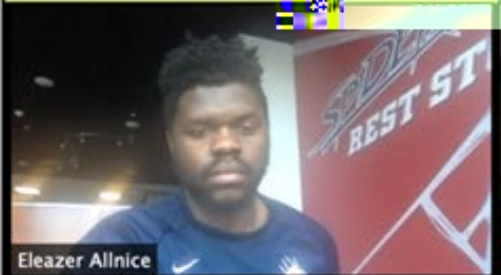
Ken Smith



Jackman Liu



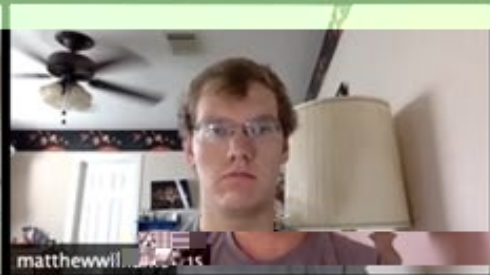
Yanran Li



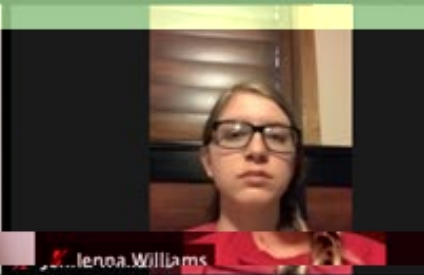
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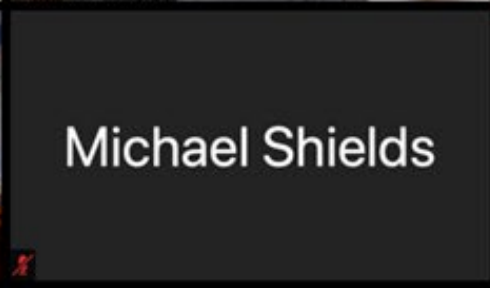
matthewwil



lenoa.Williams



Calvin Reedy



Michael Shields

# Research and Scholarship

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# SERVICE

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# Gifts to COSET (7/1-6/30/20) compared to last year \$911,242/\$6,391,313

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Agricultural Sciences- \$780,454/\$556,255

Biological Sciences-\$41,677/\$53,307 excluding microscope donation

Chemistry

# Equipment and Infrastructure

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# Improvements/equipment

LDB basement waterproofing completed prior to repurposing to house Department of Kinesiology from College of Health Sciences-2 flex research labs available in this area for COSET use with externally funded research

Art Buildings A and WASH updated with new ceiling tiles,

# Improvements/equipment

SHSU Natural History Museum opened in old Huntsville High School, added additional library collections and specimens

Bridge rebuilt at Gibbs Ranch and roads redone

# Review of Goals for 2019-2020

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# Goals for FY20

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Recruit the 3<sup>rd</sup> cohort in PhD program in Digital and Cyber Forensic Science

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# FY 21 Goals continued

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Develop Infrastructure for Agricultural Sciences at Gibbs Ranch to replace aging infrastructure at I-45 Ag complex

Propose New High demand programs in Engineering Technology and possibly Engineering