

College of Science and Engineering Technology (COSET)

2020 STATE OF THE COLLEGE ADDRESS



New Faculty and Staff joining COSET since August 2019

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

1 new staff member

Agricultural Sciences

Chair: Doug Ullrich

No new hires

Biological Sciences

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

Administrative Associate II: Kristin Skillern

Chemistry

Chair: Donovan Haines

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

No new hires

Mathematics and Statistics

Chair: Melinda Holt

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

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



Distinguished Professor

Dr. Jerry Cook (Biological Sciences)

Retirements

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

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

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

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

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)

	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

Pandemic Response

Shift to remote teaching in Spring and Summer 2020

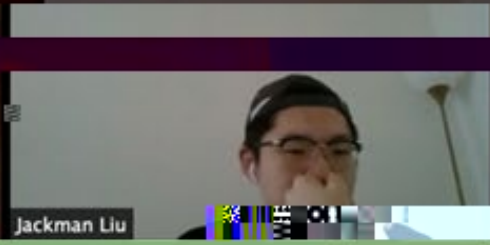
Development of Hybrid Blended Model for Fall 2020



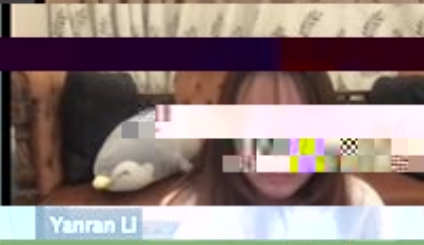
Jim Davis



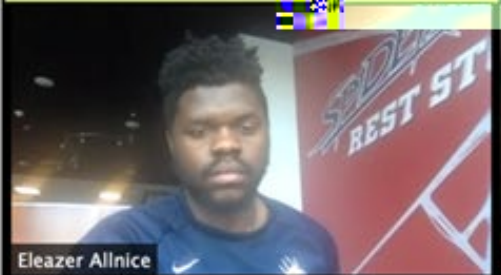
Ken Smith



Jackman Liu



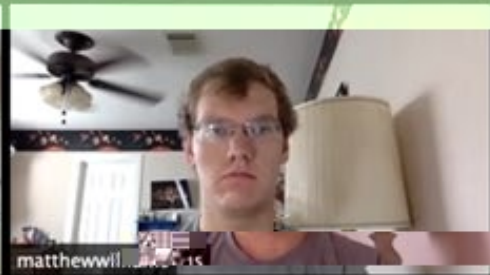
Yanran Li



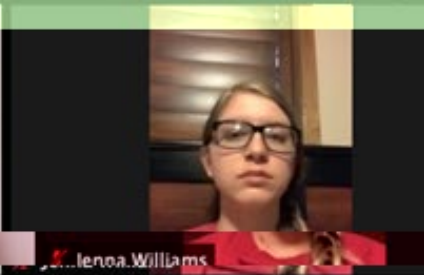
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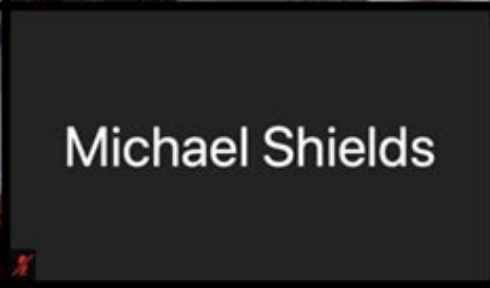
matthewwil



lenoa.Williams



Calvin Reedy



Michael Shields

Research and Scholarship

SERVICE

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

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

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

Chemistry

Equipment and Infrastructure

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

Goals for FY20

Recruit the 3rd cohort in PhD program in Digital and Cyber Forensic Science



FY 21 Goals continued

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