



Vision

THE NEW PLATFORM

Scientists and Mathematicians are problem-solvers: The College of Science provides student-centered, inclusive, active educational experiences that empower students to achieve their potential and 'lead the field' in meeting tomorrow's challenges.

Strategies

How are we going to get there...

Support Faculty Research

Value & Empower COS Staff

Increase number of COS faculty

Share our story

Funding opportunities for experiential learning

Implement comprehensive advising

Create practices to increase recruitment & retention

Cultivate Educational Excellence

Diversify Faculty & Staff

Initiatives

Program Development & Revitalization

Diversity, Equity & Inclusion

Workforce Readiness & Career Preparation

Experiential Learning & Field Station

Developing a new generation of scientists and mathematicians

Foster a culture of belonging. Recognize and be mindful of the challenges of others and create pathways/processes to overcome those challenges.

Preparing tomorrow's science & math professionals

Connecting the classroom to the world

Leading Edge Drivers

Continue collaboration on Master's Degree in Data Science

Develop Master's degree(s) in Science and Math Education

Support and manage Concurrent Enrollment

Collaboratively develop Science Communications program(s)

Promote Faculty & Staff development

Develop Summer Bridge Program(s)

Build Student Science Identity

Diversify COS & Departmental Advisory Boards

Marketing of Pre-Professional Programs

Promote stackable credentials

Incorporate undergraduate research experiences early

Create seminar series "Jobs you never knew you wanted"

Lifecycle instrument maintenance

Promote Planetarium

Support Student Clubs & Orgs

Facilitate International Engagement & Study Abroad

Engage community through TY "Science on Display"

Support Science & Math Secondary Education

Expand course offerings on Davis Campus

Enhance relationship with local schools

Nurture CSME and new ENVIS Program

Establish International 2+2s

Hire bilingual advisor(s)

Support Student Clubs

Support International exchanges

Focus on Faculty Vitality

Develop internship opportunities

Create disciplinary emphases to guide advising

Support Science & Math Secondary Education

Continue to develop CUREs

Digitize Natural History collections

Create Student Learning Communities

Encourage Sharing of Active Pedagogy

Partners

MCOE, LCA&H, EAST, CSBS, DCHP, GSBE, CSME, Provost's Office, Davis Campus, School District STEM Section Directors, Secondary teachers, USOE, MarComm,

Developmental Math, Research Fellows, Office of Diversity, Human Resources, Office of International Studies and Programs,

Career services, Hill AFB, Department and College Advisory Boards, Alumni, Local state and federal Agencies, Local Industries, MarComm

Local industries, International Programs, Associate Provost for HIEE, TLF

Resources Needed

Faculty lines: Statistics, Physics, Mathematics Lab Assistant for the Physical Sciences

Funding for student international experiences

Instrument support, funding sources for faculty vitality opportunities

Field equipment, transportation, new faculty lines (modeler), Instrumentation support, funding sources for a field station