



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' and 'discover the solutions' in meeting tomorrow's challenges.

Strategies

How are we going to get there...

Cultivate eudemonia – good spirits, welfare of all

Advocate for faculty who secure grants

Share our story

Value & empower COS Staff

Increase the number of COS faculty

Focus on funding opportunities for engaged learning

Implement comprehensive advising

Implement practices to increase recruitment & retention

Cultivate educational excellence

Diversify both faculty & staff bodies

Initiatives

Program Development & Revitalization

Foster a Culture of Belonging in the COS and STEM

Workforce Readiness & Career Preparation

Engaged Learning Field Station & Labs

Developing a new generation of scientists and mathematicians

Recognize and be mindful of the challenges of others and create pathways/processes to overcome those challenges

Preparing tomorrow's science and math professionals

Connecting the classroom to the world

Leading Edge Drivers

- Develop master's degree in Chemistry & Biochemistry
- Develop master's degree(s) in Science & Math Education
- Support and manage Concurrent Enrollment
- Expand Davis course offerings per HAFB requests
- Support NSF teaching post-docs grant; seek endowment to continue prog.
- Support minors in Materials Science & Astronomy
- Enhance relationships with MARS, HAFB & local schools
- Nurture pre-prof & new GIS online programs

- Dean working closely with DD on fund-raising for COS
- Prioritize residential summer bridge program(s)
- Build student science identity
- Naming the College – Top 3 CCP*
- Facilitate PEERs & a culture of belonging for all students
- Become more "other" language friendly
- Support student clubs and peer advising
- Increase International faculty/ student exchanges

- Market Pre-Professional Programs
- Promote stackable credentials & 2+2s
- Create undergrad research scaffolding through curriculum
- Develop more internships; Ex. master's degree in Chemistry
- Continue seminar series "Jobs you never knew you wanted"
- Focus on faculty & staff vitality
- Hold regular career fairs & events
- Support Science & Math Secondary Education

- Lifecycle instrument maintenance Top 3 CCP*
- Promote & support peer-advising
- Support student clubs & orgs
- Market high-impact field & lab activities
- Support & seek funding for WSU GYE Field Station ** Top 3 CCP*
- Assess value of student learning communities
- Encourage the sharing of active pedagogy
- Engage community through TY "Science on Display"
- Facilitate international engagement & study abroad

Partners

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

University Advancement, Research Fellows, Student Access and Success, Human Resources, International Studies and Programs, WSU OSP, Peer-mentoring program,

Career services, HAFB, Dept. and COS Advisory Boards, Alumni, Local state and federal agencies, Local industries, WSU MarComm, SSS-STEM

Local industries, International programs, Associate provost for HIEE, TLF
* Comprehensive Campaign Priority
**WSU Greater Yellowstone Ecosystem

Resources Needed

Faculty lines: Physics, Botany, Mathematics, instructors as needed across all departments to fill faculty release needs, Staff: Research Admin Assoc, Second IT line

Funding for student international experiences, funding sources to name the college: focus on fostering a culture of belonging in STEM

Instrument support, funding sources for faculty and staff development/vitality opportunities

Field and lab equipment, transportation, instrumentation support (maintenance and replacement), funding sources for a field station