College of Science - LEADING THE FIELD

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.

How are we going to get there...

- Focus on funding opportunities (especially to support undergraduate research)
- Value & empower COS staff
- Diversify both faculty and student bodies
- Implement practices to increase retention
- Increase the number of COS faculty
- Comprehensive advising

Environmental Sciences Program:
Meeting tomorrow’s environmental challenges

Secondary Education Degrees:
Supporting a new generation of science & math educators

Workforce Readiness:
Preparing tomorrow’s science & math professionals

Educational Excellence:
Developing excellence in teaching tomorrow’s scientists & mathematicians

Initiatives

- Develop curriculum
- Form an advisory board
- Form a student club (AESS chapter?)
- Marketing

- Enhancing undergraduate research opportunities
- Create student learning communities
- Developing internship opportunities

- SPARC, Geography Department, State and Federal Agencies, Private Corporations, Advisory Boards/Alumni

- School District STEM section Directors, Local secondary teachers, Moyes College of Education, Utah State Office of Education (USOE)

- Field Equipment, Transportation, New Faculty lines (environmental chemist, modeler), Field Station, Funding sources for undergraduate research opportunities

- New Faculty lines (mathematics education), Hire a life science educator

- Career Services, Hill AFB, Departmental and College Advisory Boards, Alumni, Local state and federal Agencies, Local Industries

- Instrumentation support, Field Station, Funding sources for undergraduate research, Funding sources for faculty vitality opportunities

Resources Needed

- Develop RETs
- Enhance the relationship with local schools
- Support student club (TEAMS)
- Speak with science and math education faculty

- Incorporate undergraduate research experiences early
- Create disciplinary ‘emphases’ to guide advising
- Develop internship opportunities
- Seminar series on ‘jobs you didn’t know you wanted’
- Create opportunities for ‘stackable credentials’
- Focus on faculty vitality

- Develop CUREs for early to undergraduate research
- Support student clubs & organizations
- Support professional development
- Encourage sharing of active pedagogies

TLF, Associate Provost for HIEE

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