

Suggestions to SOEST:

1. increase enrollment in areas of UH strength and State need, including **Department of Earth Sciences** undergraduate and **Oceanography** graduate degrees.

All SOEST programs are part of UH strengths and State needs, and increasing enrollment is a SOEST-wide goal. In response, SOEST faculty have established a task force focused on SOEST-wide student recruitment and retention, with an eye on diversity, equity and inclusion. Also:

**Department of Ocean and Resources Engineering** (M.S., Ph.D.) is collaborating with College of Engineering on an Ocean Engineering track within the recently approved BS in Engineering Science. U/grad teaching lab space being addressed with UH Space Committee.

**Department of Oceanography** is pursuing ABET accreditation for its successful BS in Global Environmental Science.

**Department of Atmospheric Sciences** has considered and, with Dept. Oceanography, decided not to pursue a joint BS degree in Atmospheric & Ocean Sciences. This has not proven successful when tried elsewhere. Instead, newly diversified faculty, peer-to-peer u/grad mentoring, new 4+1 BS + MS program, and updated hard/software to replicate the NWS forecast office environment, should increase enrollment.

Suggestions to **SOEST**:

2. have more of our top researchers in the classroom.

We have a research-intensive Instructional as well as Research faculty. TT faculty teach virtually all our courses (only one quarter-time lecturer). Not suggested, but also being developed:

**Marine Biology graduate degree** (joint with CNS): very successful, permanent status.

New core curriculum being developed this academic year, with support of 5 **HIMB** research faculty hired over the last two years with formal 25% instructional FTE.

**Hawaii Inst. Geophysics and Planetology** is partnering with Mechanical Engineering on an **Aerospace Engineering concentration within ME**, that incorporates HIGP's 4 cross-listed Earth and Planetary Exploration Technology (15 credit Certificate) courses, towards eventually standing up a joint **Aerospace Engineering BS** degree.

The Center for Microbiome Analysis through Island Knowledge and Investigation (**C-MĀIKI**) and the Hawai'i Data Science Institute (**HDSI**) are partnering to develop an **interdisciplinary graduate program in microbiome science and bioinformatics**, fields at the forefront of biology and data science. The program will break the silos that stifle scientific innovation by transcending individual university units and incorporating faculty across UHM Schools and Colleges.