SCHOOL OF OCEAN & EARTH SCIENCE & TECHNOLOGY

Context: There are opportunities to increase enrollment across all areas in which we have both State need and strength. We will continue to support efforts to have more of our top researchers in the classroom.

October 12, 2020 Presentation:

- Ocean, Earth Science, and Technology Presentation
- Ocean, Earth Science, and Technology Presentation Video
- Ocean, Earth Science, and Technology Supporting Documents

Revised Recommendations (as of October 13, 2020)

- Continue efforts to increase enrollment and retention across all academic programs with an eye to addressing issues of diversity, equity and inclusion.
- Continue efforts to engage our top researchers in undergraduate education, particularly in the classroom and in faculty-mentored research experiences.
- Consider working with the Life Sciences faculty in CNS, CTAHR, JABSOM, and the UH Cancer Center to establish a Life Sciences advisory committee to facilitate better collaboration across research and instruction in these units.

Details

- The Provost will be assembling a Life Sciences advisory committee to assist in increasing collaboration across the life sciences units on campus. The Provost hopes that the Dean and representatives from SOEST will join in this effort.

- As the Dean noted, the budget recommendations focused on the academic programs and did not address the organized research units. As our budget planning continues, there are issues that will likely come up that will affect the ORUs more than other units, such as the monetizing of GA tuition waivers, and the treatment of R faculty appointments. The Provost will be engaging the faculty and Dean on these issues as they arise.

Department of Atmospheric Sciences

Revised Recommendations (as of October 13, 2020)

- Continue and accelerate efforts to increase enrollment in the BS in Atmospheric Sciences.
- Consider collaborating with the Mānoa Advising Center (Exploratory-STEM Program), First Year Programs, and the Institute for Sustainability & Resilience to increase exposure of undergraduate students to Atmospheric Sciences.
Details

- The Mānoa Budget Team has yet to meet with faculty in Atmospheric Sciences; however, we reviewed with interest the response from the School. The team is available to meet with faculty if a meeting is desired.
- The Dean notes that enrollment in the undergraduate program has increased to 14 majors this academic year. The team encourages the faculty to seek campus partners in their undergraduate recruitment efforts, including the Mānoa Advising Center (Exploratory STEM program) and First-Year Programs (learning communities) to increase awareness of the major and access to undergraduate students. The team also encourages the faculty to consider whether additional lower division ATMO courses are candidates for cross-listing with Sustainability (SUST). Introducing students to such disciplines at the lower division has proven effective in recruiting new majors.

Department of Earth Sciences

Summary Recommendations

- Continue to monitor undergraduate enrollment, particularly in the BS program.
- Consider developing general education foundations courses to attract majors and increase SSH.

Details

- The Mānoa Budget Team has yet to meet with faculty in Earth Sciences; however, we reviewed with interest the response from the School. The team is available to meet with faculty if a meeting is desired.

Department of Ocean and Resources Engineering

Summary Recommendations

- Collaborate with Engineering on an Ocean Engineering track within the recently approved BS in Engineering Science. Consider a combined BS/MS pathway with Engineering Science to recruit promising students into the master’s program.
- Continue efforts to recruit ocean industry professionals into the Plan-B Master’s program.

Details

- The Mānoa Budget Team has yet to meet with faculty in Ocean and Resources Engineering; however, we reviewed with interest the response from the School. The team is available to meet with faculty if a meeting is desired.

Department of Oceanography
Revised Recommendations (as of October 13, 2020)

- Pursue ABET accreditation for the BS in Global Environmental Science.
- Develop a recruitment plan for the MS and PhD in Oceanography.
- Continue to monitor and address, as needed, capacity issues in the joint MS/PhD in Marine Biology.

Details

- The Mānoa Budget Team has yet to meet with faculty in Oceanography; however, we reviewed with interest the response from the School. The team is available to meet with faculty if a meeting is desired.
- The team understands that the campus transition to remote instruction has slowed down the work towards ABET accreditation for the BS in Global Environmental Science. As plans for the spring become more certain, we hope that these efforts can continue as planned.
- The success of the jointly administered MS/PhD in Marine Biology can serve as a model for program collaboration across campus. The team is interested in learning from Natural Sciences and SOEST about the issues, practices and policies that have supported as well as challenged this collaboration.