



COLLEGE of CHARLESTON
UNIVERSITY of WASHINGTON

THE BEAMS PROGRAM

A partnership among the College of Charleston, University of Washington, and CARIS.

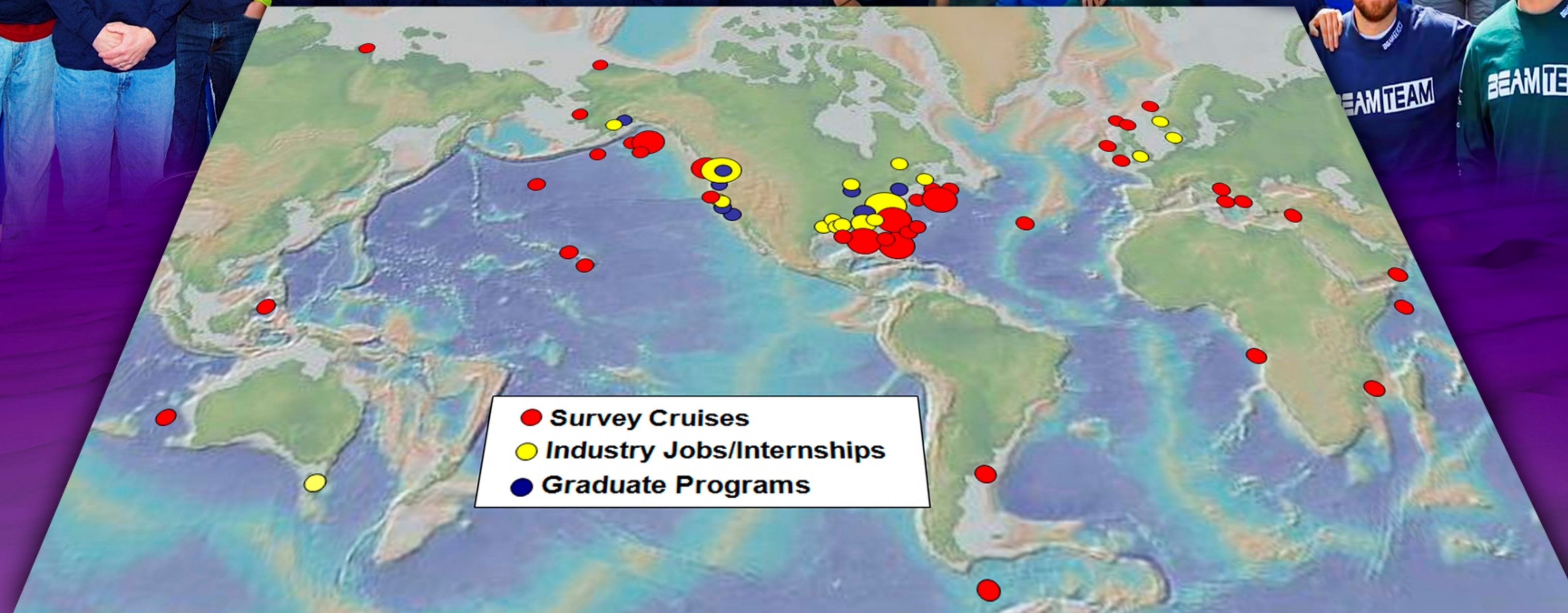
A collaborative, undergraduate-focused marine survey program whose vision is to develop a strong and qualified workforce of ocean surveyors in support of the academic, research, and operational maritime communities. 77 % of the 85 students who have completed the BEAMS foundation SeaMap course have continued to develop their skills, taking advantage of opportunities all over the globe.



Coursework

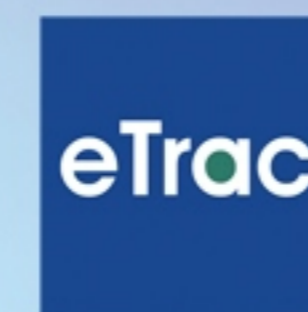


A core of required elective courses will be developed for academic credit to teach students a comprehensive suite of critical software, technologies and other skills for use in ocean surveys. The foundation course, SeaMap, provides training in CARIS HIPS. Students learn the software and immediately begin research projects using data from NOAA, USGS, and other sources.



Where Have They Gone? (2007 - 2016)

BEAMS students have been hired by CARIS, C&C Technologies, TerraSond, TetraTech, OneOcean, EIVA, HighlandGeo Solutions, Global Coast Survey, and USGS. Also, 10 students have been hired by one of several offices within NOAA.



Research



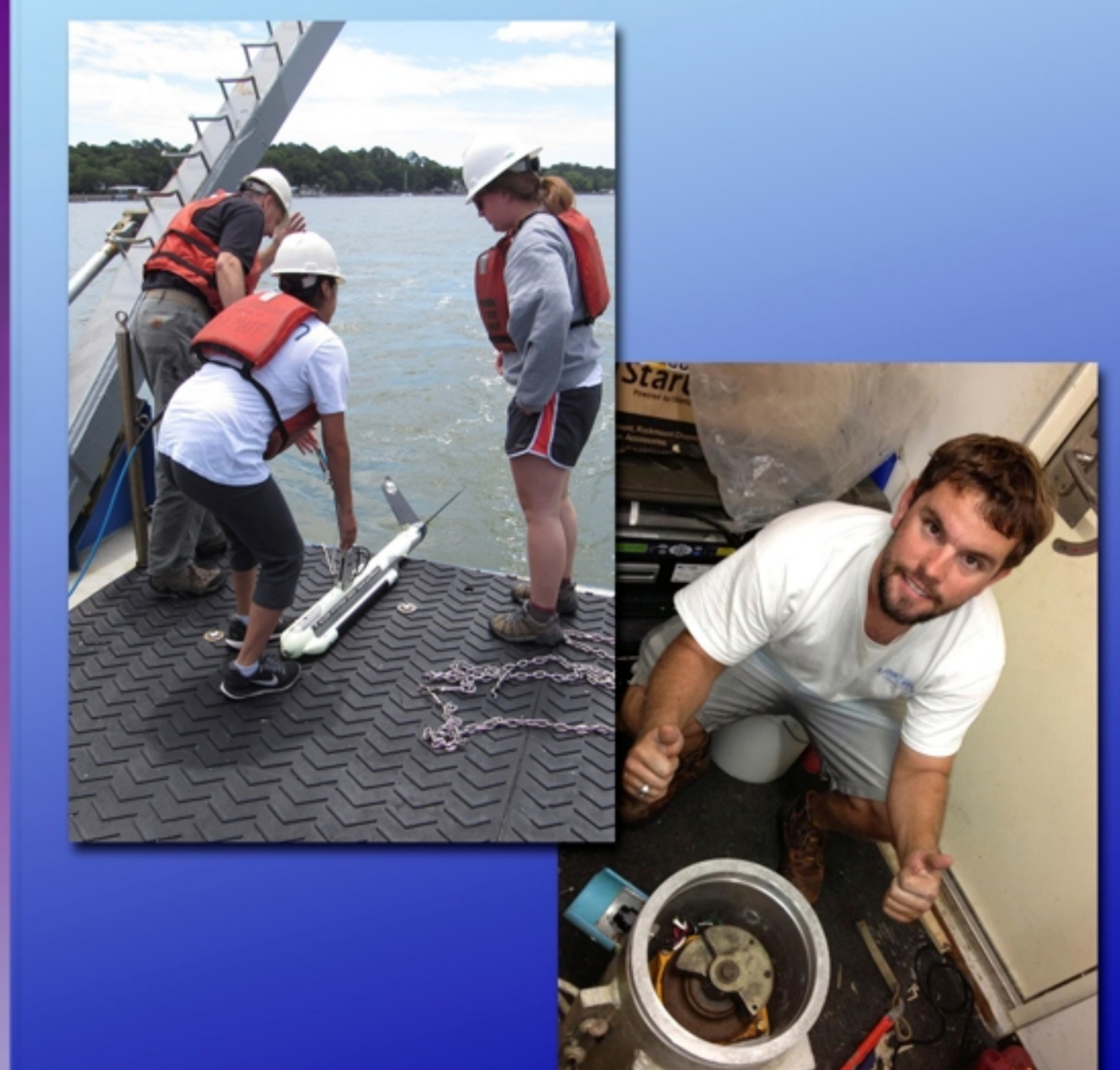
Students will conduct research, applying their skills to geological and biological studies. Partners from NOAA, USGS and others will continue to provide datasets for student research. Many students will present their research at regional and national meetings.

Internships



Through industry and government partnership development, BEAMS will continue to promote development of numerous internship opportunities available to students. These internships range in duration, scope and pay.

Field Experience



Practical at-sea experience is a cornerstone of BEAMS. Students work on data-rich training and research projects, gaining direct experience with technology innovation and research. Development of shore-based fieldwork is on the horizon.