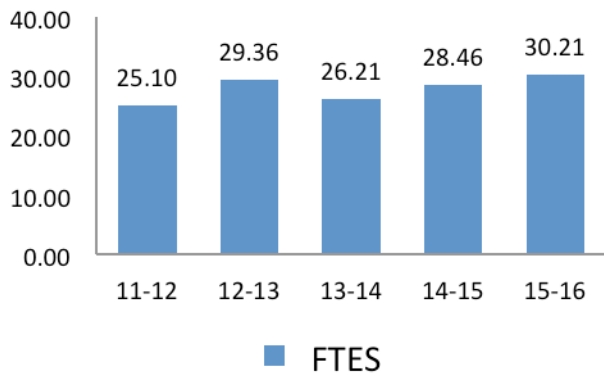


## GEOLOGY/OCEANOGRAPHY – 2015-2016



**Description:** The Geology-Oceanography Department offers courses that examine the Earth's geological history, structure, and economic resources. These courses meet the needs of students: (1) planning to transfer to a four-year institution and to prepare for careers in research, mining, energy, hydrogeology, environmental sciences, hazards, and related fields; (2) fulfilling the undergraduate general education science requirement; and (3) who wish to better understand the planet on which we live.

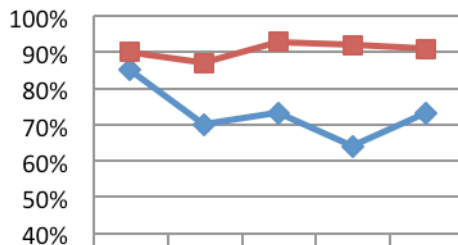
**Assessment:**

- FTEF, enrollment, and FTEF have increased since 2013-14.
- Efficiency has fallen below the institutional goal of 525 since 2013-14, as the department increases the diversity of courses and schedules to better serve multiple student needs.
- Retention has remained above institutional averages, and success has rebounded since 2014-15.
- Geology AS and AS-T degrees have not been awarded, however, curriculum has recently been updated to align with C-ID requirements and should allow students to earn degrees.
- Curriculum has been updated, including prerequisite and online modifications, to allow greater student access to Earth Science courses and degrees.

	10-11	11-12	12-13	13-14	14-15	15-16
Duplicated Enrollment	485	251	289	268	286	318
FTEF	2.36	1.25	1.48	1.98	2.18	2.78
WSCH per FTEF	617	588	595	397	392	326

**Department Goals:**

- Ensure continued funding for SI and tutorial support.
- Maintain curricular and SLO updates to meet changing transfer and career demands, including distance education (DE) and Honors level courses.
- Incorporate environmental and energy (fossil fuel and alternative) research and careers into course curriculum.
- Offer historical, mineralogy, national parks, California, and field courses on a rotating basis to increase options for students, including the number of majors, degrees, transfers, and career-prepared students.
- Maintain laboratories with equipment and supplies needed for quality education.



**Challenges & Opportunities:**

- The new full-time faculty will facilitate growth in FTEF, enrollment, efficiency, success, retention, and earned degrees.
- Renewed hiring within the environmental, energy, and geotechnical sectors should increase student interest in the program.
- Improved budgets, and increased grant opportunities have the potential to expand program development.
- Thanks to grant funding, the current SI leader is facilitating student success and retention.

	11-12	12-13	13-14	14-15	15-16
Success	85%	70%	73%	64%	73%
Retention	90%	87%	93%	92%	91%

	10-11	11-12	12-13	13-14	14-15	15-16
Sections	14	8	11	15	16	20
% of online enrollment	0%	0%	9%	8%	0%	5%
Degrees awarded	N/A	N/A	N/A	N/A	N/A	N/A
Certificates awarded	N/A	N/A	N/A	N/A	N/A	N/A

**Action Plan:**

- Offer diverse courses, including DE and Honors formats, so that students can earn AS/AS-T degrees, successfully transfer to four-year institutions, and prepare for geotechnical careers.
- Coordinate with the institution to increase the department budget for crucial field trip, equipment, tutor, and SI leader expenses and services.
- Increase the visibility of the program and better link it with other SBVC science and CTE programs, as well as off-campus entities.
- Pursue grant and scholarship opportunities to better prepare students for four-year schools and geotechnical industries.