



Environmental Health and Safety Advisory Meeting Notes

Date: April 12, 2024
Meeting Place: Conference Room O-102

Called to order: 1:00 p.m. -2:30 p.m. **Chair(s):** Kristy Truer **Note Taker:** Alicia Delgadillo

Council Members Present: Leticia Segoviano, Justin Martin, Sonia Soares, Aaron Goa

Council Members Absent: Lorie Ries, Julie Oathout

Ex-officio Member Present:

Agenda No. 1 Welcome and Introductions

- Discussion:**
- Advisory Committee Purpose-What CTE means and employee and educational needs
 - Benefits of ENVT certificate and degrees in industry
 - As part of the committee, serve as advocates/advisors for the program

Action:

Deadline: **Responsibility:** **None**

Agenda No. 2 Update from Last Spring’s Meeting

- Discussion:**
- Regarding program vitality recommendations:
 - **Curricular Modifications;** making ENVT 101 as general education course within Natural Sciences category with an optional lab and available for online delivery.
 - **Outreach and Connection** with Local Agricultural Industry & Regulatory Representatives with Active Participation on Advisory Committee.
 - **Align with STEM** Success Roadmap (STEM) and Represent at Stem week of discover. Associate the EHS Programs Within the Industrial Technology Department or Life & Physical Sciences Department Rather than the Public Safety Department.
 - Accomplished:
 - A.S. Degree went through the Curriculum Modification Process (AP&P) S23’-F23’
 - Board of Trustees Agenda Dec. 19, 2023
 - Updated Introduction, Environmental Health & Occupational Safety (ENVT 101). The course now meets; AHC GE Cat. 1 Natural Sciences, AHC Health & Wellness (local req.) and CSU GE B1. Physical Sciences.
 - Created new lab course (ENVT 111) as a companion to ENVT 101. The new course meets the CSU GE B3. Physical Sciences Lab.
 - Both ENVT 101 and 111 are approved for Online delivery.
 - Both ENVT 101 and 111 are offered in the fall 2024 schedule.
 - One Representative from each sector (Ag. Regulatory) on Advisory Committee.
 - Add Energy sector member to Advisory Committee.
 - Working with Agricultural Program faculty.
 - STEM Coordinator agrees EH&S should be aligned with STEM.
 - Participating in STEM events: meetings with employer searching for interns,



- Invited to teach in the Hancock Horizons, summer 20’.
- Other Discussion Items from Spring 23’ meeting:
- **Program Advertising/Promotion.**
- Billboard did not come to fruition
- Guided Pathways change did not occur still in Public Safety group.
- Accomplished
- Participated in AHC Career Festival – F23’ and AHC Career Expo – S24’
- Visited Biology and EMS courses promoting EH&S and GE courses.

Action:

Deadline: None **Responsibility:** None

Agenda No. 3 Program Improvements

- Discussion:**
- Will be participating in STEM events such as Hancock Horizons
 - Trying to transition to Guided Pathways STEM areas of interest
 - Visiting Biology and EMS Classes
 - New and Improved A.S. Degree Program with transferability options
 - Distance Learning option for classes
 - Labor market in SB and SLO counties is strong.

Action:

Deadline: None **Responsibility:**

Agenda No. 4 Partnerships

- Pacific Coast Energy is open to internships and tours
- Discussion:**
- College Now partnerships with high school

Action:

Deadline: None **Responsibility:**

Agenda No. 5 Looking Forward Discussion

- Increase enrollment
- Discussion:**
- Certificate Modifications
 - Professional Affiliations
 - Program Vitality

- Survey graduates to find out what they are doing with their degrees/certificates
 - Marketing such SEO marketing tactics to access the ENVT page to maximize the algorithm
- Action:**
- Survey current students with drawing/prize potential
 - Meeting with counselors to ensure they are aware of the program improvements and GE additions.



- Meet with AG industry representatives, time/availability of Ag reps may be the biggest challenge

Deadline: None

Responsibility:

Agenda No. 6

Discussion: •

Action:

Deadline: None

Responsibility:

Agenda No. 7

Discussion: •

Action:

Deadline: None

Responsibility:

Reports:

Environmental Health & Safety Certificate and A.S. Degree Programs

Advisory Committee Meeting

April 12, 2024

Industrial Technology Department

Career Technical Education - CTE

Programs Offering a Sequence of Courses

- Coherent & Rigorous Content
- Aligned with Challenging Academic Standards
- Relevant Technical Knowledge & Skills

Needed to Prepare Students for Careers and/or Further Education in Current or Emerging Professions.

CTE – Advisory Committee Purpose

(BP/AP 4102)

- Assures Program is Aligned with and Addresses Employment & Educational Needs of Employers
- Serves as an advocate for the program
 - Employment
 - Internships
 - Work Study
 - Equipment/Resources
 - Site Visits/Tours

Update From Spring 2023 Meeting

Much of the Discussion was Regarding the Program Vitality Recommendations:

- ❖ Curricular Modification so that ENVT 101 Qualifies as a General Education course within the Natural Sciences Category
 - With Optional Lab
 - Distance Education (online)

Update From Spring 2023 Meeting

Program Modifications Accomplished

- A.S. Degree went through the Curriculum Modification Process (AP&P) S23'-F23'
- Board of Trustees Agenda Dec. 19, 2023

Update From Spring 2023 Meeting

Program Modifications Accomplished

– Introduction, Environmental Health & Occupational Safety (ENVT 101)

- AHC GE Cat. 1 Natural Sciences
- AHC Health & Wellness (local req.)
- CSU GE B1. Physical Sciences
- Approved for Online

– Introduction, Environmental Health & Occupational Safety - Lab (ENVT 111)

- CSU GE B3. Physical Sciences Lab
- Approved for Online

Update From Spring 2023 Meeting

- ❖ Outreach and Connection with Local Agricultural Industry & Regulatory Representatives with Active Participation on Advisory Committee.

Accomplished:

- 1 Representative from each Sector Participating on Committee
- Energy Sector Representative Added to Advisory Committee
- Working with AG Program Faculty

Update From Spring 2023 Meeting

- ❖ Associate the EHS Programs Within the Industrial Technology Department or Life & Physical Sciences Department Rather than the Public Safety Department by Aligning with a Different Success Roadmap (STEM)

Accomplished:

- EH&S Program is now Part of the Industrial Technology Department

Not Accomplished:

- EH&S is Still under Public Safety.
(I've Learned this Change has to go Before the Academic Senate)

Update From Spring 2023 Meeting

- ❖ Represent EH&S at STEM Week of Discovery

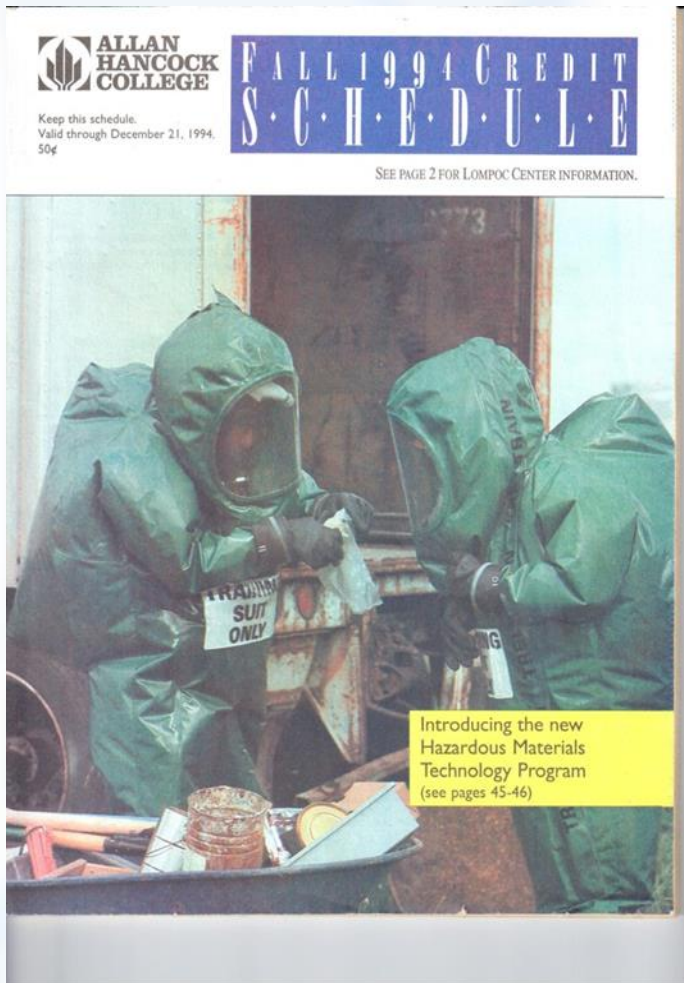
Accomplished:

- Connected with STEM Coordinator who Completely Agrees Program is a STEM Program
- Will be Participating in STEM Events
 - > STEM Meeting with Employer Searching for Interns
 - > Hancock Horizons – Summer 24'

Update From Spring 2023 Meeting

- Program Advertising/Promotion
 - Billboard Did Not Come to Fruition
 - Unclear as to why
 - Lost Momentum During Change of Leadership
 - Guided Pathways
 - Public Safety/STEM
 - [Programs of Study - Find Your Path](#)
 - Events
 - AHC Career Festival, Fall 23'
 - AHC Career Expo, Spring 24'
 - Visited Biology and EMS classes

EH&S Program Overview



Over 29 years ago
the “new”
Hazardous Material
Technology
Program
was introduced.



**COMING FALL
2024**

**EH&S
Is
Launching a
New
&
Improved
A. S. Degree
Program**

A.S. Degree Environmental Health & Safety (Units 27-32)

Required core courses (20 units)

ENVT 101 Introduction to Environmental Health & Safety, 3

ENVT 111 Introduction to Environmental Health & Safety Lab, 1

ENVT 152 Identification and Assessment of Hazardous Materials, 3

ENVT 153 Industrial Safety, 1

CHEM 120 Intro. To Chemistry, 4

BIOL 100 Introductory Biology, 4

MATH 123 Elem. Statistics, 4

List A – 4 courses (7-12 Units)

ENVT 159 Hazardous Material Minimization and Emissions Reduction, 1

ENVT 154 Monitoring and Sampling, 2

ENVT 160 Air and Water Pollution Permitting Compliance, 2

ENVT 150 Hazardous Materials General Site Worker – 40 Hr., 2

EMS 102 First Aid and Safety, 3

MT 115 Lean Manufacturing, 3

PHYS 141 General Physics 1, 4 |

**COMING FALL
2024**

Or??????

EH&S
Is
Launching a
New
&
Improved
A. S. Degree
Program

College Website as
4/12/2024

EH&S Program Overview

Associate in Science Degree

- *Environmental Health and Safety*

Certificate of Achievement

- *Environmental Health and Safety (30 units)*

Certificate of Accomplishment

- *Environmental Health and Safety Technician (16 units)*
- *Hazardous Materials – General Site Worker (2.0 units)*
- *HAZWOPER Refresher 8-Hour (0.5 unit)*

Industry Recognized Certifications California Specialized Training Institute - CSTI

- *General Site Worker*
- *First Responder Operations (FRO)*
- *FRO Decontamination*

CA Labor Market Information

Lightcast Data

Q2-2023

Report Parameters

2 Occupations

19-4042 Environmental Science and Protection
Technicians, Including Health

19-5012 Occupational Health and Safety
Technicians

2 Counties

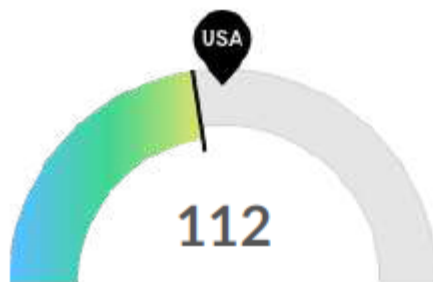
6079 San Luis Obispo County, CA

6083 Santa Barbara County, CA

Lightcast Data

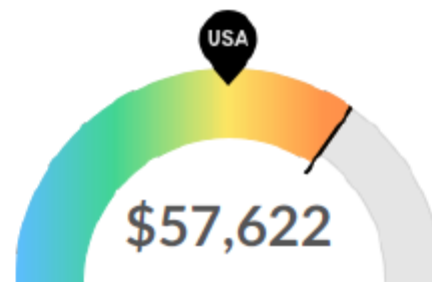
Q1-2022

Light Job Posting Demand Over a Thin Supply of Regional Jobs



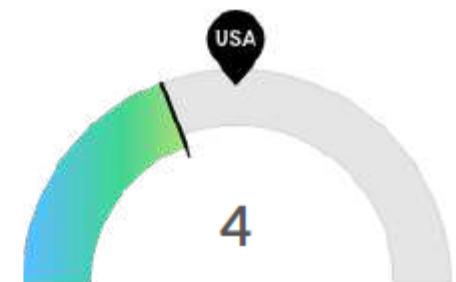
Jobs (2021)

Your area is not a hotspot for this kind of job. The national average for an area this size is 128* employees, while there are 112 here.



Compensation

Earnings are high in your area. The national median salary for your occupations is \$49,334, compared to \$57,622 here.



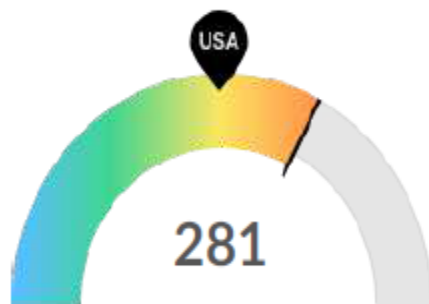
Job Posting Demand

Job posting activity is low in your area. The national average for an area this size is 5* job postings/mo, while there are 4 here.

Lightcast Data

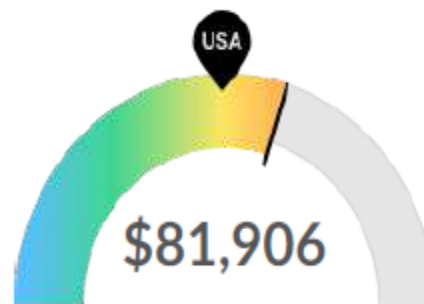
Q2-2023

Aggressive Job Posting Demand Over a Deep Supply of Regional Jobs



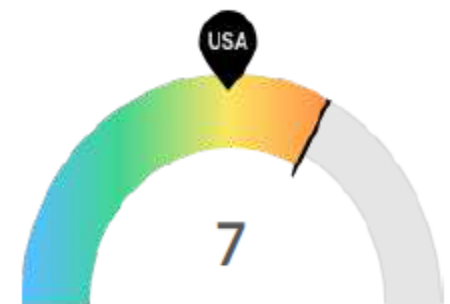
Jobs (2023)

Your area is a hotspot for this kind of job. The national average for an area this size is 183* employees, while there are 281 here.



Compensation

Earnings are high in your area. The national median salary for Environmental Scientists and Specialists, Including Health is \$76,515, compared to \$81,906 here.



Job Posting Demand

Job posting activity is high in your area. The national average for an area this size is 4* job postings/mo, while there are 7 here.

EH&S Student Outcomes

2018/19 – 2022/23

Success & Retention

■ Success %

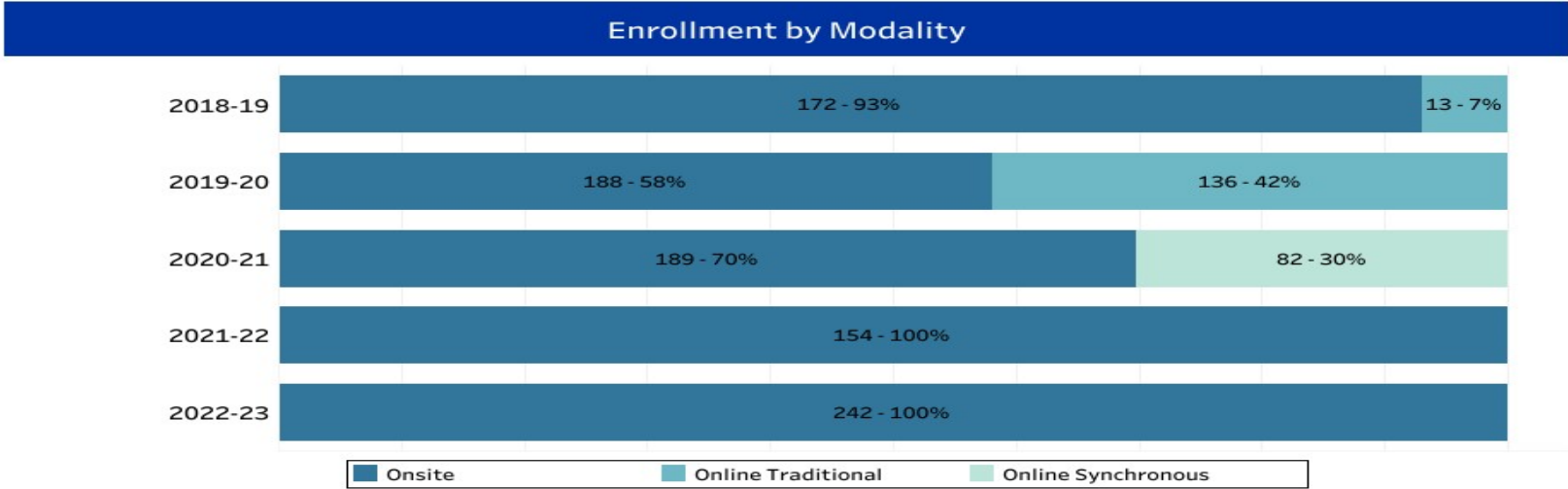
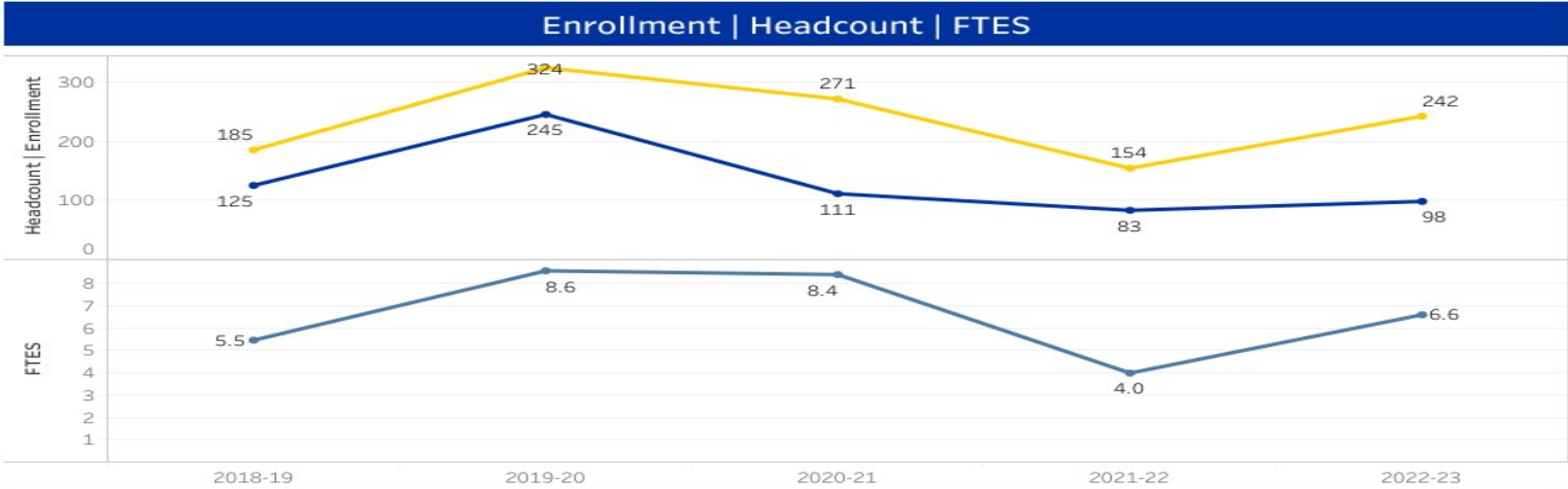
■ Retention %

		2018-19		2019-20		2020-21		2021-22		2022-23	
AHC	ALL	73%	88%	72%	82%	74%	88%	71%	86%	72%	87%
Grand Total		94%	95%	81%	95%	94%	97%	96%	97%	88%	90%
ENVT101	ALL	50%	100%	67%	83%	78%	89%	80%	80%	100%	100%
ENVT150	ALL	100%	100%	83%	100%	100%	100%			77%	100%
ENVT152	ALL	100%	100%	64%	64%	80%	90%	100%	100%	100%	100%
ENVT153	ALL	80%	80%	100%	100%	100%	100%			100%	100%
ENVT154	ALL			80%	80%	89%	100%			100%	100%
ENVT155	ALL	67%	67%	90%	100%	100%	100%			100%	100%
ENVT156	ALL	97%	97%	79%	89%	100%	100%	96%	98%	89%	92%
ENVT158	ALL	100%	100%	100%	100%	75%	100%	86%	86%	100%	100%
ENVT159	ALL	100%	100%	78%	100%	75%	100%			100%	100%
ENVT160	ALL	100%	100%	92%	92%	90%	100%	100%	100%	100%	100%
ENVT450	ALL	92%	92%	85%	89%	75%	75%	86%	93%	90%	90%
ENVT454	ALL	95%	95%	96%	96%	96%	96%	100%	100%	71%	71%
ENVT456	ALL	92%	100%	71%	100%						
ENVT457	ALL					100%	100%	100%	100%	98%	98%
TOTAL ALL		94%	95%	81%	95%	94%	97%	96%	97%	88%	90%

Choose a format to d

EH&S Student Outcomes

2018/19 – 2022/23

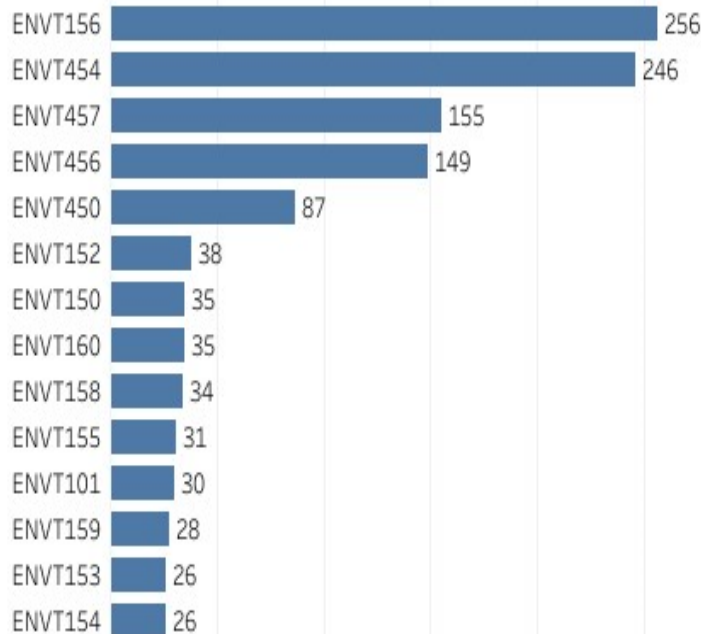


EH&S Student Outcomes

2018/19 – 2022/23

5-Year Enrollment by Course

5-Year Aggregate Enrollment Data



	2018-19	2019-20	2020-21	2021-22	2022-23
ENVT156	37	19	76	53	71
ENVT454	60	55	45	28	58
ENVT457			63	42	50
ENVT456	13	136			
ENVT450	24	27	12	14	10
ENVT152	8	14	10	3	3
ENVT150	10	6	6		13
ENVT160	6	12	10	2	5
ENVT158	7	10	8	7	2
ENVT155	6	10	9		6
ENVT101	4	6	9	5	6
ENVT159	5	9	8		6
ENVT153	5	10	6		5
ENVT154		10	9		7

Environmental Health and Safety

Looking Forward Discussion

Looking Forward Discussion

Increase Enrollment

Certificate Modifications

Professional Affiliations

Program Vitality