



Chemistry - Division 20 - Science, Technology, Engineering, and Math - Chemistry

Main

Overview

Academic Year 2024 - 2025

Originator Moller, Rachel

Division Division 20 - Science, Technology, Engineering, and Math

Department Chemistry

Programs

Co-Contributors

Questions? Find answers in CurricUNET User Manual. (http://www.Gavilan.edu/en/employee-services/office-of-instruction/curricunet/program_reviews/create_pr.html)

Contributor

Annual Update

1. **Academic Year** 2024 - 2025

New Goal

Student Outreach and Support

End of Year Status In Progress

Please describe your status (No more than 200 words)

The chemistry department is working on student outreach and support and increasing enrollment in chemistry classes.

Planning

The chemistry department is working on enrollment in chemistry courses by offering more chemistry courses over the year and during the summer. We are still offering hybrid classes or fully online to reach more students. More support is being hired in the STEM center for chemistry courses. This year, almost all courses have an embedded tutor, which will help student success and support student understanding in the material.

Proposed Activity to Achieve Goal Offer more tutoring in the STEM center.

Responsible Party Chemistry faculty

Total Three Year Resource Allocation Request 0

Timeline to Completion Month / Year 05/2027

How Will You Evaluate Whether You Achieved Your Goal Program Review Data

Additional Comments

Annual program review data will show if tutor resources is helping students succeed in chemistry. Having a chemistry tutor available during most of the operating hours in the STEM center should also increase overall student success in chemistry.

2. **Academic Year 2024 - 2025**

New Goal

The chemistry goal is to increase the overall success rate to 85%

End of Year Status In Progress

Please describe your status (No more than 200 words)

The chemistry department is currently working on increasing the overall success rate to 85%. We will know the overall success rate and the end of the academic year.

Planning

The chemistry department is currently working on increasing the overall success rate to 85%. We are working on increasing this success rate through having more access to chemistry tutors in the STEM center, more resources for the students, and more embedded tutors in the classroom. We are also offering hybrid courses to support the students.

Proposed Activity to Achieve Goal More support and tutors to help student success

Responsible Party Chemistry faculty

Total Three Year Resource Allocation Request 0

Timeline to Completion Month / Year 05/2027

How Will You Evaluate Whether You Achieved Your Goal Program Review Data

Additional Comments

N/A

Resource Requests

Click Add Item to Enter a Resource Request

1. **1. Request Name (short title)** Chemistry Lab Equipment and Glassware

2. Request amount 19500

3. Type of Request Non Personnel

4. Alignment to Goal(s) Student Outreach and Support

5. Is this a one-time or ongoing expense. One-time

6. Category of Request (Select all that apply).

- Instructional Equipment
- Instructional Supplies, Materials and Textbooks

7. The committee will separate goals with resource requests. Requests will be categorized into two groups: those to be ranked and those not ranked. The requests not ranked include Safety, Compliance, Personnel, and Position.

Which of the following best describes your requests?

8. Provide a complete description, justification, or rationale for the requested amount.

Describe how it aligns to the selected goal(s) and your responses to the above questions. (300 words)

Heating mantels & Temperature control bundle, 500 ml (Qty 20): \$620

Centrifuge (Qty 3): \$7180

Spectrophotometer 30 (Qty 3): \$3700

Glassware: \$8000

The requested funds will be used to purchase essential chemistry lab equipment necessary for enhancing the learning experience of our students. The items include, but are not limited to,

advanced analytical instruments, glassware, and laboratory supplies that are critical to conducting modern experiments and ensuring a safe and productive environment. This equipment will support both foundational and advanced chemistry courses and labs, impacting students across multiple STEM disciplines.

2. **1. Request Name (short title)** Instructional Supplies - Hollister

2. Request amount 1000

3. Type of Request Non Personnel

4. Alignment to Goal(s) The chemistry goal is to increase the overall success rate to 85%

5. Is this a one-time or ongoing expense. Ongoing

6. Category of Request (Select all that apply).

- Instructional Equipment
- Instructional Supplies, Materials and Textbooks

7. The committee will separate goals with resource requests. Requests will be categorized into two groups: those to be ranked and those not ranked. The requests not ranked include Safety, Compliance, Personnel, and Position.

Which of the following best describes your requests?

8. Provide a complete description, justification, or rationale for the requested amount. Describe how it aligns to the selected goal(s) and your responses to the above questions. (300 words)

We are now offering Chemistry classes at the Hollister site and will have an ongoing need for instructional supplies.

Executive Summary

Please provide a brief executive summary regarding program trends and highlights that surfaced in the writing of this report. Summarize, using narrative, your program goals for this year. Your audience will be your Peer Review Team, the program review Committee, President's Cabinet, Dean's Council, ASGC, Academic Senate, Budget Committee and Board of Trustees (300 words or less).

The chemistry department is still working on increasing the overall success rate in the courses. Since the last comprehensive program update, completed in the spring of 2023 by Rachel Moller, the success rate has remained unchanged, while the non-success rate has decreased by 1% and has decreased by 2% since the 2021-2022 term. Enrollment has increased very close to the campus average, varying by only 0.2%. There has also been an increase of 15.7% in sections offered to students. Student success has also increased across all demographics on campus. Females have a slightly lower success rate than males, and there is increasing student success on campus for women in science, including the Women in STEM club to help build community and support to reach more females.

Attach Files

If there is any additional information regarding your program that you will like to have uploaded, please attach it here.

Attached File