Data Science is a powerful tool for Biologists and Chemists!

With data science skills you can:

1. Skillfully use computer programming to analyze large, cutting edge data sets
2. Write scripts to create compelling visualization of your results
3. Use statistics to demonstrate the significance of your results
4. Save time by automating data analysis and visualization
5. Organize and annotate data analysis for reproducibility, clarity, and long-term storage

Development of this new program funded by the NSF #IGE 1856394
GOLD is a program for SFSU Biology and Chemistry masters students who want to earn a graduate certificate in Data Science for Biology and Chemistry.

Do you plan to or have you analyzed large amounts of scientific data by hand?

Do you wish you could learn new computational techniques for your thesis?

GOLD will:

• Help you learn data science skills you need to analyze exciting biology/chemistry data sets

• Support you to apply those skills in your thesis

• Help you make connections outside SFSU to help you get a job in industry or Ph.D position

• Provide courses that are intentionally designed for biology and chemistry students

Earn a Certificate in Data Science for Biology and Chemistry!

We welcome students with no programming, statistics, or data science experience!

All classes count towards masters degrees in Biology or Chemistry!

GOLD classes are taught by faculty familiar with scientific teaching techniques to improve student learning and equity in the classroom.

We welcome students with no programming, statistics, or data science experience!

Join our second cohort starting in Fall 2021. There is no application process. If you're new to programming just register for CSC 306 in Fall 2021. If you've completed at least one semester of computer programming, register for a computational elective in your field.

To discuss any questions, talk to the GOLD faculty and your thesis advisors.

For more information check out the GOLD website: https://goldsfsu.weebly.com/

For a head start before the Fall semester, check out the SCIP and PINC summer programs.