



Our  
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Faculty &  
Staff

Chemistry Tenure-Track Faculty

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Our  
Mission

is to promote and support  
the development of students  
into lifelong voracious learners  
who are distinguished by:

Intellectual  
curiosity

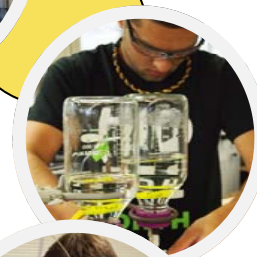
Fundamentally  
sound  
knowledge of  
chemistry

An understanding of  
how natural science,  
the environmental  
and human culture  
are related

An  
understanding  
of how chemistry  
fits into the natural  
sciences

An ability to use  
the scientific  
method effectively

<https://gustavus.edu/chemistry/>



CHEMISTRY

GUSTAVUS ADOLPHUS COLLEGE



Our Students

Our Curriculum focuses on:

- Development of quantitative skills
- Investigative/research-based laboratories
- Hands-on work with modern instrumentation
- Development of communication skills

### Research opportunities

Chemistry faculty engage interested and capable students in faculty/student research collaborations throughout the academic year in IEX research courses and independent study. Our students often apply for research support through our local Sigma Xi chapter.

Summer is ideal for conducting research projects. We support this work and our students through departmental internal funds and external grants secured by faculty proposals from HHMI, NSF, MN-DNR, Dreyfus, United Science, and the ACS Fluorine Division (to name a few). The College supports summer research for first year students through the FYRE program.

- 400 MHz NMR
- UV/Vis spectrophotometers
- 2 FT-IR spectrophotometers
- Horiba Jobin fluorimeter
- Confocal microscope
- Visualization center
- ICP-MS, LC-MS, GC-MS
- Molecular modeling computer cluster

Department and Shared Instrumentation

Tuan Tran '13  
ACS Chemistry Major

"The professors in the chemistry department are very friendly and take good care of their students. When I work with my research advisor, I don't feel the barrier between student and professor. At the beginning of my research project, I asked my adviser if I could do anything to help him with his grant proposal, and he told me, 'It is not my project. It is *our* project. We are partners.' I think it is an unusual thing to have a relationship like that with a professor, but a lot of Gustavus students can get that experience if they want."



Student Reflections



Amy Christensen '15  
Chemistry and Environmental Studies Major

"My summer research experiences have been indispensable to my education at Gustavus. Not only have they helped me to become more confident in my lab work and pick up new information more quickly in my classes, but they have also opened new avenues for me and my education. Through these experiences, I have been given opportunities to present at conferences and build strong relationships with professors that would not have been possible through typical classroom settings."