



**Biology Teachers of Students who are  
Deaf: Opening Pathways to  
Technician Careers**

October 13-15, 2019

National Technical Institute for the Deaf  
Rochester, NY

[https://qubeshub.org/community/groups/opening\\_the\\_pathway](https://qubeshub.org/community/groups/opening_the_pathway)

Offered by DeafTEC & BioQUEST

In technician education, biology serves as a gateway course for students interested in technical fields such as agricultural technology, biotechnology, and environmental sciences where the Deaf/hard of hearing (D/HH) population is underrepresented. Improving biology education practices for Deaf/HH students has the potential to increase their participation by engaging them at the introductory biology level and lowering barriers to technical career education tracks.

This conference will offer a focused, immersive professional development experience for high school teachers, community college faculty, and interpreters involved in teaching biology to deaf/hh students. We will focus on using case studies, Universal Design for Learning (UDL) principles, and the challenges and opportunities of teaching with a visual language - American Sign Language (ASL) to enhance student success in biology.

Participants will:

- Learn how to design and implement case studies in their classrooms,
- Promote student literacy skills,
- Explore Universal Design for Learning practices for the biology classroom,
- Strengthen their biology content knowledge,
- Learn from students and biologists who are Deaf about their educational pathways,
- Learn from industry representatives about the opportunities for students in biology technical careers, and
- Join a community of peers from around the country interested in biology education for students who are deaf/hh.

Who should attend? Biology teachers at high school and two year colleges who teach students who are deaf/hh, and interpreters who work in biology classes and settings.