



2021 Postsecondary Career and Technical Education Research Fellow

Mason Reed Lefler

Doctoral Research Fellow, Utah State University

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Belk Center
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Bio. Mason works as the Associate Vice President for Educational Innovation at Bridgerland Technical College where he oversees the Curriculum, Design, and Development Department, as well as grants at the college. In his work with grants, Mason acts as a principal investigator of multiple NSF Advanced Technical Education grants. In addition, he manages multiple grants in data analytics and information technology within the state of Utah. Mason earned a Bachelor's of Psychology from Brigham Young University, a Master's of Secondary Education at Arizona State University, and a Master's of Instructional Leadership from Utah State University. He began his educational career as a middle school teacher where he piloted flipped-classroom models using technology. His interests in curriculum development and instructional technology led him to begin his doctoral studies at Utah State University in the Instructional Technology and Learning Sciences Department. As a graduate researcher, Mason has academic publications in problem-based learning, computer-based scaffolding, and learning analytics. He is excited to continue his research at the nexus of curriculum design, instructional technology, CTE, and work-based learning.

Project. Rural high school students face more obstacles than their urban counterparts when it comes to participation in advanced STEM CTE courses. Very little research has been conducted on the effectiveness and/or best practices for online dual enrollment CTE in rural high schools using learning management systems. This research project compares the effectiveness of rural vs urban dual enrollment CTE courses in automated manufacturing.



Research Sponsor: Andrew Walker, Ph.D.
Department Head and Associate Professor of Instructional Technology and Learning Sciences
Utah State University

The Program

Fellows will be part of a community that participates in two national research training institutes, research methods webinars, works with CTE research mentors, and conducts postsecondary CTE research.

“We have designed this CTE Fellows program to provide scholars with the unique opportunity to be part of a community and a formal curriculum to develop their research skills while working toward improving the field of CTE.” — James Bartlett II, Ph.D., Principal Investigator

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