



Belk Center
for Community College
Leadership and Research



2020 Postsecondary Career and Technical Education Research Fellow

Sponsored by the ECMC Foundation

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Bio. Alain Ayangma is a doctoral candidate pursuing an Ed.D in Adult and Community College Education at North Carolina State University in the department of Educational Leadership, Policy and Human Development. Alain is also an Assistant Professor of Mathematics in the Mathematics and Physics department at Wake technical Community College in Raleigh, NC, where he currently serves as the lead faculty for Brief Calculus (MAT-263). Prior to coming to Wake tech, he taught at Greenville Technical College in Greenville, SC for several years. He has presented at several conferences on topics ranging from how to bridge the gap between the mathematics curricula and CTE students' career paths, to the leveraging of improvement science in educational settings. Additionally, he has held various positions at fortune 500 companies including: Samsung Electronics, TD bank and BMW. Alain was the recipient of the 2018-2019 Anderson-Glass fellowship from North Carolina State University's College of Education. He also was a 2019 Achieving The Dream fellow.

Project. Globalization, technology, labor market demands and economic growth have created the need for a skilled workforce. Community colleges play a pivotal role in the fight to meet workforce development needs by offering CTE courses online in an attempt to expand their reach.

This quantitative study aims to identify the interactions in online CTE courses and then explore the relationships among interactions and student success outcomes in the context of an online postsecondary CTE environment.



Research Sponsor: James E. Bartlett, II, Ph.D.
Associate Professor & Director of Academic Programs
Belk Center for Community College Leadership & Research
North Carolina 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.

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