CLOUDTech Expansion Project
Trident Technical College
Charleston, SC

The primary goal of the CLOUDTech Expansion Project is to advance the national knowledge base of virtualization and cloud technology curriculum and hands-on lab activities in order to meet industry needs. A secondary goal is to strengthen the STEM pipeline in information technology (IT) through K-12 outreach and the development of transfer pathways. Deliverables include a minimum of 50 Labs developed for private cloud, NETLAB virtual cloud, and commercial public cloud hosting environments that can be integrated into new or existing curriculum courses.

102 The CLOUDTech Expansion Project has made it possible for 136 students in the Charleston, South Carolina metro area to receive Cloud Computing education while pursuing academic certificates and/or degrees.	**12** Since 2017, twelve youth apprentices gained skills in virtualization and cloud computing while getting on-the job training as a direct result of the CLOUDTech Expansion Project.	**20%** The project supports increasing the number women in IT. To date, 20% of the students that have gained entry-level cloud computing skills as a direct result of the CLOUDTech Expansion Project were women.	**3** Three transfer options with 4-year universities were created during the CLOUDTech Expansion Project including: Charleston Southern University, ECPI University (North Charleston, SC Campus), and Middle Georgia State University

For access to assignments/labs/activities developed by the project visit the website:
https://www.tridenttech.edu/academics/divisions/bt/CLOUDTech/index.htm

Terry Richburg – Principal Investigator Terry.Richburg@tridenttech.edu 843.574.6608

Carter Burns - Co-Principal Investigator Carter.Burns@tridenttech.edu 843.574.6602

Steven Woodside – Co-Principal Investigator Steven.Woodside@tridenttech.edu 843.574.6606

Ronald Sharman – Lab Developer Ronald.Sharman@tridenttech.edu 843.574.6353

Stacy Truelove– Faculty Developer Stacy.Truelove@tridenttech.edu 843.574.6165

NSF Grant# 1801164