

Cloud Computing

Building an Industry-aligned Pathway to Careers in Cloud Computing

Project Dates: October 1, 2018 to September 30, 2021

Columbus State Community College, in partnership with Northern Virginia Community College, will develop a cloud technician pathway, integrating cloud computing and targeted initiatives for underserved populations. This project will also produce a cloud literacy curriculum to prepare high school dual-credit students and entry-level community college students for cloud technology, allowing for delivery via project-based learning courses.

INTELLECTUAL MERIT & BROADER IMPACTS

The initiatives developed in this project will create solid career pathways for cloud computing. New and enhanced curriculum will guide students through foundational courses leading to Cloud Fundamentals Certification as well as an Associate of Applied Science with a specialization in Cloud Computing. A cloud literacy initiative will be pursued in order to develop relationships with high schools and aid in guiding students toward entry into IT. The project will also work with high school and community college educators to develop a community of practice in order to create training programs, and hold a Cloud Educator Boot-Camp. Finally, an aggressive outreach plan will be created as the project team works with veteran service agencies to recruit current and former military personnel into the program.

PROJECT DELIVERABLES

1. Development of a collaboratively created and industry-led **curriculum in cloud computing**, including foundational courses leading to the Cloud Fundamentals Certification, stackable toward an Associate of Applied Science with Cloud Specialization.
2. Creation of a **cloud literacy initiative** to facilitate the education pipeline from high school to community college.
3. Establishment of a **professional development community of practice** for high school and community college faculty to share best practices for cloud credential mapping and educator training.
4. Development of a **veteran outreach plan** to attract active and former military personnel into the cloud technology program.

CONTACT INFORMATION

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