

**National Science Foundation (NSF) Advanced Technology Education (ATE)  
Data Analytics Technician Advancement (DATA) Program (1700454)  
Project Summary**

**Total: \$ 689,189**

**Project Period: 8/1/2017 to 7/30/2020**

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Columbus State Community College, in partnership with Education Development Center (EDC), veterans' organizations, central Ohio employers (Alliance Data, CoverMyMeds, Franklin County Auditor's Office, Grange Insurance, and the Ohio Attorney General's Office), regional high schools (South-Western City Schools, Tolles Career & Technical Center), and two regional universities (Franklin, Otterbein) will develop a new career pathway in Data Analytics. The career pathway will have two tracks: one for incoming students from regional high schools; and one for veterans and underemployed incumbent workers.

Columbus State Community College, a major academic, workforce development provider for the region, is expanding its programs to reflect the need for these required, advanced technical skills (Columbus2020, 2014). The table below depicts projected growth of related-occupations (EMSI, 2016).

**Table 1. Related Regional Occupation Growth**

SOC Code	Job Title	2024 Jobs	Change	% Change
15-1121	Computer Analysts	10,414	1,744	+20%
19-4061	Social Science Research Assistants	108	25	+30%
43-9111	Statistical Assistants	224	25	+13%
	<b>TOTAL</b>	<b>10,746</b>	<b>1,794</b>	<b>+20%</b>

The goal of the proposed ATE project is to establish a Data Analytics Technician Advancement (DATA) Pathway in the central Ohio region to increase the supply of qualified technicians. The project will create the following deliverables:

1. New industry-led curriculum in data analytics including three new courses resulting in a new DATA certificate that is stackable toward an Associate's Degree in Information Systems & Analytics. The new curriculum will include digitized content and experiential learning through a capstone course.
2. A 2+2+2 Data Analytics Technician Advancement (DATA) Pathway to coordinate and facilitate the education pipeline from high school to the community college. It will include a template articulation agreement with regional universities.
3. A collaboratively developed internship guide for data analytics technicians working with the EDC.
4. Learning modules that educate students on the foundational aspects of data analytics. These will be adaptable for contextualized courses within other non-computer science programs.
5. Outreach plan for veteran populations to attract active and former military into the DATA program.

