

President's High Growth Job Training Initiative

Geospatial User Sector Skills Mapping



Grant Amount: \$187,939

Grantee: Rancho Santiago Community College District (RSCCD)

Key Partners: Orange County Workforce Investment Board, St. Louis Community College, the Orange County Transit Authority, and The University of Southern Mississippi

Leveraged Amount: \$56,684

Location of Grant Activities: Santa Ana, Calif., and St. Louis, Mo.

Challenge: Geospatial user applications within existing widespread occupations have the most growth potential according to the sector's stakeholders. Identifying the geospatial skills that will apply to a broad range of occupations is critical in developing geospatial technology education and training capacity that meets employer demand. RSCCD and St. Louis Community College, along with their partners, will assess the needs for geospatial skills in the natural resources, construction, manufacturing, trade/transportation and other key geospatial technology user communities.

Addressing the Challenge: With its \$187,939 grant, RSCCD will: 1) design and conduct a survey of local businesses and industries to identify geospatial use and workforce skills needs; 2) identify key occupations with the greatest need for geospatial skills; 3) identify the specific geospatial skills required of those occupations; and 4) develop a matrix of knowledge and skills necessary for each occupation, matched to existing and needed college curriculum.

Projected Outcomes:

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- An assessment model and instrument to identify occupations in need of geospatial technology skill sets and the specific competencies and skills for each occupation.
- Specific occupations, within high-growth industries, for which geospatial technology user skills are required, within the regions;
- Skills and competencies listed for each occupation;
- A matrix mapping skills and competencies to selected occupations and curriculum, existing and to-be-developed.

* The term "geospatial industry" is not all-inclusive. It may refer to mapmakers, academics, and others engaged in such activities.

