

Applying Geospatial and Engineering Technology - Project Objectives and Outcomes Matrix

PROJECT OBJECTIVES	2016 BASELINE	PROJECT OUTCOMES	DATA SOURCES	YEAR 4 PROGRESS
<p>1 – Curriculum Development: An associate degree program in GET and certificate program in Land Surveying will be developed</p>	<p>Availability of new associate degree program in GET and new certificate program in Land Surveying</p>	<p>One (1) GET A.S. degree program and one (1) Land Surveying certificate program will be developed; Two (2) courses designed; One (1) Environmental Science & Hydrology course curricula will be redesigned; 150 students served; Student Learning Gains will be measured by “satisfactory completion of core courses” with at least 60% of enrollees completing with a “C” or better; Student satisfaction with support services will be measured</p>	<p>Curriculum; Project records; Meeting minutes; Institutional records; Surveys; Stakeholder interviews; Website</p>	<ul style="list-style-type: none"> • The Associate of Science degree pathway in GET and the land surveying certificate were approved in 2018. • One course modification and six new surveying and environmental science courses were approved, including <i>Professional Practice of Surveying</i> and <i>Mathematical Methods for Geospatial Science and Technology</i>. • In spring 2021, 21 students were enrolled in the A.S. degree pathway in GET or the land surveying certificate. Five students have graduated with their degree, and six students have earned the certificate. • <i>Surveying I</i>, <i>Surveying II</i>, and <i>Legal Aspects of Surveying</i> were offered in spring 2021, and 90% of students completed their course with a grade of C or better.
<p>2 – Workforce Development: GET career pathway will be developed</p>	<p>Availability of career pathway; consummation of articulation agreements</p>	<p>One (1) career pathway will be designed leading to certificates, AS and BS degrees; at least three (3) articulation agreements will be approved; effective recruiting strategies established with an emphasis on underrepresented groups; internships established</p>	<p>Articulation agreements; Records; Meeting minutes; Surveys; Stakeholder interviews; Website; Site visits</p>	<ul style="list-style-type: none"> • One articulation agreement with a technical college has been executed, and three others are currently under review. • Eight surveying and geoscience classes have been approved for dual enrollment students in UNG’s service region. During the 2020-2021 academic year, all five dual enrolled students completed their course with a grade of C or better. • Prior to COVID-19, the project team engaged in open house, public outreach, and on-campus recruiting events at high schools and career academies. All in-person events were cancelled during the fourth program year. • The Geospatial Alliance Club continued to meet virtually during the pandemic. • No changes or expansion to the internship process have been documented. • A SAMSOG Chapter on UNG’s Gainesville campus is under development.

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<p>3 – Dissemination: Disseminate information on products, processes and lessons learned</p>	<p>Information disseminated on website; newsletter professional conferences; professional publications</p>	<p>Ten (10) products/processes will be posted on project/partner websites including the “Lessons Learned Manual”; outcomes reported through professional conferences and journals; news releases; at least 1 file will be uploaded to the National STEM Education Distributed Learning Data Repository; and deliverables archived in ATE Central</p>	<p>Announcements; Brochures; Media dissemination; Newsletters; Posters; Presentations; Publications; Reports; Website</p>	<ul style="list-style-type: none"> • Information about AGET has been disseminated to the UNG Foundation Board, public school districts in UNG’s service region, and SAMSOG. • Prior to COVID-19, presentations were given in-person and virtually at a variety of state, regional, and national conferences. In the fourth program year, dissemination activities were limited to virtual engagements. • An article for ESRI’s <i>ArcNews/ArcUser</i> publication is currently under review. • The Lessons Learned Manual is being developed, and is expected to be completed by the conclusion of the no-cost extension. • Project-related materials are currently being archived with ATE Central.