

| UTC Project Information | |
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| Project Title | Workforce Development Outreach at the University of Alabama at Birmingham (UAB) |
| University | University of Alabama at Birmingham |
| Principal Investigator | Jason T. Kirby, PhD Associate Professor Civil, Construction & Environmental Engineering |
| PI Contact Information | E-mail: jtkirby@uab.edu Tel: (205) 934-8479 |
| Funding Source(s) and Amounts Provided (by each agency or organization) | STRIDE: \$29,233 UAB: \$29,233 (match) *Renewable each year. |
| Total Project Cost | \$29,233 |
| Agency ID or Contract Number | 69A3551747104 |
| Start and End Dates | July 01, 2019 to September 31, 2020 |
| Brief Description of Research Project | <p>To strengthen and expand UAB's efforts to promote transportation engineering and STEM careers through K-12 educational programs we are proposing the following activities</p> <ol style="list-style-type: none"> 1. Auto-STRIDE curriculum development and implementation – A yearlong STEM activity for 20 students in the 7th through 10th grade, which will emphasize engineering in autonomous transportation systems (i.e. autonomous vehicles). 2. Girls in Science and Engineering Day - This event will target local middle school aged girls (6th to 8th grade) from the Birmingham area and will invite them to the UAB campus on a Saturday (8:30 am to 3:30 pm). The students will rotate through different fun science and engineering workshops led by UAB professors, scientists, or graduate students. The workshops would be scientifically-based, yet fun, engaging, and active for the girls. 3. UAB Kids in Engineering Day - The event targets 4th and 6th graders from schools across North-Central Alabama and will feature fun and educational activities involving different types of engineering and STEM activities. |
| Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here | Not available. Research is in progress. |
| Impacts/Benefits of Implementation (actual, not anticipated) | Not available. Research is in progress. |
| Web Links <ul style="list-style-type: none"> • Reports • Project website | https://stride.ce.ufl.edu/k-12-workforce-development/active-k-12-projects/ |