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STEM and Branches: Update on the Columbus State University STEM-II Initiative

Cindy Ticknor  
*Columbus State University*

Tim Howard  
*Columbus State University*

Kimberly Shaw  
*Columbus State University*

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Developing a STEM Teacher Recruitment Pipeline

UTeach Columbus

A newly designed, streamlined curriculum and the support of highly experienced Master Teachers, university students prepare to teach secondary math and science via a model that has proven highly successful around the U.S. at recruiting teachers who stick with the profession and excel at inquiry-based instructional methods. This program has been made possible through Georgia’s Race to the Top funding, with a grant worth up to $1.4 million. CSU committed to substantial matching contributions in order to demonstrate support, and long-term planning for the sustainability of this program.

CRAFT-STEM

The Columbus Region Academy of Future Teachers of STEM is an NSF Robert Noyce Teacher Scholarship program funded with grant number 116356. Program components include a STEM Honors Summer Camp engaging high school juniors and seniors in STEM research and activities, $4500 summer internships for CSU freshmen and sophomores, and scholarships worth $10,000-13,000. This five-year grant is worth approximately $1.2 million.

MAYT = Math and Science Teachers Council

A group of STEM and STEM education faculty, together with staff from CSU STEM outreach centers (Oxbow Meadows, Coca-Cola Space Science Center, Columbus Regional Math Collaborative) working to promote K-12 teacher preparation and improve university student learning. Formed in conjunction with the first STEM Initiative.

Math & Science Learning Center

A community resource dedicated to enhancing the learning of math and science through development, best-practices training for college faculty as well as in-service and pre-service K-12 teachers. The center also provides tutoring and tutor training. Established with STEM Initiative funding.