

Graduate Council Resolution in support of a Reasonable and Moderate Extension for the creation of the Science, Technology, Engineering, and Mathematics (STEM) Education Research Center in the College of Science

RATIONALE

Whereas, the College of Science has proposed the creation of the Science, Technology, Engineering, and Mathematics (STEM) Education Research Center; and

Whereas, the STEM Education Research Center, through leveraging of existing programs and the development of new programs and workshops will aim to support and prepare K-12 teachers within school districts in the SIU Carbondale service area for the adoption of the Common Core State Standards and the Next Generation Science Standards; and

Whereas, the STEM Education Research Center will take the lead in assessing various pedagogical changes in undergraduate STEM education on the SIU Carbondale campus, compiling an inventory of best practices supported by data, and developing undergraduate STEM internship opportunities, in order to provide optimal preparation of undergraduate students for graduate school or their chose professions; and

Whereas, the STEM Education Research Center will explore the optimal uses of technology in the graduate educational system and coordinate with the Center for Teaching Excellence for the training and professional development of graduate teaching assistants in effective communication practices to undergraduate students; and

Whereas, the STEM Education Research Center, after an initial modest budget request from the Chancellor's office, projects revenues, largely supported by delivery of professional development workshops for teachers, of \$200,000 after 5 years of operation;

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Therefore, be it resolved that the Graduate Council approves the proposed RME for the creation of the **STEM Education Research Center** in the College of Science.