

Tuesday, April 11, 2023
11-11:50 AM CM 266 and Zoom
KEEN@South Dakota Mines Seminar
Julia M. Williams, PhD

Cultivating Entrepreneurial Mindset in the Humanities, Social Sciences, and Arts Educational Contexts

Talk Abstract: According to the Kern Entrepreneurial Engineering Network (KEEN) website, an entrepreneurial mindset (EM) is a collection of mental habits that amplify an engineer's technical skills, equipping them to solve societal problems and create an environment for human flourishing. Embedded in this description is a clear role for educators in engineering contexts who teach in humanities, social science, and arts (HSSA) fields. At Rose-Hulman Institute of Technology, we have brought EM into HSSA courses, contributing to the development of undergraduate students and their abilities to solve societal problems. In this presentation, I will discuss the HSSA courses created with an EM focus, a wide variety of interventions that often bring HSSA into collaboration with engineering and computer science disciplines. In addition to these models, I'll work with attendees on their own course ideas, so bring along an potential class so we can cultivate EM for your students.

Speaker Bio: Julia M. Williams is the author of *Making Changes in STEM Education: The Change Maker's Toolkit* (Taylor & Francis, 2023), a research-based, practice-focused guide to achieving change in STEM. Beginning in 2012, she served as a founding team member of the Making Academic Change Happen (MACH) Workshop that serves faculty, administrators, and graduate students as they pursue their change goals. She is Principal Investigator on the NSF Revolutionizing Engineering Departments (RED) Participatory Action Research (PAR) project, a practice-research collaboration that provides customized faculty development support for 26 RED project teams. Williams' publications on academic change, assessment, engineering and professional communication, tablet PCs, and ungrading have appeared in the *Journal of Engineering Education* and *IEEE Transactions on Professional Communication*, among others. She has been awarded grants from Microsoft, HP, the Engineering Communication Foundation, and National Science Foundation. She has received numerous awards, including the 2015 Schlesinger Award (IEEE Professional Communication Society) and 2010 Sterling Olmsted Award (ASEE Liberal Education Division). She is Professor of English at Rose-Hulman Institute of Technology.