

1135-AE-1873 **Susan L. Ganter*** (susan.ganter@erau.edu), **Jack Bookman**, **Rhonda Ellis** and **Rebecca Segal**. *A National Consortium for Synergistic Undergraduate Mathematics via Multi-institutional Interdisciplinary Teaching Partnerships (SUMMIT-P)*. Preliminary report.

SUMMIT-P is a consortium of eleven institutions that have formed an interdisciplinary collaborative to renew the undergraduate mathematics curriculum based on research about the needs of partner disciplines, as identified in a series of 22 workshops organized by MAA's Committee on Curriculum Renewal Across the First Two Years (CRAFTY). The Curriculum Foundations (CF) reports, written by partner discipline representatives, indicate a need for mathematics that emphasizes problem solving, statistics and quantitative data, problems in context, and appropriate technologies. Mathematicians and partner discipline faculty are investigating how the CF recommendations can be used to improve course content. Impact across the consortium will be measured using the following research questions: 1. What are the beliefs of SUMMIT-P faculty concerning the importance of interdisciplinary collaborations? 2. How and to what extent are institutions implementing and supporting interdisciplinary collaborations? 3. Has the SUMMIT-P work benefited from faculty learning communities (FLCs)? Have these FLCs supported meaningful and authentic collaborations across the disciplines? 4. Have the affected courses and student learning/attitudes improved as a result of the SUMMIT-P work? (Received September 25, 2017)