1154-97-2259 Susan Ganter* (susan.ganter@erau.edu), Jack Bookman, Bill Haver, Stella Hofrenning and Victor Piercey. Collaborative Research: A National Consortium for Synergistic Undergraduate Mathematics via Multi-institutional Interdisciplinary Teaching Partnerships (SUMMIT-P). Preliminary report.

In conjunction with the MAA Committee on Curriculum Renewal Across the First Two Years (CRAFTY), SUMMIT-P has been working together since 2016 to revise and improve the lower division undergraduate mathematics curriculum. The key element of these innovations is interdisciplinary partnerships, with partner disciplines directly involved in decisions about curricular needs.

The SUMMIT-P consortium's high levels of success with collaborative work between mathematicians and faculty from partner disciplines has led to interest and engagement from others in the academic community. The project's knowledge base currently is expanding via an increasing understanding of components of the SUMMIT-P model that are effective in the development of interdisciplinary partnerships. This has resulted in a group of institutions that now have extensive and growing experience in methods that nurture strong working relationships across campus. As such, the current SUMMIT-P institutions are ready to serve as leaders and mentors for other institutions, enabling a swift learning curve for new SUMMIT-P colleagues and therefore the ability to more effectively measure the impact of the SUMMIT-P model for fostering interdisciplinary collaboration. (Received September 17, 2019)