Kerry M. Luse* (lusek@trinitydc.edu). An Interdisciplinary Approach to Inclusive Excellence. Preliminary report.

The math and science instructors at Trinity Washington University are striving to increase inclusive practices in order to improve retention of STEM students. We have found that introductory math courses and introductory science courses are a point in the curriculum in which many students stop out. In this talk I will describe interdisciplinary interventions developed by our math and science departments to support and retain students in STEM majors. Our approach includes updates to the first year math course, the creation of an embedded tutor program, and the addition of a 1 credit course to foster student belonging and increase skills for college success. Preliminary results show that our revised curriculum enhances student belonging in STEM but does not yet show a statistically significant difference in success in introductory math. I will discuss how this data led to the creation of the tutoring program and changes to the 1 credit course as well as initial results from these additions. Our work is supported by an HHMI Inclusive Excellence grant. (Received September 16, 2019)