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Harry F Hoke* (hhoke@richmond.edu), Mathematics and Computer Science Department, 28 Westhampton Way, Univ. of Richmond, VA 23173, and **Kathy W Hoke** (khoke@richmond.edu). *Science Math and Research Training (SMART) Calculus at University of Richmond.*

University of Richmond Integrated Science Experience (URISE) aims to remove barriers that impede the persistence, retention, and success of underrepresented students in STEM disciplines in part through interdisciplinary STEM education. Students selected for URISE complete a community building summer science experience prior to their first semester and then enroll in one of two courses: Science, Math and Research Training (SMART) for those with limited math background or Integrated Quantitative Science (IQS) for those who have had calculus. This talk focuses on SMART, a two semester integrated Biology and Chemistry course coordinated with two semesters of SMART calculus. We present aspects of SMART calculus that encourage persistence in STEM. There is no assumption of prior calculus, algebra and pre-calculus are incorporated just-in-time rather than in a separate course before calculus, and a workshop day each week relates the analysis of data the students collected in Bio-Chem lab to calculus. We will also present outcome data from three years as the first SMART class approaches graduation. (Received July 21, 2016)