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James A. Mendoza Epperson* (epperson@uta.edu), Box 19408, Department of Mathematics, The University of Texas at Arlington, Arlington, TX 76019-0408. *Successful Intervention Programs in Mathematics for Undergraduates Historically Underrepresented in the Mathematics-based Disciplines.*

In this talk, we highlight successful intervention programs for increasing achievement in mathematics in higher education for students historically underrepresented in the mathematics-based disciplines. We examine the Emerging Scholars Program (ESP) as an effort which has consistently supported high achievement in introductory mathematics courses for over thirty years (Hsu, Murphy, & Treisman, 2009). We also discuss broad features of successful programs including the opportunities and challenges faced in creating and maintaining these programs. (Received September 22, 2009)