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The Teaching Assistant (TA) training program in the School of Mathematics began as a pilot in the Fall 2000 term. After running a successful pilot, the faculty of the School of Mathematics approved a one-credit hour, pass/fail course, for training our new undergraduate TAs. This course has been used as a model for training TAs in other departments at Georgia Tech, and currently runs through the Center for Teaching and Learning (CTL) as the course CETL 2000 MAT. We employ approximately 45-60 undergraduate TAs each term. Undergraduate TAs undergo a rigorous application process, and enroll in our TA training course concurrent with their first teaching assignment. As part of the training, each new TA is videotaped in his/her classroom at least once in the first teaching term. We measure the effectiveness of our TAs through midterm surveys, the institute's official Teaching Assistant Opinion Survey (TAOS), faculty evaluations, and classroom observations. (Received July 24, 2018)