

1116-F1-2352 **Jess Ellis*** (jess.ellis84@gmail.com), **Natasha Speer** (natasha.speer@maine.edu) and **Jack Bookman** (bookman@math.duke.edu). *Preparing our future colleagues: A report on the national landscape of graduate student instructor professional development programs.* Preliminary report.

The MAA project, Characteristics of Successful Programs in College Calculus (CSPCC), identified seven features of more successful calculus programs across the country. One such feature was robust graduate teaching assistant professional development (GTA PD). In this report, we briefly describe two MAA led projects that extend and build on CSPCC findings: one builds on the CSPCC project by supporting institutions to implement these successful characteristics, and the other provides instructional resources for GTA PD to help start new programs and improve existing programs. We then describe results of a national survey of PhD and Masters degree granting mathematics departments. Of the 226 participating institutions, 149 reported that their department currently has a GTA PD program. Results indicate that there is considerable variation in the teaching preparation offered to mathematics graduate students, there are over fifty institutions seeking improvements to their GTA PD programs, and their needs are in line with the change strategies that the MAA projects are employing. Specifically, many institutions are interested in opportunities for faculty to learn more about GTA PD and to have conversations with colleagues at similar institutions. (Received September 22, 2015)