

1125-F1-1967      **Margaret H. Dean** (mdean@bmcc.cuny.edu), 199 Chambers Street, N599, New York, NY 10007,  
and **Yi Han** and **Fatima Prioleau\*** (fprioleau@bmcc.cuny.edu). *Prepare Potential STEM  
Majors Who Are Not Yet Ready for Calculus Sequence*. Preliminary report.

Many high school students intend to major in a STEM field in college, but most of them won't be able to handle the rigorous courses they'll need to earn a degree in science, technology, engineering and math. The ACT report for the year 2014 stated that only 5% of African American and 13% of Hispanic high school graduates met the STEM readiness benchmark. At BMCC-CUNY, the vast majority of its student population is comprised of minority groups, many of whom are academically underprepared. Most students come from urban high schools with weak science and math programs and must be provided remedial instruction to address these deficiencies. A BMCC report showed that there is at least one extra year delay for a math major who starts at the remedial mathematics level. In helping prepare potential STEM majors who are not yet ready for the Calculus sequence, we use WeBWork (An Educational Open-source platform). We have also rebuilt our calculus sequence starting from the intermediate algebra/trigonometry course. In this presentation we will share our preliminary report. (Received September 20, 2016)