

1135-VD-2475 **Marianna Bonanome*** (mbonanome@citytech.cuny.edu), Massapequa, NY. *Re-imagining STEM gateway courses and the faculty seminar developed to support them*. Preliminary report.

“Opening Gateways to Completion: Open Digital Pedagogies for Student Success in STEM” is a large, cross-institutional collaboration between the mathematics departments at the New York City College of Technology, CUNY and the Borough of Manhattan Community College, CUNY aimed at supporting student success in gateway math courses (supported by the U.S. DOE). We discuss how this project has introduced open-source digital technologies, open educational resources, and active learning strategies into the sequence of high-enrollment mathematics courses required for STEM disciplines at each college. The creation of an intensive seminar for faculty participants offered by the Opening Gateways team in the fall 2016 semester, followed by the implementation of a class structure for a gateway Algebra and Trigonometry course which includes active learning pedagogies, the utilization of WeBWorK (an open-source, online homework system) and OpenLab (City Tech’s online platform) is discussed.” (Received September 26, 2017)