Purpose: This project will restructure the existing post-baccalaureate Master of Arts in Teaching (MAT) Dual Certification program to prepare middle and secondary educators through three interdisciplinary strands of teacher preparation: Inclusive pedagogy (in compliance with CEC standards); Intensive content area preparation in mathematics or science (according to the New Jersey Core Curriculum and Content Standards and High Quality Teaching requirements of the Individuals with Disabilities Education Act); and Integrative science, technology, engineering and mathematics (iSTEM) education (according to Standards for Technology Literacy).

Method: Activities of this project include: (a) partnering with five urban school districts in the Montclair State University (MSU) Network for Educational Renewal, the MSU College of Science and Mathematics faculty, the NJ Department of Education, and the NJ Technology Education Association; (b) working with approximately 20 students per year who will receive a Master of Arts in Teaching, NJ State Licensure in mathematics education or science education, NJ Teacher of Students with Disabilities endorsement, and a certificate in inclusive iSTEM education; (c) providing field experiences with highly qualified, fully supported mentor teachers; (d) providing a combination of on-campus, field-based, and carefully designed hybrid/online coursework; and (e) integrating high-incidence disability-specific coursework with evidence-based pedagogy.
Products: