

**PR Award #:** U336S190025

**Organization Name:** Wayne State University

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**Project Model:** Residency Model

**Competitive Preference Priorities:** (1) Promoting STEM Education

**Invitational Priority – No**

**Requested Total Award Amount:**

**Project Description:**

Teaching Residency for Urban Excellence (TRUE) Project, an accelerated graduate-level certification and residency program for mid-career professionals in science, technology, engineering and mathematics (STEM) and computer science (CS) fields. The Metro Detroit TRUE Project aims to improve student academic achievement, especially in STEM and computer science areas, by leveraging the residents' content expertise and integrating research proven strategies, such as culturally responsive teaching and trauma-informed, socio-emotional learning, to become effective urban schoolteachers.

**Project Expected Outcomes:**

Teaching (Goal 1): to recruit, prepare, and graduate diverse and highly qualified STEM, including computer science, teachers to work in high-need urban schools Residency (Goal 2): to immerse participants in year-long residencies in Michigan's largest urban, high-need school districts Urban (Goal 3): to upskill mid-career professionals with STEM and CS expertise to transition as schoolteachers with competencies in culturally responsive pedagogy and trauma informed, socio-emotional learning Excellence (Goal 4): to positively impact student achievement in high-need districts and schools residents will participate in an 18-month graduate-level teaching certification, which includes a full-year, immersive school placement and is followed by a two-year induction period. They will undergo an innovative curriculum and residency, with ongoing comprehensive support from course faculty, staff advisor, residency and induction coaches, and mentor teachers.

**Project Special Features:**

The TRUE Project will prepare teachers to work with students in two high-need local education agencies. Residents will participate in an 18-month graduate-level teaching certification, which includes a full-year, immersive school placement and is followed by a two-year induction period. They will undergo an innovative curriculum and residency, with ongoing comprehensive support from course faculty, staff advisor, residency and induction coaches, and mentor teachers. Ultimately, the project aims to prepare diverse and highly qualified teachers to bring STEM learning to students in Michigan's largest urban, high need school districts.

**Project Partners:** Detroit Public Schools Community District (DPSCD) and Dearborn Public Schools (Dearborn PS).