

PR Award #: U336S190048

Organization Name: Research Foundation of CUNY on behalf of Lehman College

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Project Model: Residency Model

Competitive Preference Priorities: Project designed to improve student achievement or other educational outcomes in computer science

Invitational Priority – Opportunity Zones: No

Requested Total Award Amount: \$5,416,270.00

Project Description:

LUTE-STEM (Lehman Urban Transformative Education- STEM) is a proposal for Lehman College's second USDOE Teacher Quality Partnership program. Central to the program design is a full year residency in a high need school that candidates complete while finishing a graduate course of study. Four cohorts, selected from College teacher pipeline programs that recruit undergraduates from socially, racially, ethnically, and linguistically diverse backgrounds, work as co-teachers in high- need partner schools (five New York City Department of Education schools during phase one with an additional five added during phase two). In addition, LUTESTEM residents complete a master's program in bilingual early childhood, bilingual childhood, secondary mathematics, or secondary science; qualify for a NYSED teaching certificate; and earn a computer science micro-credential by the end of the summer following the residency.

Project Expected Outcomes:

After year five, LUTE-STEM will prepare 100 fully credentialed teachers who will be hired to teach in high need Bronx schools. Given the current teacher shortage in our borough, it is reasonable to assume that all residents will be able to secure employment. If openings exist, residents will become teachers of record in their host schools. Program graduates will demonstrate the requisite content, pedagogical, and pedagogical content knowledge in STEM disciplines to be "Ready Day One" as a teacher of record (US PREP Coalition commitment). We have set a high bar for retention of program completers: Over 70% will remain in high need schools for a minimum of three years.

Project Special Features:

LUTE-STEM completers will be able to incorporate computer science offerings into their classrooms, schools, and after-school programs and meet NYSDOE Computer Science for All professional development requirements. The micro-credential will serve as an entry point to Lehman's computer science advanced certificate. It is anticipated that over half of the program completers will earn the advanced certificate in computer science within three years of program completion.

Project Partners:

Lehman College School of Education; Lehman School of Natural and Social Sciences;

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LUTE-STEM will select five high-needs Bronx host school sites in collaboration

with the NYCDOE for phase one (Years 2-3) and an additional five schools for phase two (Years 4-5)