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<th>PR Award #</th>
<th>U350A110011</th>
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<tbody>
<tr>
<td>Name of Organization</td>
<td>Hamline University of Minnesota -- Hamline School of Education</td>
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<tr>
<td>Name of Project</td>
<td>Twin Cities Teacher Collaborative (TC2) STEM Residency</td>
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<td>City, State</td>
<td>Saint Paul, Minnesota</td>
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**PROJECT ABSTRACT**

**Lead partner:** Hamline University: Twin Cities Teacher Collaborative (TC2) Collaborative partners: Augsburg College, Bethel University, Concordia University-St. Paul, St. Catherine University, University of St. Thomas

**Summary of goals, expected outcomes, project activities, and special features:** The Twin Cities Teacher Collaborative (TC2), a consortium of six private institutions of higher learning, is a unique teacher preparation initiative in Minnesota designed to reduce educational disparities and increase the number of learners who attend post-secondary school through a radical redesign of teacher preparation programs in Minnesota. The collaborative is developing a new evidence informed, post-baccalaureate urban teacher residency program.

With a Transition to Teaching grant, TC2 will address one of our region’s greatest gaps – a shortage in highly qualified STEM teachers in the Minneapolis and St. Paul Public Schools where overall student competency in mathematics and science are 30-40% lower than the state average. TC2 will recruit, prepare, support, and license 60 highly qualified STEM teachers working with trained mentor teachers in two high-need urban K-12 school districts over five years. TC2 will recruit TTT scholars from recent STEM graduates of our six colleges/universities. These pre-service teachers will receive a TTT stipend to participate in TC2’s intensive year-long post-baccalaureate STEM Residency. Key features of the TC2 STEM Residency include: a nine-month co-teaching experience with a trained mentor teacher; integrated coursework emphasizing cultural competence and differentiation; continuous assessment; and an intense focus on specialized STEM teaching content. At completion of the residency, TC2 STEM residents will receive a license in the following high-need subject areas: Elementary with a STEM focus; 5-12 Mathematics; or 9-12 Physics, Chemistry, Earth/Space Science, or Life Science. Participants will receive three years of induction support in their teaching position.

The TC2 model combines three strands of evidence-informed approaches to prepare effective STEM teachers: specialized content teaching knowledge; cultural competence; and an urban teacher residency model. Data from both our TTT evaluation, as well as from the longitudinal value-added regional study in which TC2 is participating, will contribute to the nation’s dialogue on linking teacher preparation to student learning.