

Metropolitan Chicago Region STEM Program Profile

Program Focus (check as appropriate): Science Technology
 Engineering Mathematics

Name of Program: STEM-ENGINES URC: Engaging the Next Generation IN Exploring STEM Undergraduate Research Collaborative

Lead Organization: Harold Washington College

Program Location/Address: 30 E. Lake St.

Program Website: www.stemengines.com

Program Contact: Thomas Higgins, Principal Investigator; Morna Brothers, Project Director

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Program Description:

The STEM-ENGINES Undergraduate Research Collaborative (URC) program is funded by the Nation Science Foundation with generous support from its member schools: City Colleges of Chicago, College of DuPage, Harper College, Hope College, Illinois State University, Oakton Community College, and Youngstown State University. The overall goal of this collaborative community is to help two-year college students become independent scientists and complete their associates and bachelors degrees in the STEM disciplines, ultimately propelling them into scientific careers. Programming includes paid research internships, where community college students with an interest in science are matched with faculty mentors at community colleges during the academic year and at four-year institutions during the summer. In addition to research, URC students are part of a scholarly community that supports their growth as scientists and builds their skills in related areas such as communication, time management, leadership, and innovation.

Type of Program (check as appropriate):

<input type="checkbox"/>	Professional Development for Teachers	<input type="checkbox"/>	Lesson Plans for Teachers
<input type="checkbox"/>	Career Awareness	<input checked="" type="checkbox"/>	Internship
<input type="checkbox"/>	Mentorship	<input type="checkbox"/>	Job Shadowing
<input checked="" type="checkbox"/>	College Based or College Level Courses	<input checked="" type="checkbox"/>	Student Academic/Educational Enrichment Program
<input type="checkbox"/>	Other (please specify):		

Area Served:

<input checked="" type="checkbox"/> Chicago	<input checked="" type="checkbox"/> Cook County - North	<input type="checkbox"/> Cook County – South and West
<input type="checkbox"/> DeKalb County	<input checked="" type="checkbox"/> DuPage County	<input type="checkbox"/> Grundy County
<input type="checkbox"/> Kankakee County	<input type="checkbox"/> Kendall County	<input type="checkbox"/> Kane County
<input type="checkbox"/> McHenry County	<input type="checkbox"/> Will County	<input type="checkbox"/> Lake County
		<input type="checkbox"/> Livingston County
		<input type="checkbox"/> Other (please specify):

Age/Grade Level: community college students (1st and 2nd year college students)

<input type="checkbox"/> Preschool	<input type="checkbox"/> Elementary (K-5)	<input type="checkbox"/> Middle School (6-8)	<input type="checkbox"/> High School (9-12)
<input checked="" type="checkbox"/> Undergraduate	<input type="checkbox"/> Graduate	<input type="checkbox"/> Teachers/Counselors	<input type="checkbox"/> Retiree/Career Changers

Targeted Population:

<input checked="" type="checkbox"/> Asian and/or Pacific Islander	<input checked="" type="checkbox"/> Black or African American	<input checked="" type="checkbox"/> Hispanic or Latino
<input checked="" type="checkbox"/> Disabled	<input checked="" type="checkbox"/> Economically Disadvantaged	<input checked="" type="checkbox"/> Native American Indian
<input checked="" type="checkbox"/> Women	<input checked="" type="checkbox"/> Other (please specify): Community College	

Program Start Date: 11/2006

Program End Date:

Cost to Participant: NA

Financial Assistance Available: Yes No

Total Number of Participants per Program Cycle: 65

Primary Funding Source (optional):

<input type="checkbox"/> Academia	<input type="checkbox"/> Foundation	<input type="checkbox"/> Industry
<input checked="" type="checkbox"/> Government	<input type="checkbox"/> Self Pay	<input type="checkbox"/> Other (specify):

Amount of Funding (optional):

Other Funding Sources and Amounts (optional):

Other Program Partners:

Harper College
College of DuPage
Oakton Community College
Hope College
Illinois State University
Youngstown State University