

**CSUN College of Engineering and Computer Science**  
**2016 HSI-STEM/AIMS<sup>2</sup> Grant Project**  
*Project Objectives and Measures by Institution and Assessment Methods*

Objectives and Measures	Institutions	Assessment
<i>Objective 1: Improve the academic achievement of Hispanic and low-income students in engineering and computer science fields.</i>		
<b>Performance Measure (1.1): The percent of Hispanic and low-income students who participated in grant-supported services or programs who successfully completed gateway courses.</b>	<b>CSUN, COC, GCC, Moorpark, Pierce</b>	<b>Institutional Data Program Data</b>
<b>Performance Measure (1.2): The percent of Hispanic and low-income students who participated in grant-supported services or programs in good academic standing.</b>	<b>CSUN, COC, GCC, Moorpark, Pierce</b>	<b>Institutional Data Program Data</b>
<i>Outcome Measure (1.3): Improvements in student success (non-cognitive) skills.</i>	CSUN, COC, GCC, Moorpark, Pierce: <i>Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.</i>	EMS (CSUN) Focus Groups Program Data
<i>Objective 2: Enhance faculty and peer environments for Hispanic and low-income students in engineering and computer science fields.</i>		
<b>Performance Measure (2.1): The number of Hispanic and low-income students participating in grant-funded student support programs or services.</b>	<b>CSUN, COC, GCC, Moorpark, Pierce</b>	<b>Program Data</b>
<i>Outcome Measure (2.2): Improvements in self-reports of quality, quantity, and effects of student-faculty and peer-peer interaction.</i>	CSUN, COC, GCC, Moorpark, Pierce: <i>Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.</i>	EMS (CSUN) Focus Groups Program Data
<i>Objective 3: Improve the transfer of Hispanic and low-income students in engineering and computer science fields to baccalaureate-granting institutions.</i>		
<b>Performance Measure (3.1): The percentage change, over the five-year grant period, of the number of Hispanic and low-income, full-time STEM field degree-seeking undergraduate students enrolled.</b>	<b>CSUN, COC, GCC, Moorpark, Pierce</b>	<b>Institutional Data</b>
<b>Performance Measure (3.2): The percentage of Hispanic and low-income, first-time STEM field degree-seeking undergraduate students who were in their first year of postsecondary enrollment in the previous year and are enrolled in the current year who remain in a STEM field degree/credential program.</b>	<b>COC, GCC, Moorpark, Pierce</b>	<b>Institutional Data</b>
<i>Objective 4: Improve career preparation of Hispanic and low-income students in engineering and computer science fields.</i>		
<i>Outcome Measure (4.1): Gains on measures of self-perceptions, attitudes, and skills related to career.</i>	CSUN, COC, GCC, Moorpark, Pierce: <i>Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.</i>	EMS (CSUN) Focus Groups Program Data
<i>Objective 5: Develop research skills of Hispanic and low-income students in engineering and computer science.</i>		
<i>Outcome Measure (5.1): Gains on measures of self-perceptions, attitudes, and skills related to research from URSSA survey and interviews.</i>	CSUN, COC, GCC, Moorpark, Pierce: <i>Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges. Web-based URSSA led by CSUN evaluation team for selected student participants in CSUN faculty research.</i>	URSSA Focus Groups Program Data
<i>Objective 6: Increase baccalaureate degree completion of Hispanic and low-income students in engineering and computer science fields.</i>		
<i>Performance Measure (6.1): The percentage of Hispanic and low-income students transferring successfully to a four-year institution from a two-year institution and retained in a STEM field major.</i>	CSUN	Institutional Data
<i>Performance Measure (6.2): The percent of Hispanic and low-income STEM field major transfer students on track to complete a STEM field degree within three years from their transfer date.</i>	CSUN	Institutional Data
<i>Performance Measure (6.3): The percent of Hispanic and low-income students who participated in grant-supported services or programs and completed a degree or credential.</i>	CSUN	Institutional Data Program Data

*Note: Bolded items denote objectives that community colleges produce for reporting purposes.*