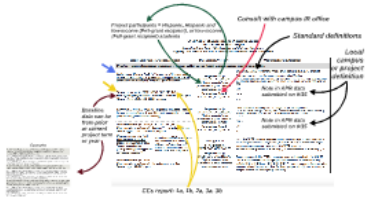
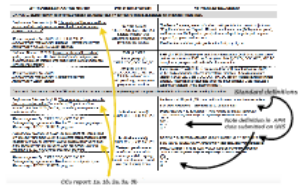
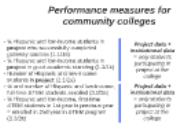
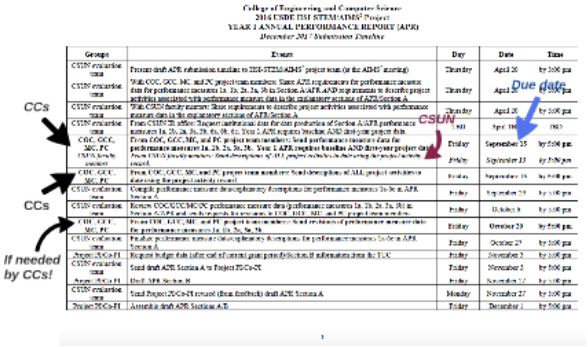
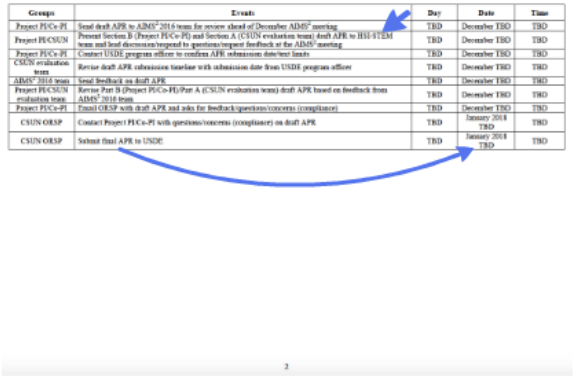




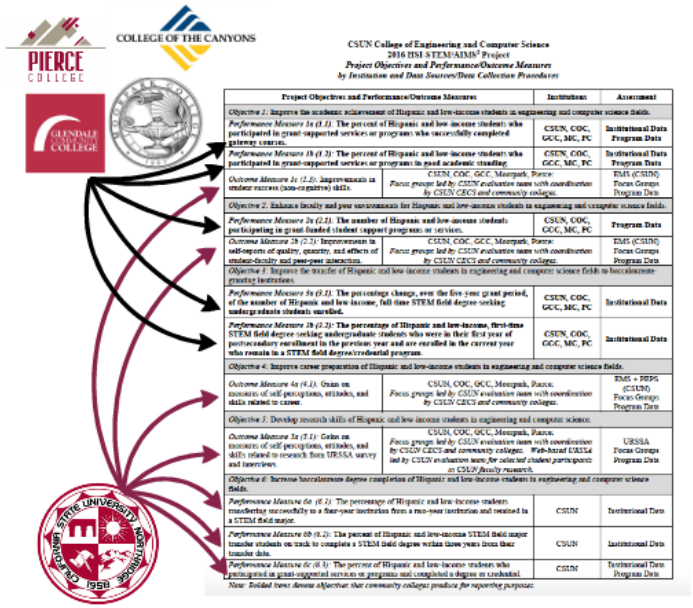


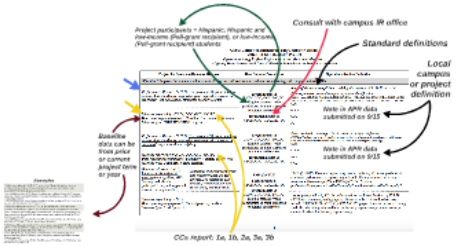


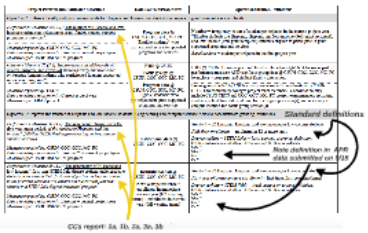


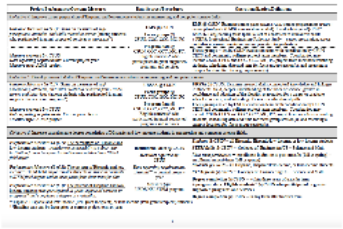
2016 AIMS2 APR: Operationalizing and Preparing for Report Production and Submission

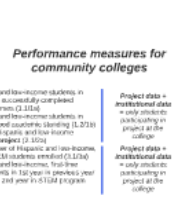
Nathan Durdella 4/20/17

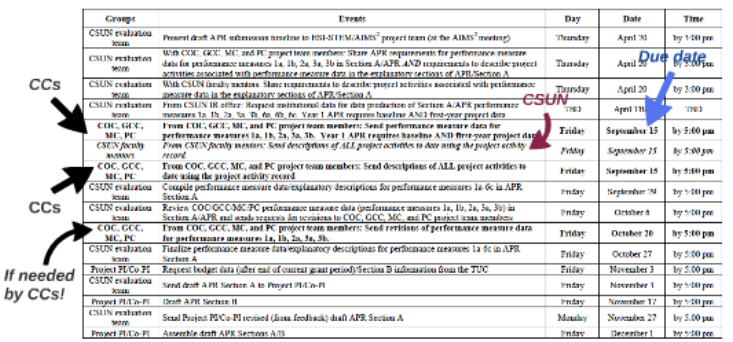


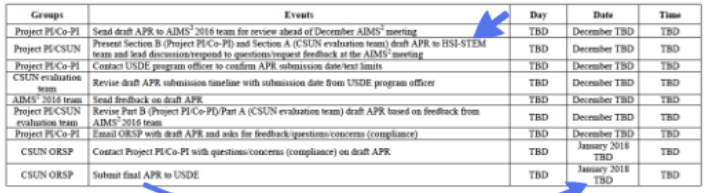






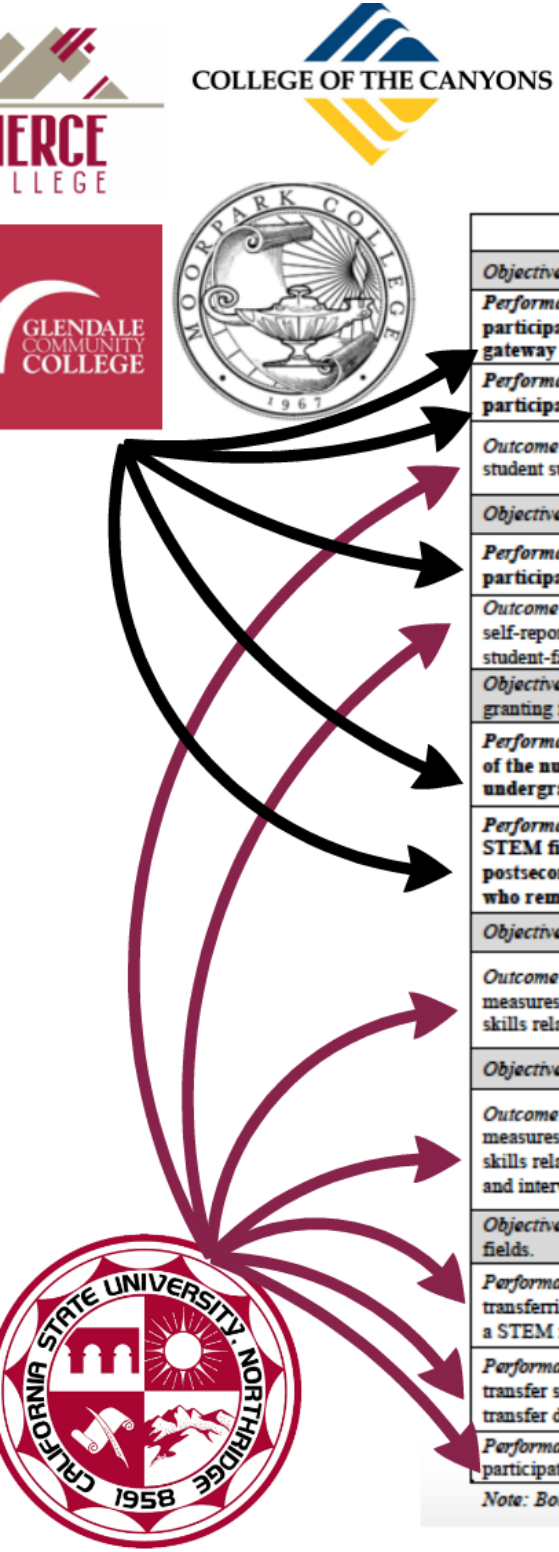






2016 AIMS2 APR: Operationalizing and Preparing for Report Production and Submission

Nathan Durdella 4/20/17



CSUN College of Engineering and Computer Science
2016 HSI-STEM/AIMS^2 Project
Project Objectives and Performance/Outcome Measures
by Institution and Data Sources/Data Collection Procedures

Project Objectives and Performance/Outcome Measures	Institutions	Assessment
Objective 1: Improve the academic achievement of Hispanic and low-income students in engineering and computer science fields.		
***Performance Measure 1a (1.1):* The percent of Hispanic and low-income students who participated in grant-supported services or programs who successfully completed gateway courses.**	**CSUN, COC, GCC, MC, PC**	**Institutional Data Program Data**
***Performance Measure 1b (1.2):* The percent of Hispanic and low-income students who participated in grant-supported services or programs in good academic standing.**	**CSUN, COC, GCC, MC, PC**	**Institutional Data Program Data**
Outcome Measure 1c (1.3): Improvements in student success (non-cognitive) skills.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EMS (CSUN) Focus Groups Program Data
Objective 2: Enhance faculty and peer environments for Hispanic and low-income students in engineering and computer science fields.		
***Performance Measure 2a (2.1):* The number of Hispanic and low-income students participating in grant-funded student support programs or services.**	**CSUN, COC, GCC, MC, PC**	**Program Data**
Outcome Measure 2b (2.2): Improvements in self-reports of quality, quantity, and effects of student-faculty and peer-peer interaction.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EMS (CSUN) Focus Groups Program Data
Objective 3: Improve the transfer of Hispanic and low-income students in engineering and computer science fields to baccalaureate-granting institutions.		
***Performance Measure 3a (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.**	**CSUN, COC, GCC, MC, PC**	**Institutional Data**
***Performance Measure 3b (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.**	**CSUN, COC, GCC, MC, PC**	**Institutional Data**
Objective 4: Improve career preparation of Hispanic and low-income students in engineering and computer science fields.		
Outcome Measure 4a (4.1): Gains on measures of self-perceptions, attitudes, and skills related to career.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EMS + PEPS (CSUN) Focus Groups Program Data
Objective 5: Develop research skills of Hispanic and low-income students in engineering and computer science.		
Outcome Measure 5a (5.1): Gains on measures of self-perceptions, attitudes, and skills related to research from URSSA survey and interviews.	CSUN, COC, GCC, Moorpark, Pierce: *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.*	URSSA Focus Groups Program Data
Objective 6: Increase baccalaureate degree completion of Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 6a (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.	CSUN	Institutional Data
Performance Measure 6b (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.	CSUN	Institutional Data
Performance Measure 6c (6.3): The percent of Hispanic and low-income students who participated in grant-supported services or programs and completed a degree or credential.	CSUN	Institutional Data Program Data

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

Performance measures for community colleges

- % Hispanic and low-income students in **project** who successfully completed gateway courses (1.1/1a)
- % Hispanic and low-income students in **project** in good academic standing (1.2/1b)
- Number of Hispanic and low-income students in **project** (2.1/2a)

Project data + institutional data *= only students participating in project at the college*

- % and number of Hispanic and low-income, full-time STEM students enrolled (3.1/3a)
- % Hispanic and low-income, first-time STEM students in 1st year in previous year = enrolled in 2nd year in STEM program (3.2/3b)

Project data + institutional data *= only students participating in project at the college*

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CSUN College of Engineering and Computer Science
2016 HSI-STEM/AIMS² Project
Project Objectives and Performance/Outcome Measures
by Institution and Data Sources/Data Collection Procedures

Project Objectives and Performance/Outcome Measures	Institutions	Assessment
Objective 1: Improve the academic achievement of Hispanic and low-income students in engineering and computer science fields.		
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***Performance Measure 1b (1.2):* The percent of Hispanic and low-income students who participated in grant-supported services or programs in good academic standing.**	**CSUN, COC, GCC, MC, PC**	**Institutional Data Program Data**
Outcome Measure 1c (1.3): Improvements in student success (non-cognitive) skills.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EMS (CSUN) Focus Groups Program Data
Objective 2: Enhance faculty and peer environments for Hispanic and low-income students in engineering and computer science fields.		
***Performance Measure 2a (2.1):* The number of Hispanic and low-income students participating in grant-funded student support programs or services.**	**CSUN, COC, GCC, MC, PC**	**Program Data**
Outcome Measure 2b (2.2): Improvements in self-reports of quality, quantity, and effects of student-faculty and peer-peer interaction.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EMS (CSUN) Focus Groups Program Data
Objective 3: Improve the transfer of Hispanic and low-income students in engineering and computer science fields to baccalaureate-granting institutions.		
***Performance Measure 3a (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.**	**CSUN, COC, GCC, MC, PC**	**Institutional Data**
***Performance Measure 3b (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.**	**CSUN, COC, GCC, MC, PC**	**Institutional Data**
Objective 4: Improve career preparation of Hispanic and low-income students in engineering and computer science fields.		
Outcome Measure 4a (4.1): Gains on measures of self-perceptions, attitudes, and skills related to career.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EMS + PEPS (CSUN) Focus Groups Program Data
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Outcome Measure 5a (5.1): Gains on measures of self-perceptions, attitudes, and skills related to research from URSSA survey and interviews.	CSUN, COC, GCC, Moorpark, Pierce: *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.*	URSSA Focus Groups Program Data
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Performance Measure 6b (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.	CSUN	Institutional Data
Performance Measure 6c (6.3): The percent of Hispanic and low-income students who participated in grant-supported services or programs and completed a degree or credential.	CSUN	Institutional Data Program Data

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

Project participants = Hispanic, Hispanic and low-income (Pell-grant recipient), or low-income (Pell-grant recipient) students

Consult with campus IR office

Standard definitions

Local campus or project definition

CSUN College of Engineering and Computer Science
2016 HSI-STEM/AIMS^2 Project
Operationalizing Project Performance and Outcome Measures:
Aligning Data Sources and Data Collection Procedures to Project Assessment

Project Performance/Outcome Measures	Data Sources/Procedures	Operationalization/Definitions
Objective 1: Improve the academic achievement of Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 1a (1.1): The percent of Hispanic and low-income students who participated in grant-supported services or programs* *who successfully completed gateway courses.* *Measure reported by:* CSUN, COC, GCC, MC, PC *Data reporting requirements*: Baseline** + current project-year *Measure type:* USDE HSI-STEM program	**Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services **Institutional data @** CSUN, COC, GCC, MC, PC	*Successful course completion* = valid grade notation of A, B, C, or credit *Gateway courses = local campus or project identification:* CSUN = AM 316, CE 340, ME 370, MSE 304, ECE 340/L, ECE 350, ECE 320/L, MSE 304, MSE 304, MSE 362, MSE 402, CE 340, COMP 333, COMP 322/L, COMP 380/L, CIT 270/L, CIT 360 COC = GCC = MC = PC = Note in APR data submitted on 9/15
Performance Measure 1b (1.2): The percent of Hispanic and low-income students who participated in grant-supported services or programs* in good academic standing. *Measure reported by:* CSUN, COC, GCC, MC, PC *Data reporting requirements*: Baseline** + current project-year *Measure type:* USDE HSI-STEM program	**Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services **Institutional data @** CSUN, COC, GCC, MC, PC	*Good academic standing = local campus or project definition* CSUN = "Students are in good standing at the conclusion of any matriculated term in which they have both a cumulative total GPA and a CSUN GPA of 2.0 or higher." (catalog) COC = GCC = MC = PC = Note in APR data submitted on 9/15
Outcome Measure 1c (1.3): Improvements in student success *(non-cognitive) skills* (among students who participated in grant-supported services or programs*) — *Attitudinal and behavioral traits and characteristics like self-efficacy, self-discipline, self-concept, communication and social skills, and study skills* *Measure reported by:* CSUN *Data reporting requirements*: Current project-year data *Measure type:* AIMS^2 project	**EMS @** CSUN **Focus groups @** CSUN, COC, GCC, MC, PC **Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services	EMS @ CSUN: Examine engineering task self-efficacy-Q15 as a predictor of academic performance + engineering task self-efficacy as a facet of a larger measure achievement profile + EMS @ CSUN: Explore professional/interpersonal self-efficacy-Q15 and innovation self-efficacy-Q15 **Focus groups** = led by CSUN evaluation team with coordination by CSUN CECS and community colleges project team members. Coordination may include CSUN CECS and COC, GCC, MC, PC project team members recruiting students, scheduling date and time for focus group session(s), and reserving a campus location for focus group session(s).

Baseline data can be from prior or current project term or year

CCs report: 1a, 1b, 2a, 3a, 3b

Examples

Performance Measure 1a (1.1): The percent of Hispanic and low-income students who participated in grant-supported services or programs who successfully completed gateway courses.

Year 1 APR (due Dec. 2017): Report baseline data = Match Spring 2017 program data (i.e., project participant SIDs) to institutional data on successful completion of gateway courses

Year 2 APR (due Dec. 2018): Report baseline data from Spring 2017, then compare to current-year data from Fall 2017-Spring 2018

Performance Measure 2a (2.1): The number of Hispanic and low-income students participating in grant-funded student support programs or services.

Year 1 APR (due Dec. 2017): Report baseline data = no prior project participants, then compare to Spring 2017 data (new project participants in Spring 2017-Fall 2017 to Sept. 15, 2017

Year 2 APR (due Dec. 2018): Report baseline data, then compare to current-year data from Fall 2017-Spring 2018 data (new project participants)

Performance Measure 3a (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.

Year 1 APR (due Dec. 2017): Report baseline data = Fall 2015-Spring 2016 institutional data (prior to project), then compare to current-year data from Fall 2016-Spring 2017

Year 2 APR (due Dec. 2018): Report baseline data, then compare to current-year data from Fall 2017-Spring 2018

Examples

Performance Measure 1a (1.1): The percent of Hispanic and low-income students who participated in grant-supported services or programs who successfully completed gateway courses.

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Year 1 APR (due Dec. 2017): Report baseline data = Fall 2015-Spring 2016 institutional data (prior to project), then compare to current-year data from Fall 2016-Spring 2017

Year 2 APR (due Dec. 2018): Report baseline data, then compare to current-year data from Fall 2017-Spring 2018

Project participants = Hispanic, Hispanic and low-income (Pell-grant recipient), or low-income (Pell-grant recipient) students

Consult with campus IR office

Standard definitions

Local campus or project definition

CSUN College of Engineering and Computer Science
2016 HSI-STEM/AIMS^2 Project
Operationalizing Project Performance and Outcome Measures:
Aligning Data Sources and Data Collection Procedures to Project Assessment

Project Performance/Outcome Measures	Data Sources/Procedures	Operationalization/Definitions
Objective 1: Improve the academic achievement of Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 1a (1.1): The percent of Hispanic and low-income students who participated in grant-supported services or programs* *who successfully completed gateway courses.* *Measure reported by:* CSUN, COC, GCC, MC, PC *Data reporting requirements*: Baseline** + current project-year *Measure type:* USDE HSI-STEM program	**Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services **Institutional data @** CSUN, COC, GCC, MC, PC	*Successful course completion* = valid grade notation of A, B, C, or credit *Gateway courses = local campus or project identification:* CSUN = AM 316, CE 340, ME 370, MSE 304, ECE 340/L, ECE 350, ECE 320/L, MSE 304, MSE 304, MSE 362, MSE 402, CE 340, COMP 333, COMP 322/L, COMP 380/L, CIT 270/L, CIT 360 COC = GCC = MC = PC = **Note in APR data submitted on 9/15**
Performance Measure 1b (1.2): The percent of Hispanic and low-income students who participated in grant-supported services or programs* in good academic standing. *Measure reported by:* CSUN, COC, GCC, MC, PC *Data reporting requirements*: Baseline** + current project-year *Measure type:* USDE HSI-STEM program	**Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services **Institutional data @** CSUN, COC, GCC, MC, PC	*Good academic standing = local campus or project definition* CSUN = "Students are in good standing at the conclusion of any matriculated term in which they have both a cumulative total GPA and a CSUN GPA of 2.0 or higher." (catalog) COC = GCC = MC = PC = **Note in APR data submitted on 9/15**
Outcome Measure 1c (1.3): Improvements in student success *(non-cognitive) skills* (among students who participated in grant-supported services or programs*) — *Attitudinal and behavioral traits and characteristics like self-efficacy, self-discipline, self-concept, communication and social skills, and study skills* *Measure reported by:* CSUN *Data reporting requirements*: Current project-year data *Measure type:* AIMS^2 project	**EMS @ CSUN** **Focus groups @** CSUN, COC, GCC, MC, PC **Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services	**EMS @ CSUN:** Examine engineering task self-efficacy-Q15 as a predictor of academic performance + engineering task self-efficacy as a facet of a larger measure achievement profile + EMS @ CSUN: Explore professional/interpersonal self-efficacy-Q15 and innovation self-efficacy-Q15 **Focus groups** = led by CSUN evaluation team with coordination by CSUN CECS and community colleges project team members. Coordination may include CSUN CECS and COC, GCC, MC, PC project team members recruiting students, scheduling date and time for focus group session(s), and reserving a campus location for focus group session(s).

Baseline data can be from prior or current project term or year

CCs report: 1a, 1b, 2a, 3a, 3b

Project Performance/Outcome Measures	Data Sources/Procedures	Operationalization/Definitions
Objective 2: Enhance faculty and peer environments for Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 2a (2.1): The number of Hispanic and low-income students participating in grant-funded student support programs or services*. ***Measure reported by:*** CSUN, COC, GCC, MC, PC ***Data reporting requirements***: Baseline + current project-year ***Measure type:*** USDE HSI-STEM program	**Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services	**Number = frequency count** of student participants in the current project year. *Eligible students are Hispanic, Hispanic and low-income (Pell-grant recipient), and low-income (Pell-grant recipient) students eligible to participate in grant-supported programs and services ***Baseline data*** = student participants in the first project year
Outcome Measure 2b (2.2): Improvements in self-reports of quality, quantity, and effects of *student-faculty and peer-peer interaction* (among students who participated in grant-supported services or programs*) ***Measure reported by:*** CSUN ***Data reporting requirements***: Current project-year ***Measure type:*** AIMS^2 project	**EMS @ CSUN** **Focus groups @** CSUN, COC, GCC, MC, PC **Program data @** CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services	**EMS @ CSUN:** Examine peer and faculty interactions Qs13-14 to assess part of performance measure AND use focus group data @ CSUN, COC, GCC, MC, PC to explore = peer-peer and student-faculty interaction **Focus groups** = led by CSUN evaluation team with coordination by CSUN CECS and community colleges project team members. Coordination may include CSUN CECS and COC, GCC, MC, PC project team members recruiting students, scheduling date and time for focus group session(s), and reserving a campus location for focus group session(s).
Objective 3: Improve the transfer of Hispanic and low-income students in engineering and computer science fields to baccalaureate-granting institutions.		
Performance Measure 3a (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. ***Measure reported by:*** CSUN, COC, GCC, MC, PC ***Data reporting requirements***: Baseline** + current project-year ***Measure type:*** USDE HSI-STEM program	**Institutional data @** CSUN, COC, GCC, MC, PC	***Students*** = all Hispanic, Hispanic and low-income, or low-income students ***Full-time enrollment*** = enrolment in 12 or more units ***Degree seeking + STEM fields*** = *local campus or project definition:* CSUN = declared major in Colleges of: Engineering/CS + Science and Math COC = GCC = MC = PC =
Performance Measure 3b (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.* ***Measure reported by:*** CSUN, COC, GCC, MC, PC ***Data reporting requirements***: Baseline + current project-year ***Measure type:*** USDE HSI-STEM program	**Institutional data@** CSUN, COC, GCC, MC, PC **Next-year persistence =** enrollment in immediate previous year (fall + spring terms) + enrollment in current year (fall + spring terms)	***Students*** = all Hispanic, Hispanic and low-income, or low-income students ***First-year of postsecondary enrollment*** = first-time, first-year enrollment ***Degree-seeking + STEM fields*** = *local campus or project definition:* CSUN = declared major in Colleges of: Engineering/CS + Science and Math COC = GCC = MC = PC =

Standard definitio

Note definition in APR data submitted on 9/15

CCs report: 1a, 1b, 2a, 3a, 3b

Project Performance/Outcome Measures	Data Sources/Procedures	Operationalization/Definitions
Objective 4: Improve career preparation of Hispanic and low-income students in engineering and computer science fields.		
Outcome Measure 4a (4.1): Gains on measures of *self-perceptions, attitudes, and skills related to career* (among students who participated in grant-supported services or programs*) ***Measure reported by:*** CSUN ***Data reporting requirements***: Current project-year ***Measure type:*** AIMS[2] project	**EMS** @ CSUN **Focus groups** @ CSUN, COC, GCC, MC, PC **Program data** @ CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services	**EMS** @ CSUN: Examine career plans (EMS) AND career preparedness (PEPS) career plans/goals (EMS) = innovative work-Q18 and job targets-Qs19-22 **EMS 2.0:** engineering tasks (parallel set of constructs to innovative work **+ PEPS**: Professional Engineering Pathways Study = career preparation, career confidence, career orientation senior year start to graduation **Focus groups** = led by CSUN evaluation team with coordination by CSUN CECS and community colleges project team members. Coordination may include CSUN CECS and COC, GCC, MC, PC project team members recruiting students, scheduling date and time for focus group session(s), and reserving a campus location for focus group session(s).
Objective 5: Develop research skills of Hispanic and low-income students in engineering and computer science.		
Outcome Measure 5a (5.1): Gains on measures of *self-perceptions, attitudes, and skills related to research from URSSA survey and interviews* (among students who participated in grant-supported services or programs*) ***Measure reported by:*** CSUN ***Data reporting requirements***: Current project-year ***Measure type:*** AIMS[2] project	**URSSA** @ CSUN **Focus groups** @ CSUN, COC, GCC, MC, PC **Program data** @ CSUN, COC, GCC, MC, PC: Eligible students* who participated in grant-supported programs and services	**URSSA** @ CSUN: Examine research skills, conceptual knowledge and linkages in students' field, deeper understanding of the work of science, growth in confidence and adoption of the identity, preparation for a career or graduate school in science, understanding of career or educational path. **Focus groups** = led by CSUN evaluation team with coordination by CSUN CECS and community colleges project team members. Coordination may include CSUN CECS and COC, GCC, MC, PC project team members recruiting students, scheduling date and time for focus group session(s), and reserving a campus location for focus group session(s).
Objective 6: Increase baccalaureate degree completion of Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 6a (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.*	**Institutional data** @ CSUN ***Measures reported by:*** CSUN ***Data reporting requirements***: Baseline** + current project-year ***Measure type:*** USDE HSI-STEM program	***Students @ CSUN*** = all Hispanic, Hispanic/low-income, or low-income students ***STEM fields @ CSUN*** = Colleges of: Engineering/CS + Science and Math ***Next-term persistence*** = enrollment in first-term post-transfer (fall or spring) + enrollment in next-term (fall or spring)
Performance Measure 6b (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.*		***Students @ CSUN*** = all Hispanic, Hispanic/low-income, or low-income students ***STEM fields @ CSUN*** = Colleges of: Engineering/CS + Science and Math **Degree completion @ CSUN** = within three years of transfer term
Performance Measure 6c (6.3): The percent of Hispanic and low-income students *who participated in grant-supported services or programs* and completed a degree or credential.*		**+ program data: Eligible students* @ CSUN who participated in grant-supported programs and services** **Degree completion @ CSUN** = in any term after transfer term

*Hispanic, Hispanic and low-income (Pell-grant recipient), or low-income (Pell-grant recipient) students
**Baseline data can be from prior or current project term or year

College of Engineering and Computer Science
2016 USDE HSI-STEM/AIMS^2 Project
YEAR 1 ANNUAL PERFORMANCE REPORT (APR)
December 2017 Submission Timeline

Groups	Events	Day	Date	Time
CSUN evaluation team	Present draft APR submission timeline to HSI-STEM/AIMS^2 project team (at the AIMS^2 meeting)	Thursday	April 20	by 3:00 pm
CSUN evaluation team	With COC, GCC, MC, and PC project team members: Share APR requirements for performance measure data for performance measures 1a, 1b, 2a, 3a, 3b in Section A/APR *AND* requirements to describe project activities associated with performance measure data in the explanatory sections of APR/Section A	Thursday	April 20	by 3:00 pm
CSUN evaluation team	With CSUN faculty mentors: Share requirements to describe project activities associated with performance measure data in the explanatory sections of APR/Section A	Thursday	April 20	by 3:00 pm
CSUN evaluation team	From CSUN IR office: Request institutional data for data production of Section A/APR performance measures 1a, 1b, 2a, 3a, 3b, 6a, 6b, 6c. Year 1 APR requires baseline AND first-year project data.	TBD	April TB	TBD
COC, GCC, MC, PC	**From COC, GCC, MC, and PC project team members: Send performance measure data for performance measures 1a, 1b, 2a, 3a, 3b. Year 1 APR requires baseline AND first-year project dat**	**Friday**	**September 15**	**by 5:00 pm**
CSUN faculty mentors	***From CSUN faculty mentors: Send descriptions of ALL project activities to date using the project activity record.***	***Friday***	***September 15***	***by 5:00 pm***
COC, GCC, MC, PC	**From COC, GCC, MC, and PC project team members: Send descriptions of ALL project activities to date using the project activity record**	**Friday**	**September 15**	**by 5:00 pm**
CSUN evaluation team	Compile performance measure data/explanatory descriptions for performance measures 1a-6c in APR Section A	Friday	September 29	by 5:00 pm
CSUN evaluation team	Review COC/GCC/MC/PC performance measure data (performance measures 1a, 1b, 2a, 3a, 3b) in Section A/APR and sends requests for revisions to COC, GCC, MC, and PC project team members	Friday	October 6	by 5:00 pm
COC, GCC, MC, PC	**From COC, GCC, MC, and PC project team members: Send revisions of performance measure data for performance measures 1a, 1b, 2a, 3a, 3b.**	**Friday**	**October 20**	**by 5:00 pm**
CSUN evaluation team	Finalize performance measure data/explanatory descriptions for performance measures 1a-6c in APR Section A	Friday	October 27	by 5:00 pm
Project PI/Co-PI	Request budget data (after end of current grant period)/Section B information from the TUC	Friday	November 3	by 5:00 pm
CSUN evaluation team	Send draft APR Section A to Project PI/Co-PI	Friday	November 3	by 5:00 pm
Project PI/Co-PI	Draft APR Section B	Friday	November 17	by 5:00 pm
CSUN evaluation team	Send Project PI/Co-PI revised (from feedback) draft APR Section A	Monday	November 27	by 5:00 pm
Project PI/Co-PI	Assemble draft APR Sections A/B	Friday	December 1	by 5:00 pm

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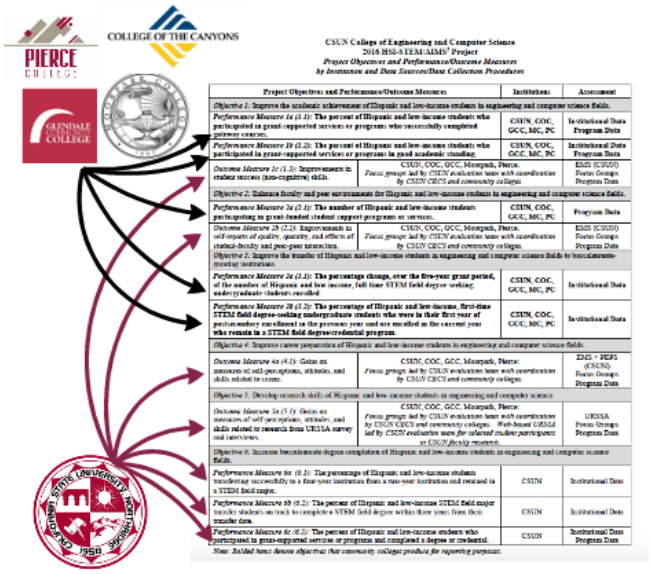
Due date

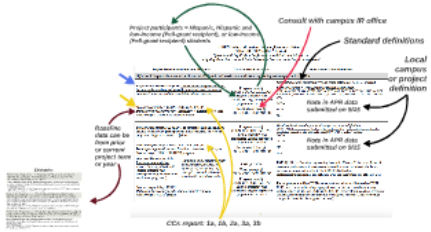
Groups	Events	Day	Date	Time
Project PI/Co-PI	Send draft APR to AIMS^2 2016 team for review ahead of December AIMS^2 meeting	TBD	December TBD	TBD
Project PI/CSUN	Present Section B (Project PI/Co-PI) and Section A (CSUN evaluation team) draft APR to HSI-STEM team and lead discussion/respond to questions/request feedback at the AIMS^2 meeting	TBD	December TBD	TBD
Project PI/Co-PI	Contact USDE program officer to confirm APR submission date/text limits	TBD	December TBD	TBD
CSUN evaluation team	Revise draft APR submission timeline with submission date from USDE program officer	TBD	December TBD	TBD
AIMS^2 2016 team	Send feedback on draft APR	TBD	December TBD	TBD
Project PI/CSUN evaluation team	Revise Part B (Project PI/Co-PI)/Part A (CSUN evaluation team) draft APR based on feedback from AIMS^2 2016 team	TBD	December TBD	TBD
Project PI/Co-PI	Email ORSP with draft APR and asks for feedback/questions/concerns (compliance)	TBD	December TBD	TBD
CSUN ORSP	Contact Project PI/Co-PI with questions/concerns (compliance) on draft APR	TBD	January 2018 TBD	TBD
CSUN ORSP	Submit final APR to USDE	TBD	January 2018 TBD	TBD

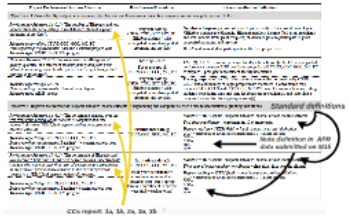


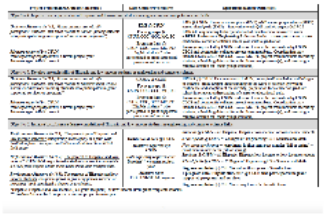
CSUN College of Engineering and Computer Science
2016 HSI-STEM/AIMS² Project
Project Objectives and Performance/Outcome Measures by Instrument and Data Sources/Data Collection Procedures

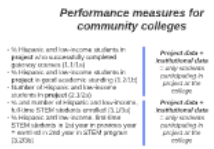
Project Objectives and Performance/Outcome Measures	Institution:	Assessment
Objective 1: Improve the academic achievement of Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 1a (1.1): The percent of Hispanic and low-income students who participated in grant-supported services or programs who successfully completed gateway courses.	CSUN, COC, GCC, MC, PC	Institutional Data Program Data
Performance Measure 1b (1.2): The percent of Hispanic and low-income students who participated in grant-supported services or programs in good academic standing.	CSUN, COC, GCC, MC, PC	Institutional Data Program Data
Outcome Measure 1c (1.3): Improvement in student success (non-cognitive) skills.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EBIS (CSUN) Focus Groups Program Data
Objective 2: Enhance faculty and peer environments for Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 2a (2.1): The number of Hispanic and low-income students participating in grant-funded student support programs or services.	CSUN, COC, GCC, MC, PC	Program Data
Outcome Measure 2b (2.2): Improvements in self-reports of quality, quantity, and effects of student-faculty and peer-peer interaction.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EBIS (CSUN) Focus Groups Program Data
Objective 3: Improve the transfer of Hispanic and low-income students in engineering and computer science fields to baccalaureate-granting institutions.		
Performance Measure 3a (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.	CSUN, COC, GCC, MC, PC	Institutional Data
Performance Measure 3b (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.	CSUN, COC, GCC, MC, PC	Institutional Data
Objective 4: Improve career preparation of Hispanic and low-income students in engineering and computer science fields.		
Outcome Measure 4a (4.1): Gains on measures of self-perceptions, attitudes, and skills related to career.	CSUN, COC, GCC, Moorpark, Pierce: *Focus groups led by CSUN evaluation team with coordination by CSUN CECS and community colleges.*	EBIS + PEPS (CSUN) Focus Groups Program Data
Objective 5: Develop research skills of Hispanic and low-income students in engineering and computer science.		
Outcome Measure 5a (5.1): Gains on measures of self-perceptions, attitudes, and skills related to research from URSSA survey and interviews.	CSUN, COC, GCC, Moorpark, Pierce: *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 at CSUN faculty research.*	URSSA Focus Groups Program Data
Objective 6: Increase baccalaureate degree completion of Hispanic and low-income students in engineering and computer science fields.		
Performance Measure 6a (6.1): The percentage of Hispanic and low-income students transferring successfully to a four-year institution from a two-year institution and received in a STEM field major.	CSUN	Institutional Data
Performance Measure 6b (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.	CSUN	Institutional Data
Performance Measure 6c (6.3): The percent of Hispanic and low-income students who participated in grant-supported services or programs and completed a degree or credential.	CSUN	Institutional Data Program Data

Note: Bolded base denotes objectives that community college products for reporting purposes.









College of Engineering and Computer Science
2016 USDE HSI-STEM/AIMS² Project
YEAR 1 ANNUAL PERFORMANCE REPORT (APR)
December 2017 Submission Timeline

Groups	Events	Day	Date	Time
CSUN evaluation team	Present draft APR submission timeline to HSI STEM/AIMS² project team (at the AIMS² meeting)	Tuesday	April 20	by 3:00 pm
CSUN evaluation team	With COC, GCC, MC, and PC project team members: Share APR requirements for performance measure data for performance measures 1a, 1b, 2a, 3a, 3b in Section A/APR, *AND* requirements to describe project activities associated with performance measure data in the explanatory sections of APR/Section A	Tuesday	April 20	by 3:00 pm
CSUN evaluation team	With CSUN *faculty mentors*: Share requirements to *describe* project activities associated with performance measure data in the explanatory sections of APR/Section A	Tuesday	April 20	by 3:00 pm
COC, GCC, MC, PC	From CSUN IR office: Request institutional data for data production of Section A/APR performance measures 1a, 1b, 2a, 3a, 3b, 4a, 4b, &c. Year 1 APR requires baseline AND first-year project data	TBD	April TBD	TBD
CSUN faculty mentors	From COC, GCC, MC, and PC project team members: Send performance measure data for performance measures 1a, 1b, 2a, 3a, 3b. Year 1 APR requires baseline AND first year project data	Friday	September 15	by 5:00 pm
COC, GCC, MC, PC	*From CSUN faculty mentors: Send descriptions of ALL project activities to date using the project activity record.*	Friday	*September 15*	*by 5:00 pm*
CSUN evaluation team	From COC, GCC, MC, and PC project team members: Send descriptions of ALL project activities to date using the project activity record	Friday	September 15	by 5:00 pm
CSUN evaluation team	Compile performance measure data/explanatory descriptions for performance measures 1a-6c in APR Section A	Friday	September 29	by 3:00 pm
CSUN evaluation team	Review COC/GCC/MC/PC performance measure data (performance measures 1a, 1b, 2a, 3a, 3b) in Section A/APR, and sends requests for revisions to COC, GCC, MC, and PC project team members	Friday	October 6	by 3:00 pm
COC, GCC, MC, PC	From COC, GCC, MC, and PC project team members: Send revisions of performance measure data for performance measures 1a, 1b, 2a, 3a, 3b.	Friday	October 20	by 5:00 pm
CSUN evaluation team	Finalize performance measure data/explanatory descriptions for performance measures 1a-6c in APR Section A	Friday	October 27	by 5:00 pm
Project PI/Co-PI	Request budget data (after end of current grant period)/Section B information from the ITUC	Friday	November 3	by 3:00 pm
CSUN evaluation team	Send draft APR Section A to Project PI/Co-PI	Friday	November 3	by 3:00 pm
Project PI/Co-PI	Draft APR Section B	Friday	November 17	by 5:00 pm
CSUN evaluation team	Send Project PI/Co-PI revised (from feedback) draft APR Section A	Monday	November 27	by 3:00 pm
Project PI/Co-PI	Assemble draft APR Sections A/B	Friday	December 1	by 3:00 pm

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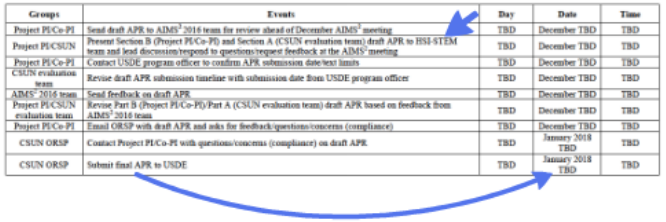
Due date
CSUN



Groups	Events	Day	Date	Time
Project PI/Co-PI	Send draft APR to AIMS² 2016 team for review ahead of December AIMS² meeting	TBD	December TBD	TBD
Project PI/CSUN	Present Section B (Project PI/Co-PI) and Section A (CSUN evaluation team) draft APR to HSI-STEM team and lead discussion/respond to questions/request feedback at the AIMS² meeting	TBD	December TBD	TBD
Project PI/Co-PI	Contact USDE program officer to confirm APR submission date/next limits	TBD	December TBD	TBD
CSUN evaluation team	Revise draft APR submission timeline with submission date from USDE program officer	TBD	December TBD	TBD
AIMS² 2016 team	Send feedback on draft APR	TBD	December TBD	TBD
Project PI/CSUN evaluation team	Revise Part B (Project PI/Co-PI)/Part A (CSUN evaluation team) draft APR based on feedback from AIMS² 2016 team	TBD	December TBD	TBD
Project PI/Co-PI	Email ORSP with draft APR and asks for feedback/questions/concerns (compliance)	TBD	December TBD	TBD
CSUN ORSP	Contact Project PI/Co-PI with questions/concerns (compliance) on draft APR	TBD	January 2018 TBD	TBD
CSUN ORSP	Submit final APR to USDE	TBD	January 2018 TBD	TBD

2016 AIMS2 APR: Operationalizing and Preparing for Report Production and Submission

Nathan Durdella 4/20/17