SAN DIEGO
MESA COLLEGE
Proyecto Éxito

SCIENCE • TECHNOLOGY • ENGINEERING • MATH
– STEM CONEXIONES –
SAN DIEGO MESA COLLEGE

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HSI
HISPANIC SERVING INSTITUTION
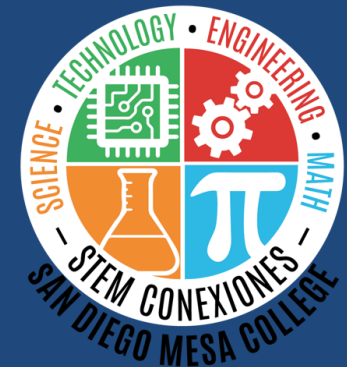
HSI GRANTS – PIE UPDATES
Title V Proyecto Éxito (2014 – 2019)
Title III STEM Conexiones (2016 – 2022)
March 11, 2019

HISPANIC SERVING INSTITUTIONS

- Source: Excelencia in Education, 2017

Location

State/Location	# HSIs
Arkansas	1
Arizona	14
California	163
Colorado	10
Connecticut	6
Florida	25
Georgia	1
Illinois	24
Indiana	1
Kansas	4
Louisiana	1
Massachusetts	6
Nevada	4
New Jersey	16
New Mexico	23
New York	26
Oregon	6
Pennsylvania	1
Puerto Rico	63
Tennessee	1
Texas	90
Washington	6
Total: 22	492

Sector

Sector	# HSIs	% of HSIs*
Public, 4-year or above	120	24%
Public, 2-year	215	44%
Private not-for-profit, 4-year or above	135	27%
Private not-for-profit, 2-year	22	4%
Total:	492	100%

Hispanic/Latino Enrollment

Hispanic/Latino FTE Enrollment	# HSIs	% of HSIs
<100	34	7%
101 – 1,000	166	34%
1,001 – 2,000	85	17%
2,001 – 3,000	57	12%
3,001 – 4,000	38	8%
4,001 – 5,000	40	8%
5,001 – 10,000	53	11%
> 10,000	19	4%
Total:	492	100%

Total FTE Enrollment at HSIs

Race/Ethnicity	Undergraduate
Hispanic/Latino	1,973,344
All students	4,264,278
% Latino:	46%

Degree of Urbanization

Type	% of HSIs*
City	54%
Suburb	31%
Town	9%
Rural	6%
Total:	100%

HISPANIC SERVING INSTITUTIONS

HISPANIC SERVING INSTITUTIONS

Did you know...?

- HSIs represent only 10% of colleges and universities in the U.S., yet we enroll 60% of all Hispanic students.

- 22% of Latinx adults (25 and over) had earned an AA Degree or higher vs. 39% of all adults from 2015-2016 in the U.S.

- We need to accelerate Latinx students' degree attainment to close equity gaps.

- Latinx students have lower adult degree attainment compared to all adults and lower graduation rates compared to Whites in almost all states/locations.

HSI Title V Proyecto Éxito
5 years (2014 – 2019)

Current Projects:
- **Mathletics**
- **English Language Acquisition Redesign**
- **Professional Learning**

- **CRUISE** & **Peer Navigator Programs**
- **AVANZA Student Engagement Center**
- **Classroom Tutoring Program**
- **Campus Conexiones**

IMPERATIVES	EXAMPLES	EXPECTED OUTCOMES
Redesigning Basic Skills and Gateway Courses	• Acceleration • Learning communities	Improvements in Basic Skills/ESOL progression to College Level courses
Initiating New Academic Support & Student Support Systems	• Peer mentoring • Structured Learning Assistance	
Providing Essential Faculty and Staff Development	• Professional development to introduce new classroom pedagogies • Professional development to support student engagement from a cultural perspective	Reduction in the "D/F/W" rates in key gateway courses
Creating Supportive Spaces for Students, Staff and Faculty	• Development of Teaching & Learning Center for Staff and Faculty • Development of a Student Engagement Center with a cultural focus	Improvements in retention and completion rates

HSI Title V Proyecto Éxito
Research Highlights

- **Mathletics**
- Latinx Winter 2018 Mathletics students succeeded in their Math courses at a rate of 93%, 33 percentage points higher than Latinx students that did not sign up and did not attend Mathletics

- **Classroom Tutoring Program**
- High demand: 14 in F'17 & 23 in S'18
- Year 4 Outcomes: CT sections had a success rate of 6.6% points higher than non-CT sections
- Year 4 Outcomes: Among Latinx students, those who accessed CTs saw a success rate increase of 16% points compared to those who did not

- **CRUISE** & **Peer Navigator Programs**
- Year 1: 160;
- Year 2: 380;
- Year 3: 523;
- Year 4: 613
- CRUISE participants had higher retention rates, success rates, persistence rates than non-participating first-time SDCCD students
- Fundamental equity program at Mesa;

HSI Title III STEM Conexiones
## 5 years (2016 – 2021)

Current Projects:
- **STEM Counseling**
- STEM Outreach: High Schools & Univ.
- **STEM Core Program**
- **STEM Community Scholars Program**
- **STEM Center: Tutoring, Mentoring**
- **Innovation Research Lab**
- Professional Learning & Lab Redesign

Goal: Create the conditions for more full-time, Hispanic, and/or low-income students to seek a STEM degree, complete a STEM degree, and transfer in a STEM major.

Dept of Education STEM disciplines:
- Archaeology
- Astronomy
- Biology
- Chemistry
- Computer Information Science
- Engineering
- Geographic Information Systems
- Geology
- Mathematics
- Psychology
- Physical Science
- Physics

Student Connections   Pathway Connections   Faculty Connections
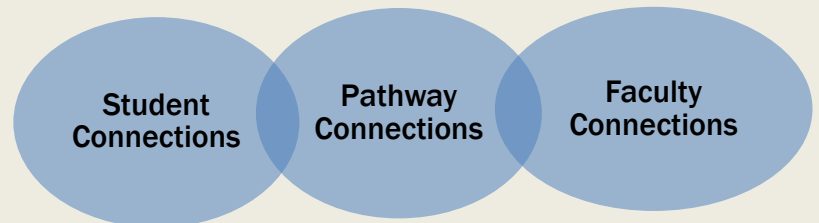
HSI Title III STEM Conexiones Research Highlights

- [STEM Core Program](#)
- [STEM Center: Tutoring, Mentoring](#)
- STEM Counseling

- Hispanic OR low-income students who participated in grant-supported services in F'17 contributed to 520 enrollments in STEM gateway courses. Of these, 415 were successful (A,B,C,P). **80% success**

- Hispanic OR low-income students who DID NOT participate in grant-supported services in F'17 was **62%.**

- A total of 400 Hispanic OR low-income students participated in grant-supported services/programs in F'17
- Out of these 400 students, **94%** (n=376) were in good academic standing.
- Among Hispanic OR low-income students who did not participate in grant-supported services, **85%** were in good academic standing during the same period.

STEM CORE

Interested in pursuing a Science, Technology, Engineering or Math (STEM) degree?

STEM CORE PROGRAM
sdmesa.edu/stemcore

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SAN DIEGO MESA COLLEGE

2017-2018 Cohort Data
2018-2019 Cohort Data

-One-year STEM prep program

-Math emphasis

-Students finish pre-req courses to major in the sciences

-Part of a learning community

-Eligibility for a summer internship

Title V Proyecto Éxito

- Institutionalization Plan for Mathletics
- Smart Classroom & WiFi Upgrades
- Faculty Inquiry Groups (Social & Behav Sci)
- Dashboards for Cruise & Embedded Tutoring

Title III STEM Conex

- Innovation Research Lab (Permanent Locn)
- STEM Center Offerings
- STEM Professional Learning MiniGrants
- Dashboards for STEM Core & STEM Peer Mentoring