

# *El Mapa Matemático/Math Map*

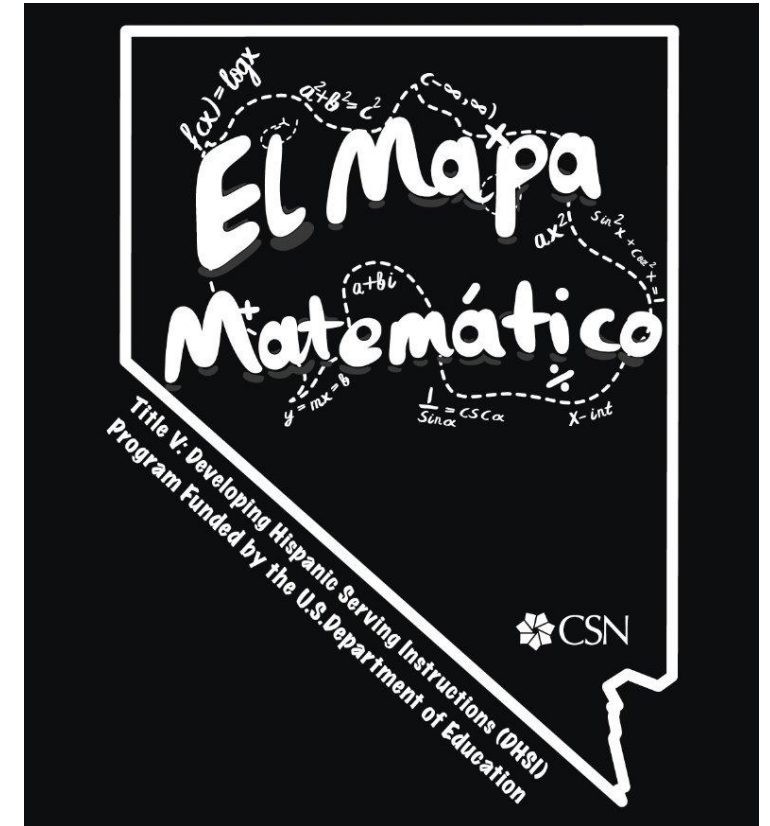
TITLE V: Developing Hispanic Serving Institutions (DHSI) Program



**Funded by the U.S. Department of Education**

# What is a Hispanic Serving Institution (HSI)?

Federally defined in Title V of the Higher Education Act as accredited and degree-granting public or private not-for-profit institutions of higher education with **25% or more** undergraduate Hispanic full-time equivalent (FTE) enrollment.



# *El Mapa Matemático/* **Math Map**

- Guides students over the biggest hurdle to degree completion—college-level math courses-- by integrating the College's effort at four milestones in the student's journey: placement, support, instruction, and pre-graduation.
- *Mapa* innovates by navigating students from the base of accurate math course enrollment to the summit of graduation



# *El Mapa Matemático / Math Map* Program Staff



## MAPA Math Navigators:

### **Brandon Chavez (North Las Vegas Campus)**

Brandon was born and raised in the San Diego, CA area. He began his education in community college and later transferred to San Diego State University and received a BA in English. He then attended Point Loma Nazarene University and graduated with an MA in Education: College Counseling & Student Development. While attending college, he had the opportunity to be a participant of grant funded mentoring programs. Brandon has experience working with underrepresented students at non-profits, TRIO-SSS, and most recently as an Academic Advisor at the College of Southern Nevada. In his free time, he enjoys hiking and traveling.

## MAPA Director:

### **Dr. Janna Bernstein**



Born and raised in the suburbs of Los Angeles to a family of educators, Dr. Janna M. Bernstein, had an innate passion to pursue a career in Education. She completed her Bachelor's degree in Psychology from the University of Southern California (USC) and received a Masters in Postsecondary Administration and Student Affairs from USC's Rossier School of Education. She received her Ph.D. in Curriculum and Instruction with an emphasis in Cultural Studies, International Education, and Multicultural Education from the University of Nevada, Las Vegas. Dr. Janna is a scholar practitioner always encouraging individuals to question and think critically about their positionality and goals in life. She is passionate about helping students in all facets of their lives and supporting their basic needs both personal and educational. Her work experience includes academic advising, residential education, scholar development, student leadership, career advising, student activities, grant management, non-profit organization collaboration, teaching, and creating culturally relevant pedagogy. In her spare time, Dr. Janna enjoys spending time with family and friends and her two energetic rescue puppies, exploring the hidden treasures of cities, visiting college campuses, attending live concerts and plays, and arts and crafts.

### **Liridian Gamboa Sanchez (West Charleston Campus)**

Liridian Gamboa Sanchez was born and raised in the Biggest Little City - Reno, Nevada to parents from Veracruz, Mexico. She is a proud first-generation college graduate! Liridian completed her Bachelor's degrees in Social Work and Spanish from the University of Nevada, Reno and received a Master's in Social Work with an emphasis in Management and Community Practice from the University of Nevada, Las Vegas. She formed part of the Dean's Future Scholars (DFS) Program and the Trio Scholars Program, both support programs for first-generation college students. Liridian noticed the importance of these support programs and returned as a mentor for the DFS program during her undergraduate career. For the past years Liridian has worked diligently at the community level analyzing and advocating for current first-gen programs throughout the State of Nevada and also worked directly with first-generation college students in sharing her personal experience navigating the educational system and serving as guidance for future college students. Liridian has experience working with non-profit organizations, near-peer mentoring, program management, and grant development. In her free time, she enjoys spending time with her golden retriever Benito, spending time with family and friends, and exploring new coffee shops.

### **Carcila Gumabon (Henderson Campus)**



Carcila moved to Las Vegas in 2006 from the U.S. territory of Guam to pursue graduate school at the University of Nevada, Las Vegas (UNLV). She obtained her Master's degree in Mathematics with Teaching Math concentration in 2008, and from 2009-2017, she was a part-time instructor for the Math Department and Math Learning Center at UNLV. During that time, from 2009-2011, she was also adjunct faculty at CSN. Carcila joined CSN full-time in 2016 as Specialist for Centers for Academic Success (CAS) Math Resource Center at the Henderson Campus and moved to the Charleston Campus in 2019 until August 2022. Carcila joined Title V in September 2022 as the Coordinator/Title V Navigator at the Henderson Campus. She enjoys connecting with students and helping them succeed in math. Outside of work she enjoys hiking with her dogs, reading, and painting.



# *El Mapa Matemático/Math Map Staff and Faculty*

## MAPA Math Faculty Leads:



### **Dr. Katlyn Cox**

Katlyn K. Cox, Ph.D., works as an instructor at College of Southern Nevada as an instructor in the Mathematics Department. Her research focuses on mathematics instruction at the post-secondary level, with specific interest in how instructors' beliefs impact their classroom practices. The aim of this research is to understand why instructors choose to apply certain teaching practices in classrooms at a collegiate level and how these college instructors might be supported and encouraged to implement research-based and student-centered teaching practices.



### **Assia Wade**

Assia Wade has both a Master's degree in Mathematics and a Bachelor's Degree in Civil Engineering from the University of Nevada, Las Vegas. She always enjoyed math and science, not because it came easy, but because it challenged her. She loves the feeling of accomplishment when she gets something right. She likes knowing how things work, and math and science has lots of details to really think about and discover. She's been teaching full time at CSN since Fall of 2019. A fun fact is that she worked as a transmission engineer for NV Energy for 12 years, is a mother of 3 boys and 2 dogs, and loves to spend time with family and enjoys staying active.

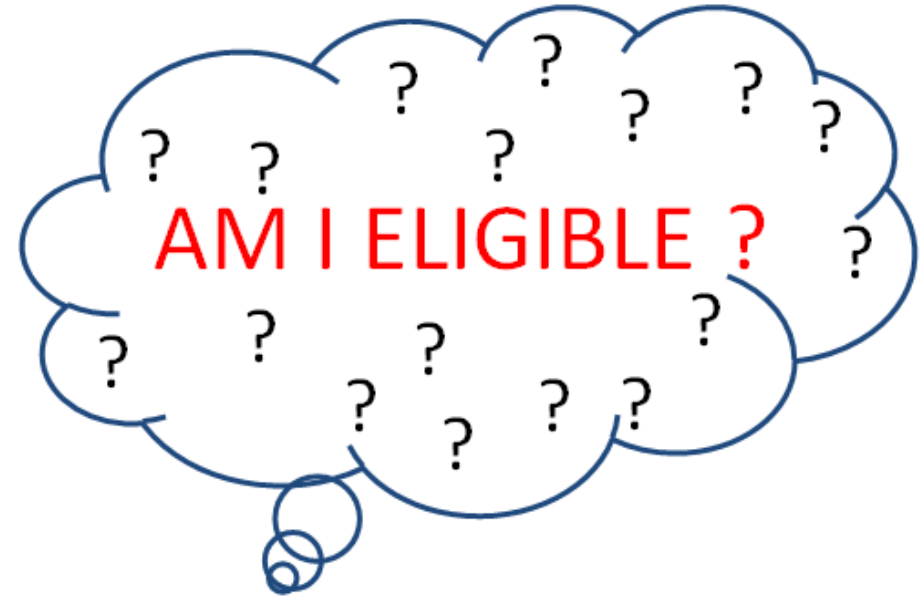


### **Asha Chavoya**

Asha always enjoyed math even though it was not always easy for her. To clarify her career goals, Asha applied to different internships after college such as "Preparing Undergraduates through Mentoring towards PhDs" (PUMP), Research Experience for Undergraduates (REU), and worked as a Supplemental Instruction Leader (SI Leader). Each of Asha's internships allowed her to see that she loved math and trying to figure things out- everything was like a fun puzzle. Asha is hopeful and passionate of wanting to enhance the math class experience here at CSN. Asha loves spending time with her husband and their two dogs. She also loves to knit, crochet, and continuing to learn Spanish and Portuguese.

# Student Eligibility Criteria - expanded

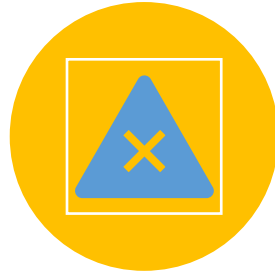
- Self-identify as Hispanic/Latinx
- Undocumented/DACA students
- Eligible for the Pell grant (low income)
- First generation
- Single parents
- Students with disabilities
- Educationally disadvantaged students including
  - those that are economically disadvantaged
  - limited English proficient students
  - students experiencing homelessness
  - students experiencing food insecurity
  - former foster youth/foster alumni
  - justice impacted students
- Displaced homemakers
- Veterans
- Individuals interested in nontraditional occupations for their gender



# *WHAT WE OFFER*



WRAP-AROUND  
SERVICES



ONE-ON-ONE  
COACHING



CAREER  
EXPLORATION



CAMPUS AND  
COMMUNITY  
REFERRALS



SPECIALIZED HELP  
FROM MATH AIDES



WORKSHOPS ON FINANCIAL  
LITERACY AND SELF-CARE



EXPERIENCED AND  
DEDICATED MATH  
PROFESSORS

# El Mapa by the Numbers

## Spring 2022

7 courses ~ 125 students

## Fall 2022

8 courses ~ 175 students

## Spring 2023

8 courses ~ 200 students

## Summer/Fall 2023

14 courses ~ 350 students

## Spring 2024

11 courses ~ 275 students

## Fall 2024 (anticipated)

18 courses ~ 450 students



# MAPA Experience (Mentoring, Application, Practicum, Aprendizaje- learning)

Matches made within Criminal Justice,  
Business (5), Physics, Information  
Technology (2), Cybersecurity, Non-  
Profit Management, Psychology &  
Cannabis Industry!

*Always looking for mentors!*

*Please let us know if you are interested*



College of  
Southern Nevada  
*Investing in Our Future. Students First.*

Title V  
El Mapa Matemático

Join the  
**MAPA Experience!**

The **MAPA Experience** offers Mentorship, Application, Practicum, and Aprendizaje (learning) opportunities for El Mapa students interested in working with a professor or industry professional on a creative/scholarly project in the STEAM (Science, Technology, Engineering, Art, and Math) area!

#### ELIGIBILITY REQUIREMENTS

- Must be enrolled or previously enrolled in El Mapa Matemático course passing with a C or better
- Minimum 3.0 overall GPA
- Able to commit for 6 weeks for a total of 20-25 hours

#### APPLY NOW!

- <https://bit.ly/MAPAExperienceFA23>

#### BENEFITS

- \$300 Stipend
- Grow your network!
- Develop your resume!

#### LEARN MORE!

- Email [Mathmap@csn.edu](mailto:Mathmap@csn.edu)
- Call 702-651-5441

CSN.EDU

CSN IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION INSTITUTION. FOR MORE INFORMATION, VISIT [WWW.CSN.EDU/NONDISCRIMINATION](http://WWW.CSN.EDU/NONDISCRIMINATION).

# Student Highlights

Geovany Cruz Tejeda



- Attended Summer 2023 University of Nevada, Reno Microbiome Research Internship after being mentored by CSN Biology professor through MAPA Experience
- Pursuing career in Veterinary Medicine

Jessica Solorzano



- Completed MAPA experience with CSN Psychology professor
- Served as Math Aide, mother to 4-year-old
- Served as Student Delegate to Hispanic Association of Colleges and Universities (HACU) conference in addition to being invited to represent First Generation college students in Washington, D.C. at briefing

Alan George Cobos



- Received 2022-2023 Outstanding Student Award from the Math Department
- Completed MAPA Experience with CSN Informational Technology professor
- Served as Math Aide in addition to helping the Math department with another grant





## Math Aides Embedded Tutors

- Hired largest cohort of students this Spring 2024- 17 students!
  - **PIPELINE: 5** of our Mapa students have become Math Aides
- Student requirements:
  - Successfully completed MATH 120E, 124E, and/or 126E
  - Bilingual or experience working with diverse populations
  - Minimum 3.0 GPA
  - Tutor and lead/facilitate professional development workshops
  - Need to be a current NSHE student
- Pay: \$14/hour

# Culminating Event: La Cumbre Math Summit

Brought Mapa students, faculty, community partners and industry professionals together to showcase coursework, network, and learn more about opportunities available!



# Questions?

