



## 2019-2020 School Profile

### OVERVIEW

Alliance Marc and Eva Stern Math and Science School, locally known as Stern MASS, was founded in 2006 through a collaboration between Alliance College-Ready Public Schools and California State University, Los Angeles. Our mission is to support, empower and educate traditionally underserved scholars by providing a well-rounded, academically rigorous STEM and college preparatory education. At Stern MASS, we strive to ensure that each scholar develops resilient character and the strong critical thinking and collaborative skills necessary to become socially responsible, globally minded citizens who are an integral part of their local, national and international communities. Our educational model is based on key elements including a culture of high expectations for all scholars, small and personalized learning communities, an extended school day and year, a team of highly qualified teachers and school leaders, and parents as partners in the success of our scholars.



California Distinguished School 2019



California Gold Ribbon School 2017



Title I Academic Achievement 2017



Best High School Rankings 2019  
#28 Los Angeles Metro Area  
#78 California High School  
#114 National Charter School  
#556 National High School Ranking

### ALLIANCE COLLEGE-READY PUBLIC SCHOOLS

Stern MASS is part of Alliance College-Ready Public Schools (Alliance), the largest nonprofit charter organization in Los Angeles. Alliance serves over 13,000 scholars across 25 free, public charter schools across Los Angeles County. Alliance’s mission is to open and operate a network of small, high-performing high schools and middle schools in historically underserved communities that demonstrate scholar academic achievement growth, and graduate scholars ready for success in college regardless of their background or zip code.

### COMMUNITY

Stern MASS is located on the campus of California State University, Los Angeles and primarily serves the surrounding community of East Los Angeles, including City Terrace, Boyle Heights, Lincoln Heights, El Sereno and other neighboring areas. The 2015 U.S. Census shows this community to have low levels of education (usually high school or equivalent only), a median annual income of \$15,000 per household and low rates of home ownership.

### 2018-2019 STUDENT BODY

- **591** Students: **144** in the Class of 2020, **145** in the Class of 2021, **146** in the Class of 2022, **156** in the Class of 2023
- **95%** Hispanic/Latino, **2%** White, **2%** Asian/Pacific Islander, **1%** African American
- **86%** of students qualify for free/reduced meals
- **53%** male, **47%** female

### ACCREDITATION AND CHARTER AUTHORIZATION

- Accredited by the Accrediting Commission for Schools--Western Association of Schools and Colleges
- Charter authorized by Los Angeles Unified School District

# Alliance Marc and Eva Stern Math and Science School

## AP TESTING - 2019

- 11 AP courses offered in 2018-19
- 435 exams were administered

## AP EXAM SCORES 3+ BY SUBJECT

Subject	2018	2019
Biology	8%	41%
Calculus AB	47%	39%
Calculus BC	90%	100%
English Language & Composition	43%	43%
English Literature & Composition	36%	43%
Environmental Science	30%	58%
European History	53%	63%
Spanish Language & Culture	88%	87%
Spanish Literature & Culture	64%	83%
US Government & Politics	27%	68%
US History	79%	57%

## ADVANCED PLACEMENT SCHOLARS

Award Recognition	2018	2019
National AP Scholar	2	2
AP Scholar with Distinction	8	17
AP Scholar with Honors	5	7
AP Scholar	30	35

## SAT RESULTS

Average Cohort Scores	2018	2019
Evidence Based Reading and Writing Average	530	509
Math Average	510	510

## ACT RESULTS

Average Cohort Scores	2018	2019
English Average	18.2	
Math Average	19.2	
Reading Average	20	
Science Average	20.3	
STEM	19.8	

## CAASPP SCORES - 2018

Average Cohort Scores	2018	2019
ELA Exceeded/Met	80%	84%
Math Exceeded/Met	40%	53%

## CURRICULUM

All Stern MASS scholars take the required A-G course requirements needed to successfully apply to any University of California or California State University. In addition to a rigorous academic schedule, all scholars participate in a STEM Exhibition Night, a yearlong culminating project in math and science that answers a large and driving philosophical dilemma and encourages students to see the relationships between concepts and ideas. These projects adhere to Common Core State Standards and Next Generation Science Standards, and integrate mastery learning, standards-based grading, academic content, collaboration, inquiry learning and technology. Stern MASS scholars are given the opportunity to enroll in college courses at California State University, Los Angeles and East Los Angeles College.

## GRADING

In alignment with University of California and California State University undergraduate admissions requirements, Alliance schools do not grant "D" letter grades. A grade below a "C" is considered Not Proficient or "NP" and will not satisfy graduation requirements. Scholars earning an "NP" for any required course must repeat the course to earn a grade of "C" or higher.

The average weighted GPA for the Stern MASS Class of 2018 was 3.0.

**A** 3.40-4.00   **B** 2.70-3.39   **C** 2.00-2.69   **NP** 0.00-1.99

- Pluses and minuses do not affect GPA
- Honors/AP classes receive an extra point for Cs and above in calculating the weighted GPA
- All academic courses earned during the regular school day throughout the school year are counted on the transcripts with no exception

## ACADEMIC GRADUATION REQUIREMENTS

A – History	30 credits	<i>Each semester course is 5 credits.</i>
B – English	40 credits	<i>230 credits minimum required for graduation.</i>
C – Mathematics	30 credits	
D – Science	30 credits	<i>Total minimum A-G credits required is 160.</i>
E – Foreign Language	20 credits	
F – Visual/Perform Arts	10 credits	
G – Electives	30 credits	

## COLLEGE COUNSELING

Counselors work closely with individual scholars based on their career interests, GPA, SAT/ACT scores, intended college major, and individual traits to match them with colleges and universities that can best support their post-secondary success. Workshops and individual guidance and support are provided to scholars and parents throughout the college application and financial aid process. All students who are on track to graduate are required to submit a minimum number of college applications.

# Alliance Marc and Eva Stern Math and Science School

## ADVANCED PLACEMENT AND HONORS COURSES

AP Biology  
AP Calculus AB  
AP Calculus BC  
AP English Language & Composition  
AP English Literature & Composition

AP Environmental Science  
AP European History  
AP US Government and Politics  
AP Spanish Language and Culture  
AP Spanish Literature and Culture

AP United States History  
CC English Honors 10  
CC Integrated Math 3 Honors  
Chemistry Honors

## EXTRACURRICULAR ACTIVITIES

Academic Decathlon  
Anime Club  
Associated Student Body (ASB)  
CIF Basketball – Boys and Girls  
CIF Cheerleading – Boys and Girls  
CIF Cross Country – Boys and Girls  
CIF Soccer – Boys and Girls  
CIF Volleyball – Boys and Girls  
Drill Team

Engineering Club  
Gay-Straight Alliance Social Justice  
Guitar Club  
Junior States of America  
Key (Kiwanis) Club  
Music Club  
National Honors Society  
Random Acts of Kindness  
Science Club

Social Justice Club  
Sociedad Honoraria Hispanica  
Speech and Debate  
Students Run LA  
The Bolt  
TitanMUN  
Yearbook

## COLLEGES AND UNIVERSITIES – CLASS OF 2019 ACCEPTANCES

Amherst College  
Arizona State University  
Azusa Pacific University  
Boston University  
Bowdoin College  
California Baptist University  
California Lutheran University  
California Polytechnic State University, San Luis Obispo  
California State Polytechnic University, Pomona  
California State University, Bakersfield  
California State University, Channel Islands  
California State University, Chico  
California State University, Dominguez Hills  
California State University, East Bay  
California State University, Fresno  
California State University, Fullerton  
California State University, Long Beach  
California State University, Los Angeles  
California State University, Maritime Academy  
California State University, Monterey Bay  
California State University, Northridge  
California State University, Sacramento  
California State University, San Marcos  
Centre College

Cerritos College  
Claremont McKenna College  
Colorado State University  
Dickinson College  
Dixie State University  
East Los Angeles College  
Fullerton College  
Glendale Community College  
Gnomon School of Visual Effects  
Grand Canyon University  
Harvard College  
Harvey Mudd College  
Humboldt State University  
Los Angeles City College  
Los Angeles Mission College  
Los Angeles Trade-Technical College  
Loyola Marymount University  
Middlebury College  
Mills College  
Mount Holyoke College  
Mount Saint Mary's University, Los Angeles  
Mt. San Antonio College  
Pasadena City College  
Pepperdine University

Princeton University  
Regis University  
Rio Hondo College  
Saint Mary's College of California  
San Francisco State University  
San Jose State University  
Simmons University  
Stanford University  
University of California, Berkeley  
University of California, Davis  
University of California, Irvine  
University of California, Los Angeles  
University of California, Merced  
University of California, Riverside  
University of California, San Diego  
University of California, Santa Barbara  
University of California, Santa Cruz  
University of La Verne  
University of Oregon  
University of Pennsylvania  
University of the Pacific  
Whittier College

## SCHOOL CONTACT INFORMATION

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**Erik Burruss**, Assistant Principal  
**Veronica Elias**, Assistant Principal  
**Nicole Guillen**, Assistant Principal  
**Brendan Vitt**, Assistant Principal  
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**Nancy Cuadra**, Counselor  
**Tatiana Diaz**, Counselor  
**Erica Meza**, Counselor

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