

28 July 2020

Presenters



Jeff Leonard, COI Chair



Liza Grudin, COI Vice-Chair for Strategic Alliances

Agenda

Opening/Welcome

Strategic Partner Profile – ACE Mentor Program

Best Practice Virtual Outreach Discussion

K-12 STEM Outreach Annual Work Plan/Call for volunteers

Post STEM programming Reports

Discussion of TME STEM Corner Ideas

Items to consider for the next call

Open Forum - Needs of Posts

Opening Remarks

1. Welcome everyone
2. Thank you to ACE Mentor Program for participating
3. RVP Discussion
4. COVID - 19

STEM Partner Profile

Diana Eidschink

President

deidschink@acementor.org



ACE MENTOR PROGRAM

ARCHITECTURE • CONSTRUCTION • ENGINEERING

MISSION

To ENGAGE, EXCITE and SUPPORT high school students through mentoring and internships to pursue a career in architecture, engineering and construction.

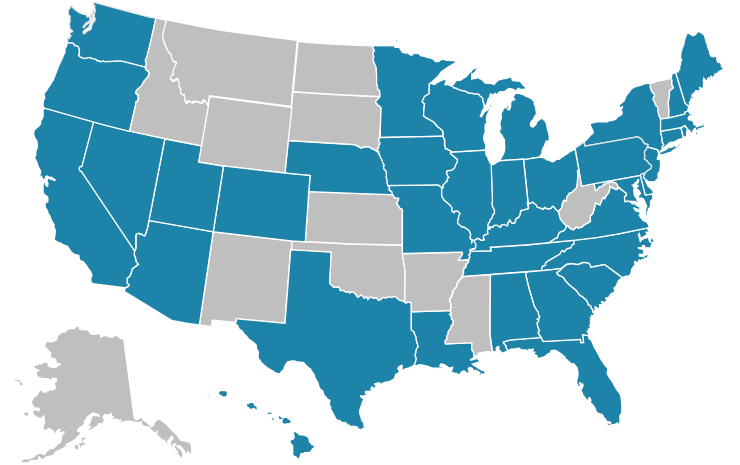
ACE's primary goals are to:

- Create a **diverse, better** prepared workforce for our industry
- Assist and guide students as they proceed along their pathways to opportunities related to our industry



STATISTICAL PROFILE

- ACE currently operates in **77 affiliates** covering 36 states, the District of Columbia, Puerto Rico and in more than 200 cities.
- Over **10,000 students** and about **4,100 mentors** each year.
- ACE has awarded more than **\$20 million in scholarships** to students.
- **92% of ACE graduates enroll in higher education** and two-thirds enter majors linked to the design and construction industry.
- Students come from over **1,100 high schools** and 2/3 come from underserved or minority communities.
- Almost **70% of students are minorities** and **one-third are young women**.



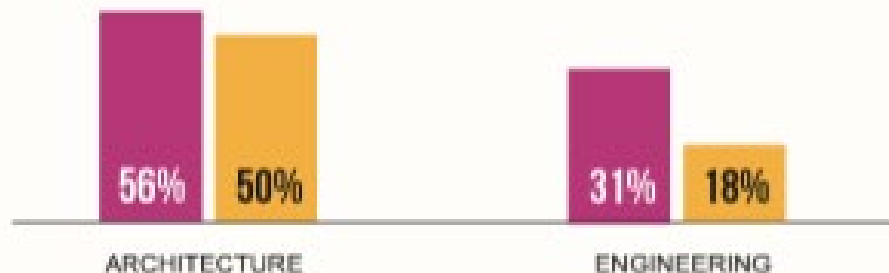
In terms of gender and race, ACE college freshmen planning majors in architecture and engineering are **more diverse** than their counterparts nationwide, in some cases by almost double.



WOMEN COLLEGE FRESHMEN

(%) Planning Architecture & Engineering Majors

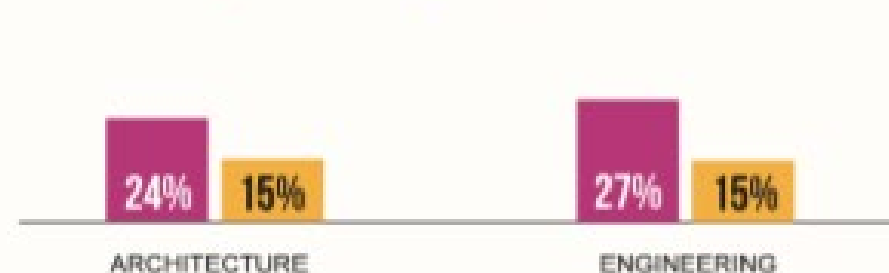
■ ACE 2019¹ vs. ■ Nationwide 2018⁴



AFRICAN AMERICAN + HISPANIC COLLEGE FRESHMEN

(%) Planning Architecture & Engineering Majors

■ ACE 2019¹ vs. ■ Nationwide 2018⁴



DATA SOURCES

1. ACE Database of Registered Students
2. U.S. Department of Education, National Center for Education Statistics. *Digest of Education Statistics, 2017*, Table 203.50.
3. ACE 2019 Survey of Students (n= 2,609, margin of error +/- 1.8%).
4. Higher Education Research Institute, UCLA, 2018 CIRP Freshman Survey. This survey is based on responses from 126,068 first-time, full-time students beginning their studies at 202 four-year colleges and universities of varying selectivity and type in the U.S. The data was statistically weighted to reflect all first-time, full-time baccalaureate students in the U.S. In

MENTOR BENEFITS

01

GRATIFICATION

The gratification that comes with sharing knowledge and wisdom with students.

02

NETWORKING

A variety of networking opportunities with other professionals in the local design and construction community.

03

BETTER SKILLS

The program helps you develop a variety of skills, such as leadership, teamwork, and communicating technical concepts to lay audience.

04

PROFESSIONAL DEVELOPMENT

The program may help satisfy requirements associated with professional licensure.

Virtual STEM Camp at USNA

**SAME Announces First Virtual STEM Camp
In Collaboration with the US Naval Academy
Made Possible by a Network of Sponsoring Posts
July 27-31st**

This virtual camp experience is being offered FREE of charge to all the campers that were part of our Engineering & Construction camp selection process thanks to the generous support of the following SAME Posts:

Albuquerque	Cincinnati	Kentuckiana	Omaha	Sacramento
Anchorage	DelMarVa	Kittyhawk	Orange County	San Diego
Arkansas	Denver	Lake Michigan	Oxnard	San Francisco
Atlanta	Emerald Coast	Mobile	Panama City	Scott Field
Baltimore	Ft. Leonard Wood	Narragansett Bay	Philadelphia	Seattle
Big Sky	Great Basin	Nashville	Pikes Peak	St. Louis
Cape Fear	Hampton Roads	New York Capital District	Pittsburg	Tampa Bay
Central VA	Huntington	Norther Virginia	Robins AFB	Vicksburg
Chicago	Huntsville	New York City	Rock Island	Washington, DC

Updates to the K-12 STEM Outreach COI Work Plan

1. Fill out K-12 STEM Outreach Leadership Team
2. Update Webpage/SharePoint sight
3. Hold Monthly telecons
4. Feature one of our Strategic Alliances on the Monthly COI Telecon
5. Increase the number of Posts who have identified a STEM POC
6. Update our charter to include language/verbiage to align with the new 5-Year Strategic Plan

K-12 STEM Virtual Outreach Discussion

1. Open forum discussion of ideas of virtual outreach
2. Are your K-12 schools going virtual this fall? Or are they in session, but limiting guest appearances
3. Platforms
4. Projects
5. Presentations

K-12 STEM Outreach Post Programs Report

1. What has your Post been up to . . . ?

TME STEM Corner Article Ideas

Goal is to provide a K-12 STEM Outreach message to the membership:

- STEM Activities
- Partnerships
- Resources
- Best Practices
- Opportunities

Next STEM Corner article will feature the Virtual STEM Camp.

Items to consider for the next call

1. What to Feature?
2. Leadership Team does not have to present.
3. We are always looking for someone to present their Post's Best Practice for the good of the COI. It could be how to organize an event, how to do an activity, how to make contact with other STEM organization or anything your Post does that you wish to share with entire COI.

Open Forum - Needs of Posts

1. Anything that we have not yet discussed



K-12 STEM Outreach COI Webinar/Telecon

In closing . . .