OVERVIEW

AFFILIATES

- More than half of affiliates (57%) have operated 10 or more years. Ten affiliates are 5-years-old or less.
- Average affiliate enrolled 148 students (total) & 107 (completed).

STUDENTS

- **9,767 STUDENTS ENROLLED**
  7% growth from 2016/17 & 12% growth from 2015/16.
- **% STUDENTS COMPLETING PROGRAM**
  72% (2018), 75% (2017), 67% (2016)
- Students drawn from 1,187 high schools, up 10% from previous year.

MINORITY OR MULTI-RACIAL/ETHNIC

- ACE 71%
- U.S. 58% (secondary students, 2018)

GENDER

- 66% MALE | 34% FEMALE

MENTORS

- **3,791 MENTORS AND TEAM LEADERS**, an increase of 12% over previous year.
- **$17.9 MILLION**, estimated annual value of mentors’ contributed services

COLLEGE

- **95% OF ACE SENIORS** directly entered college or skilled trades program. Nationally, 70% of high school seniors entered college (2016).
- **LOW DROP-OUT RATE: 79% OF ALUMNI** (class of 2017) who are rising sophomores in college will continue their A-E-C majors.
- **88% OF 2017 ALUMNI** agree their ACE experience gave them an edge over their college peers.

- **TWO-THIRDS OF ACE SENIORS** enter college planning to study industry-related majors.
  - 45%, A-E-C industry-related engineering (e.g., civil, mechanical)
  - 24%, Design-related majors (e.g., architecture, landscape architecture, interior design)
  - 3%, Construction management
  - 14%, Other engineering (e.g., chemical)
  - 14%, Other than A-E-C (e.g., business, liberal arts)
**COLLEGE SCHOLARSHIPS**

**RECORD $2 MILLION AWARDED TO 908 STUDENTS.**
$17.5 million awarded since ACE’s start.

**60% OF 2017 ALUMNI SCHOLARSHIP RECIPIENTS**
report scholarship helped “a lot.”

**INTERNSHIPS**

**17% OF 2017 ALUMNI** report having an internship in the design and construction industry as an ACE student.

**74% OF AFFILIATES** report they directly or indirectly help students and/or alumni obtain internships.

- 14 affiliates actively try to arrange internships.
- 2 affiliates run organized internship programs.

**SKILLED TRADES**

**65% OF STUDENTS REPORT** ACE gave them hands-on introduction to one or more skilled trades.

**AFFILIATES INTRODUCE TRADES** to students in a variety of ways:

- 52% give students an opportunity to build or construct something.
- 43% have trades professionals serving as mentors.
- 34% take field trips to apprentice facilities.

- 26% have special trades events supplementing regular ACE program.
- 11% have one or more teams that primarily focus on trades.

**IMPACT**

**ACE AS ACADEMIC MOTIVATOR IN HIGH SCHOOL**

**88% OF STUDENTS** report feeling more motivated to go to college.

**84%** say their ACE experience made their high studies more meaningful.

**77%** felt more motivated in study in high school as a result of ACE.

**SKILLS LEARNED** (% students agreeing)

**TECHNICAL SKILLS AND KNOWLEDGE**

- Sustainable design, 92%
- Project scheduling, 87%
- MEP infrastructure, 86%
- Basic engineering principles, 84%
- Computer-aided design, 79%

**WORK AND LIFE SKILLS**

- Teamwork, 95%
- Leadership, 92%
- Problem solving, 92%
- Oral and graphic communication, 91%
- Time management, 85%

Data Sources: 1) 2018 Affiliate Program Report, completed by all 66 active affiliates. 2) 2018 Student Survey, n = 8,662, 36.6% response rate, +/- 1.4% margin of error, 95% confidence level. 3) 2018 Survey of ACE Alumni from Class of 2017, n =1,877, 24.2% response rate, +/- 4% margin of error, 95% confidence level. 4) U.S. Department of Education, National Center for Education Statistics. 5) ACE Database