

NAF

BE FUTURE
READY

ACADEMY OF ENGINEERING



91K

new jobs by 2031*



\$80K

median annual wage*

NAF APPROACH

NAF's design focuses on connecting the classroom to the workplace by integrating career-focused curricula and authentic learning projects into the traditional high school experience and offering real-world application opportunities. With a rigorous program of study and a progressive continuum of activities designed to build career awareness, exploration, and preparation, students gain the skills and knowledge needed to make informed choices and be successful in their future careers.

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#BEFUTUREREADY

INDUSTRY NEED

Employment in engineering occupations is projected to grow 4 percent from 2021 to 2031, about as fast as the average for all occupations, adding about 91,300 new jobs. Most anticipated job growth will be in infrastructure development, renewable energy, oil and gas extraction, and robotics. People of color and women are underrepresented in all engineering fields.

CURRICULUM

NAF's **Future Ready Learning** hosts a wide array of instructional content vetted by industry experts, post-secondary instructors, and professional organizations. NAF endorses engineering curricula by Project Lead the Way (PLTW), STEM 101, Paxton/Patterson, and Intelitek. The **Academy of Engineering** curriculum includes:

- Authentic learning projects that address real-world issues in partnership with career experts, including **Engineering Expeditions**, **Tech Expeditions**, and **National Engineers Week** challenges
- On-demand resources from national institutions such as Code.org and Prologis Essential partners supporting NAF's Academy of Engineering curriculum include PLTW, Code.org, CYBER.org, Raytheon Technologies, DiscoverE (Discover Engineering), Grow with Google, Verizon, and the Society of Hispanic Professional Engineers (SHPE).

PARTNERSHIPS

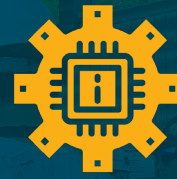
Industry professionals play a significant role in helping students see the connections between high school and the world of work. NAF collaborates with major corporations, post-secondary institutions, and local companies to provide career readiness and work-based learning experiences throughout the academy experience. Students connect directly with engineering professionals to learn first-hand about careers in this industry and determine how their strengths and interests might be a good fit. Adults serve as role models and guides to students, helping them develop the skills they will need to thrive in their future careers, navigate pathways to get there, and help them start building their professional network to open doors of opportunity. Businesses that collaborate with NAF academies play an active and integral role in shaping the future workforce and building their own local talent.

*The Bureau of Labor Statistics

ACADEMY OF ENGINEERING

DATA AT A GLANCE

16,291
STUDENTS



90
ACADEMIES

17
STATES

42
DISTRICTS

NAF PREPARES STUDENTS TO #BEFUTUREREADY

69%

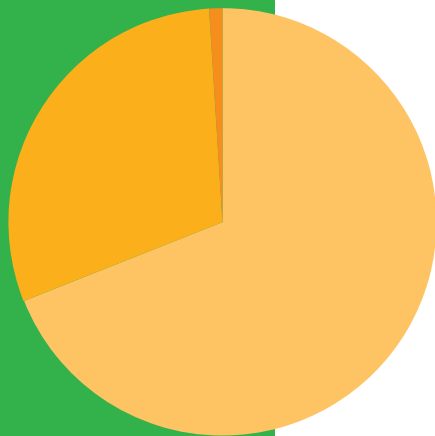
MALE

30%

FEMALE

1%

GENDER NON-CONFORMING
OR UNKNOWN



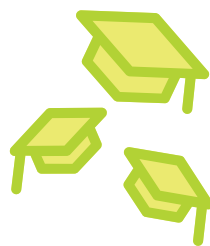
74%

ELIGIBLE FOR FREE/
REDUCED PRICE LUNCH



31%

ENGLISH LANGUAGE
LEARNERS



99%

OF SENIORS GRADUATED



34%

SENIORS WITH
INTERNSHIPS



88%

PLAN TO GO
TO COLLEGE



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