INDUSTRY NEED
Opportunities in computer and information technology are projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations. As the industry evolves, there will be a greater focus on filling positions in cloud computing, the collection and storage of big data, and information security.

Because of this exponential growth, there is an urgent need to address the skills gap, as not enough college graduates are filling open jobs and traditional education isn’t able to keep up with this fast-paced industry. In addition, both ethnic and gender diversity are sorely lacking in the industry beginning at the college level.

CURRICULUM
Information technology curriculum covers computer networking, systems, database design, digital video production, graphic design, web design, and programming. In addition, Juniper Networks offers a program of study, that will qualify students for its professional training program and to earn a Juniper certificate. Academies may use curriculum from Project Lead the Way, Inc. (PLTW) and select courses from Cisco. In addition, NAF approves programs of study that align with NAF’s certification standards, enabling local school districts to meet the needs of their community, as well as district and state requirements.

NAF APPROACH
NAF’s educational design is focused on making connections between the classroom and the workplace by integrating career-focused curricula and projects into the traditional high school experience, coupled with opportunities for real-world application. Through a series of coursework, together with a progressive continuum of activities designed to build awareness, enable exploration, and finally prepare students for future studies and career paths, NAF students gain the skills and knowledge needed to make informed choices and be successful in their future careers.

PARTNERSHIPS
NAF works with both major corporations and local companies to ensure curriculum is current and relevant and to provide practical experience to students through a series of work-based learning activities. These activities enable students to connect directly with professionals in IT to learn first-hand about the industry, the skills needed to succeed, the expectations, and more. Business professionals serve as role models and mentors to students, guiding them to grow their business acumen, as well as technical knowledge. Businesses that work with NAF academies play an active and integral role in shaping the future workforce and building a talent pipeline that will one day soon be eligible to fill roles within their companies.

*The Bureau of Labor Statistics
ACADEMY OF INFORMATION TECHNOLOGY

2018-2019

29,609 STUDENTS

116 ACADEMIES

19 STATES

55 DISTRICTS

highest concentration of academies

Florida 42
California 11
New York 10
North Carolina 9
Texas 9

highest concentration of academies

16 Miami-Dade
11 Orange County
9 Dallas
7 New York City
6 Collier County

1,045 ADVISORY BOARD MEMBERS

NAF STUDENTS

64% MALE

36% FEMALE

86% of students are females and/or ethnic minorities

40% Hispanic/Latino

28% Black/African American

20% White

6% Asian

2% Other/Multi-racial

2% Unknown

1% Native American/Alaska Native

<1% Pacific Islander

73% Low-Income Students based on eligibility for free & reduced price lunch

17% English Language Learners

OUTCOMES

99% of seniors graduated

91% college-bound graduates

18% seniors who had an internship

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