

Certifying College and Career Readiness

Mike Henson

Director, District Engagement

National Academy Foundation



Agenda

- NAF Overview
- College and Career Readiness
- Levels of Certification
 - District Readiness and Planning
 - Academy Quality and Certification
 - Student Certification and Assessment System
- Discussion

The National Academy Foundation Model



NAF's Added Value

- 30 years of successful outcomes for students
- National network of theme-based career academies
- Site-based and systemic district reform strategies
- Nationally certified curriculum and internship assessments
- Work-based learning model and supports
- Commitment to college *and* career readiness
- Partnerships with Fortune 500 companies

National Academy Foundation Dimensions of College and Career Readiness

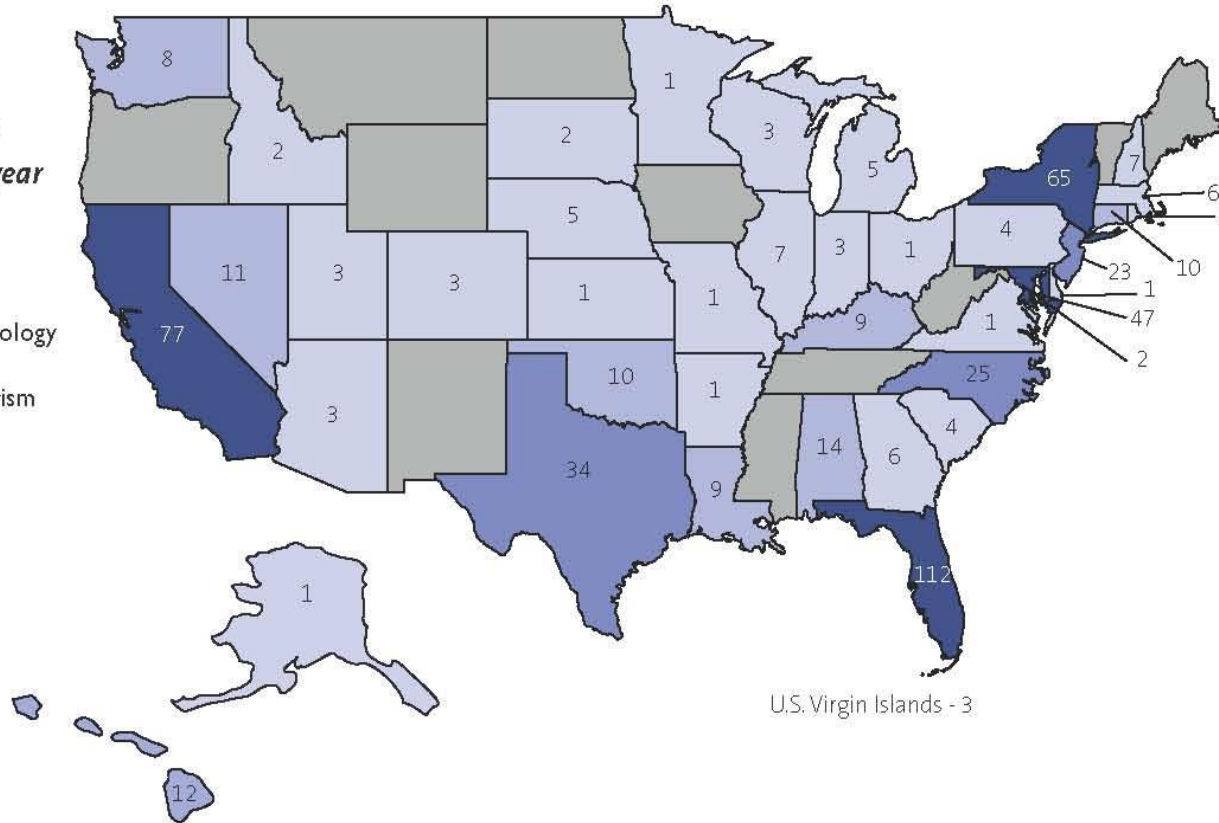


NAF Data and Student Outcomes

546 academies

+10% from last year

- 41% Finance
- 19% Information Technology
- 16% Engineering
- 15% Hospitality & Tourism
- 7% Health Sciences



39

DC and the US Virgin Islands

highest concentration of academies

- 112 Florida
- 77 California
- 65 New York
- 47 Maryland
- 34 Texas

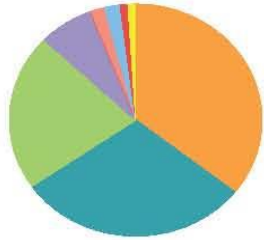
178 districts

highest concentration of academies

- 51 Miami-Dade
- 35 New York City
- 22 Dallas
- 20 Broward County
- 15 Prince George's County

NAF Data and Student Outcomes

STUDENTS



62,045 students
+26% over two years

⋮
36% Hispanic/Latino
30% Black/African American
22% White
7% Asian
2% Other/Multi-Racial
2% Unreported
1% Pacific Islander
1% Native American/Alaska Native

62% of students qualify for free and reduced price lunch

12% are English Language Learners

OUTCOMES



97%
of seniors graduated



84%
of graduates plan to go to college

⋮
55% plan to attend a 4-year college
27% plan to attend a 2-year college
2% plan to attend college part-time
6% plan to work full-time

ADVISORY BOARD MEMBERS

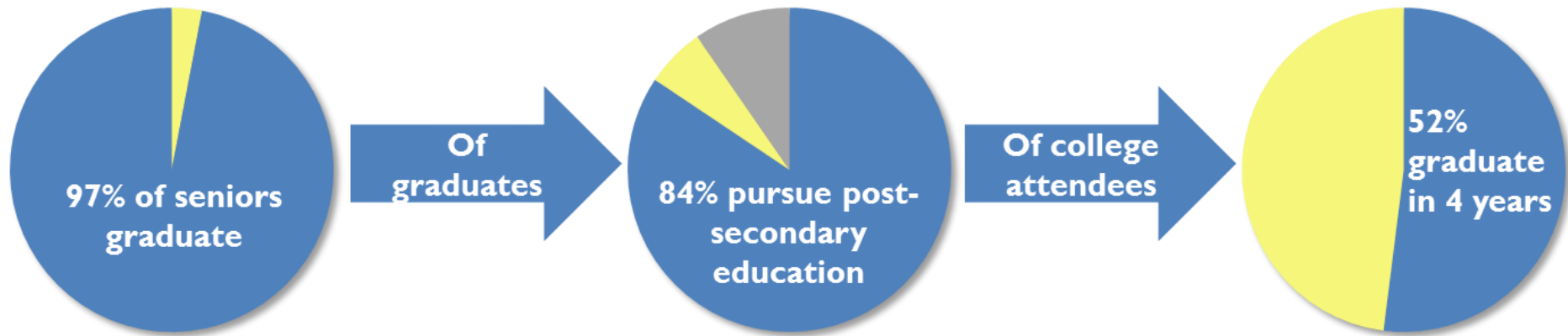
4,633 advisory board members

INTERNSHIPS

4,654 internships (2011-2012)

Growing strong academies in helps improve student outcomes

- NAF students perform better than their non-NAF counterparts in virtually all metrics
- Graduation rates are higher for NAF students

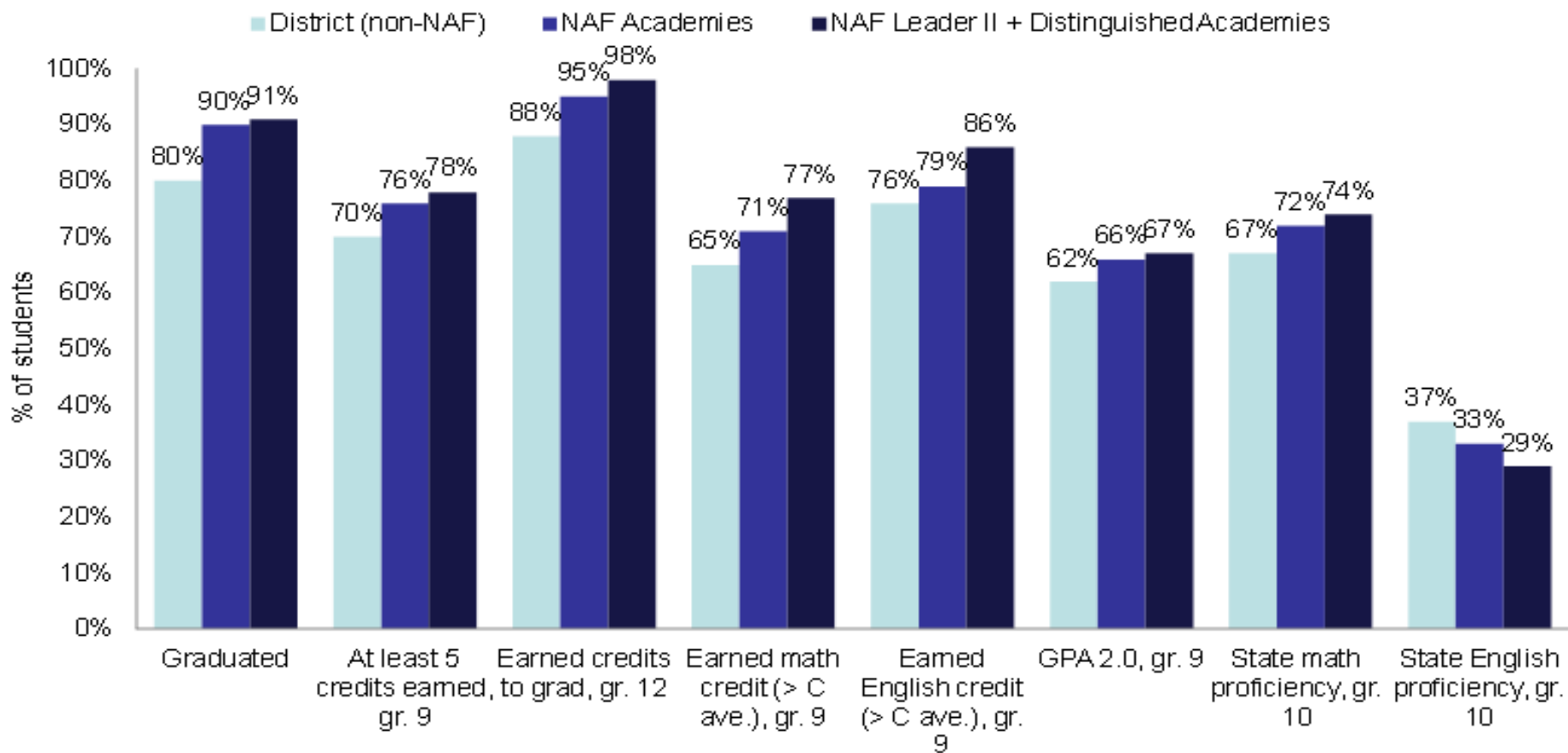


Average graduation rate in areas in which NAF academies reside is 50%

National average is 68%. More than half of NAF students are first in their family to attend college (6% go into the workforce and 9% have not reported their plans)

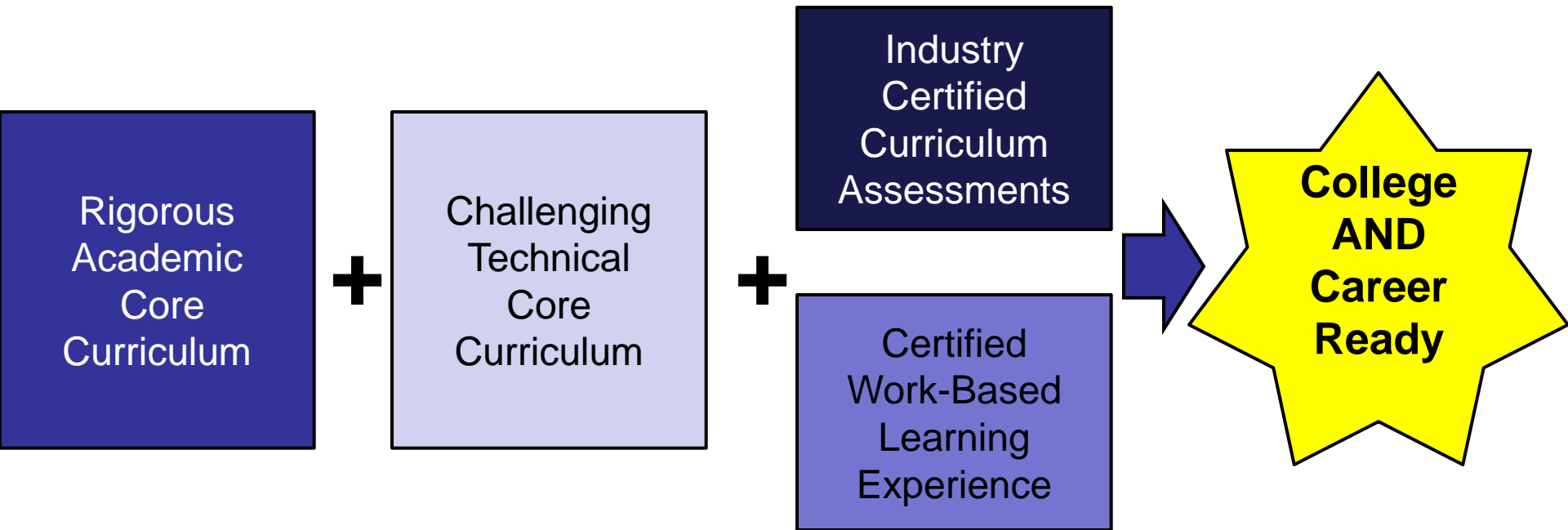
National average is 32%. 85% of 5- and 10-yr alumni are in a professional field

Select Metrics, Miami-Dade: District (Non-NAF) vs. NAF



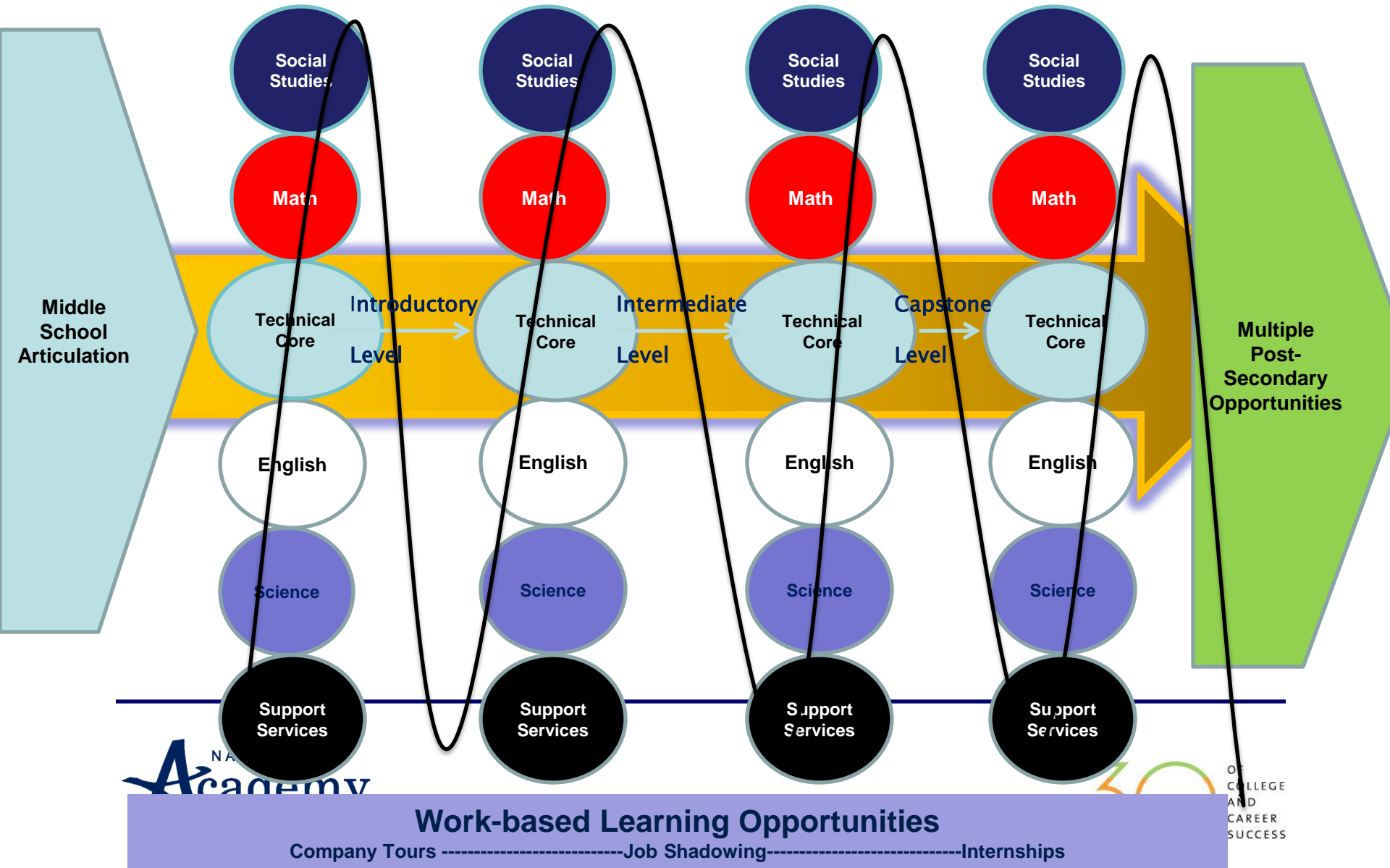
N.B.: 23% of NAF students in M-D were in Leader II + Distinguished academies

How Do We Build This?



Post-Secondary Articulation

College and Career Plan-----College Tours-----Applications -----Courses



NAF College and Career Readiness

National Academy Foundation Dimensions of College and Career Readiness



- **Core Academics**

- Core academic content knowledge (e.g. English, mathematics, science, history, arts)
- Post-secondary context knowledge (admissions requirements, affording college, and different college types)

- **Career Knowledge**

- Core career content knowledge (e.g. knowledge specific to the profession)
- Career context knowledge (e.g., pathway requirements and qualifications)

- **Foundational Skills for Post-Secondary and Career Success**

- Critical and systemic thinking and problem solving
- Information literacy
- Creativity and Innovation
- Organizational/technology skills
- Time management
- Flexibility and adaptability
- Communication (oral and written, listening and observation)

- **Interpersonal Skills**

- Collaboration and teamwork
- Ethical behavior
- Ability to work with diverse individuals

- **Self-Management**

- Awareness of one's own abilities and performance
- Self-directed; takes initiative; resourcefulness

Work-Based Learning Continuum

Career Awareness 9th Grade

- Online career related programs (Road Trip Nation, Career Builder, Connect!)
- Classroom Speakers (career options)*
- Field trips*
- College visits
- Industry themed class projects*
- Career Fairs*
- Accompany parents to work
- Aptitude and interest assessments

Career Exploration 10th Grade

- College research
- College visits
- Career Fairs*
- Classroom speakers and team teaching with industry representatives*
- Informational interviews with adults*
- Job Shadows*
- Industry based projects*
- Community planning projects (Y-PLAN: Youth - Plan, Learn, Act, Now)
- Community resource mapping

Career Preparation 11th & 12th Grade

- College research
- College visits
- Academy recruitment presentations
- College & Career Fairs*
- Community Job Fairs*
- School-based enterprises*
- Virtual enterprises led by business partners*
- Job shadows*
- Community speaking presentations*
- Mock interviews*
- Résumé development*
- Informational interviews*
- Community resource mapping*
- College applications
- Leadership development opportunities
- Industry certifications
- Culminating Internships

* Advisory Board may play a role

NAF District Engagement

- Framework for Supporting a District-wide System of Quality Academies
- District Assessment Rubric
- Implementation Planning

In order to reach the Dallas ISD 2020 goal of having the highest college- and career-ready percentage of graduates of any large urban district in the nation, a definition of what these two pieces mean is necessary. The following defines the skills needed to become a college- and career-ready graduate and aligns with the Superintendent's vision:

Critical Thinker

Imagination: intellectual inventiveness used to generate, discover, and restructure ideas or imagine alternatives
Innovation implementation: to act on creative ideas to make a new contribution
Abstract thinking: exercises sound reasoning and analytical thinking
 Logical and/or scientific thinking: makes judgments based on evidence and previous findings
Transfer of Knowledge: utilizing skills learned in prior experiences under new circumstances, uses knowledge, facts and data to solve workplace problems

Strong Communicator

Comprehension: understanding verbal, written and visual information and instructions; listening effectively
Communication: ability to effectively communicate, convey, negotiate or assert interests, thoughts, emotions, needs and rights ; oral, written, multi-media and non-verbal skills
Technical skills: uses technology appropriately for communication

Effective Collaborator

Relationship building: develop effective cooperative working relationships with colleagues and customers
Conflict resolution: preventing, negotiating, managing and resolving interpersonal conflict
Flexibility: working with diverse teams, contributing appropriately to the common goal; learning from and working with individuals representing diverse cultures, ethnicities, ages, gender, religions, lifestyles and viewpoints

Strong Work Ethic

Time management: managing time effectively and being punctual
Goal management: setting short and long term goals and monitoring progress towards them
Self-control/self-discipline: assessing and regulating one's feelings, emotions and behaviors
Grit/perseverance: the ability to stay focused in the long term on a goal despite obstacles
Growth mindset: believing that intelligence and ability can increase through effort
Relevancy: belief in importance of learning and that the work done in school is relevant to achieving personal goals

Information Literate

Analytical: organizing and understanding information, evaluating information for quality of content, validity, credibility and relevance – sourcing data appropriately
Quantitative: using math and reasoning to describe, analyze and solve problems – understanding how to use math and/or data to develop possible solutions
Open-mindedness: open to learning and demonstrating information gathering skills – seeks out and locates information from varying sources

Skilled in Technology

Informed: selecting and using appropriate technology to accomplish tasks; applies technology skills to problem solving
Computer savvy: applying and using computer programs easily and is able to quickly access information from reliable sources online

Skilled in Business

Workplace context: understanding workplace culture, etiquette and practices and knowing how to navigate the organization
Networking: understanding how to build, utilize and maintain a professional network of relationships and understanding the role networks play in personal and professional success
Diversity appreciation/cultural competence: the set of congruent behaviors and attitudes that enable a person to work effectively in cross-cultural teams

District Systems Activity

NAF Academy Quality and Certification

- Academy Standards
- Academy Assessment
 - Data Entry
 - Evidence
 - Quality Designation
 - Action Plan

Sample Academy Assessment (2012-2013) Academy Data and the Evidence Folder



- Harmony Magnet Academy Assessment Report

NAF Quality

Better Fidelity = Better Outcomes

- Focus on Continuous Improvement
 - Use of Academy Assessment as Metric
 - Membership Levels Based on Fidelity
 - Certified/Leader, Member, and Affiliate
 - Regional Network Team Support
 - Year of Planning
 - Technical Assistance
 - Coaching
 - NAF Professional Development and Support Model
 - E-College

NAF Student Certification and Assessment System (SCAS)

- Industry Certified End of Course Exams
- Culminating Project Assessments
- Internship Assessments
- NAF College and Career Ready Certificate

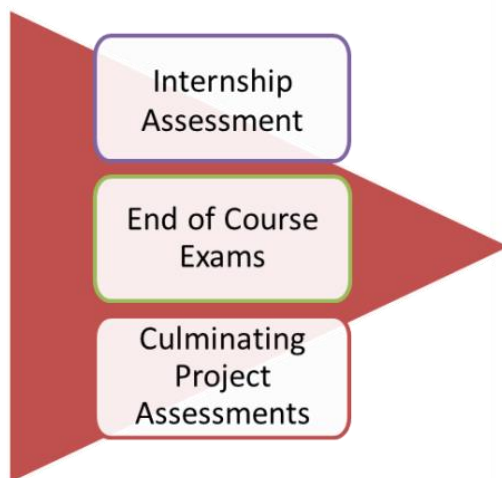
How Can NAF Help?

An assessment system that measures student progress ensures quality and success

- Online system is designed to measure students' knowledge and application of key career-related technical content and foundational skills

Dimensions of College and Career Readiness:

Assessment Components:



Course-Based Assessment

The screenshot shows the login page for the National Academy Foundation's Student Certification Assessment System. At the top left is the NAF logo. To the right, it says 'STUDENT CERTIFICATION ASSESSMENT SYSTEM' with links for 'FAQ' and 'Technical Support'. Below this is a banner with a photo of students and a graduation cap, with the text: 'Welcome to the National Academy Foundation's Student Certification Assessment System. The National Academy Foundation knows that your academy education is important to your success, and earning your NAF Academy Student Certificate in Finance, Hospitality & Tourism, or Information Technology validates this. The NAF Academy Student Certificate serves as a confirmation to colleges and prospective employers that NAF-academy students have demonstrated the knowledge, abilities, and dispositions needed to succeed in postsecondary and career pursuits.'

Below the banner is a login form with the text: 'Enter your information below to login.' The form has three input fields: 'School Code', 'Student ID', and 'Last Name'. A blue 'Submit' button is at the bottom of the form.

On the left side of the login form, there is a text box that reads: 'That's why we've created the Student Certification Assessment System. This system measures students' knowledge and application of key skills taught in NAF courses and work-based learning experiences for the purpose of awarding the NAF Student Certificate in Finance, Hospitality & Tourism, or Information Technology.'

Culminating Project Assessment + End of Course Exam

Course-Based Assessment



[< BACK TO NAF](#)

STUDENT CERTIFICATION
ASSESSMENT SYSTEM

[FAQ](#) [Technical Support](#)



Welcome to the National Academy Foundation's Student Certification Assessment System

The National Academy Foundation knows that your academy education is important to your success, and earning your NAF Academy Student Certificate in Finance, Hospitality & Tourism, or Information Technology validates this. The NAF Academy Student Certificate serves as a confirmation to colleges and prospective employers that NAF academy students have demonstrated the knowledge, abilities, and dispositions needed to succeed in postsecondary and career pursuits.

That's why we've created the Student Certification Assessment System. This system measures students' knowledge and application of key skills taught in NAF courses and work-based learning experiences for the purpose of awarding the NAF Student Certificate in Finance, Hospitality & Tourism, or Information Technology

Enter your information below to login.

School Code

Student ID

Last Name

Submit



#NAFNext

Course-Based Assessment

The screenshot shows the homepage of the National Academy Foundation's Student Certification Assessment System. At the top left is the NAF logo. To the right, it says 'STUDENT CERTIFICATION ASSESSMENT SYSTEM' with links for 'FAQ' and 'Technical Support'. Below this is a banner with a photo of students and a graduation cap, with the text: 'Welcome to the National Academy Foundation's Student Certification Assessment System. The National Academy Foundation knows that your academy education is important to your success, and earning your NAF Academy Student Certificate in Finance, Hospitality & Tourism, or Information Technology validates this. The NAF Academy Student Certificate serves as a confirmation to colleges and prospective employers that NAF-academy students have demonstrated the knowledge, abilities, and dispositions needed to succeed in postsecondary and career pursuits.'

Below the banner is a login section. On the left, a text box explains: 'That's why we've created the Student Certification Assessment System. This system measures students' knowledge and application of key skills taught in NAF courses and work-based learning experiences for the purpose of awarding the NAF Student Certificate in Finance, Hospitality & Tourism, or Information Technology'. On the right, there is a login form with the heading 'Enter your information below to login.' and three input fields for 'School Code', 'Student ID', and 'Last Name', followed by a 'Submit' button.

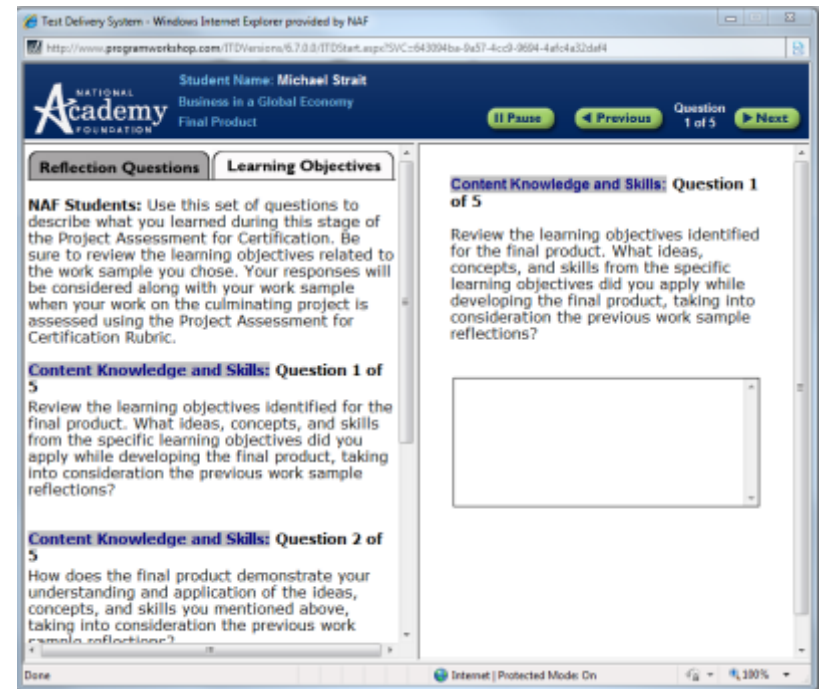
Culminating Project Assessment + End of Course Exam

Course-Based Assessments

In NAF Student Certification Assessment System

- Culminating Project Assessments and End of Course exams have been developed for every NAF-developed course
 - For project assessment, students to upload work samples and write reflections 3 times per course: planning stage, implementation stage, and final product. Teacher completes project assessment using common rubric.
 - End of course exams are online proctored exams with multiple choice and constructed response items
-

Culminating Project Assessment



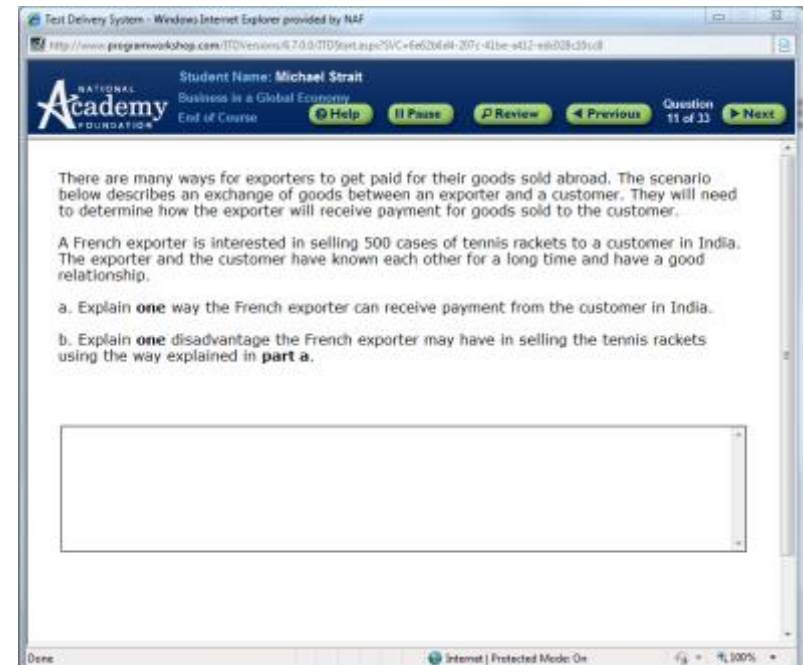
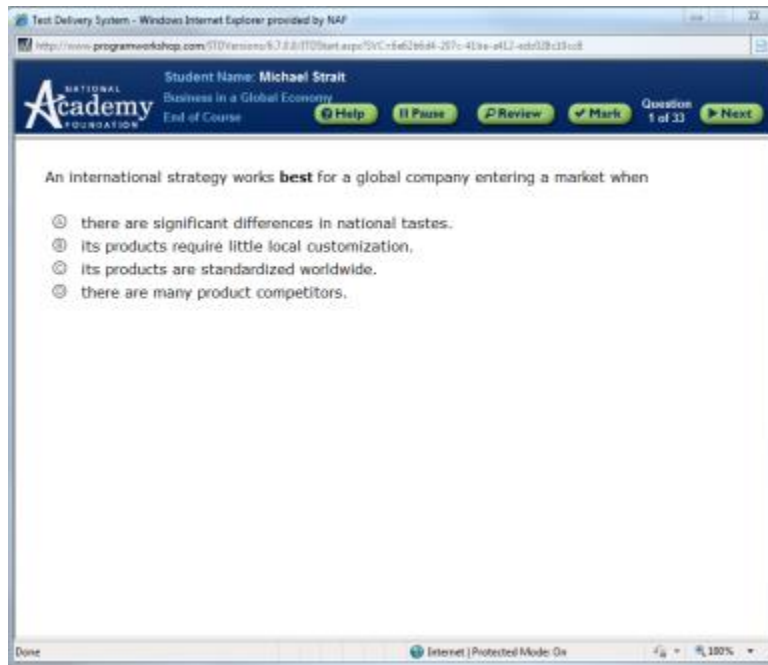
Upload A Work Sample



#NAFNext

Reflect on Learning

End of Course Exam



Multiple Choice

Constructed Response

Internship Assessment



[← BACK TO NAF](#)

STUDENT CERTIFICATION
ASSESSMENT SYSTEM

User Login


Email

Password

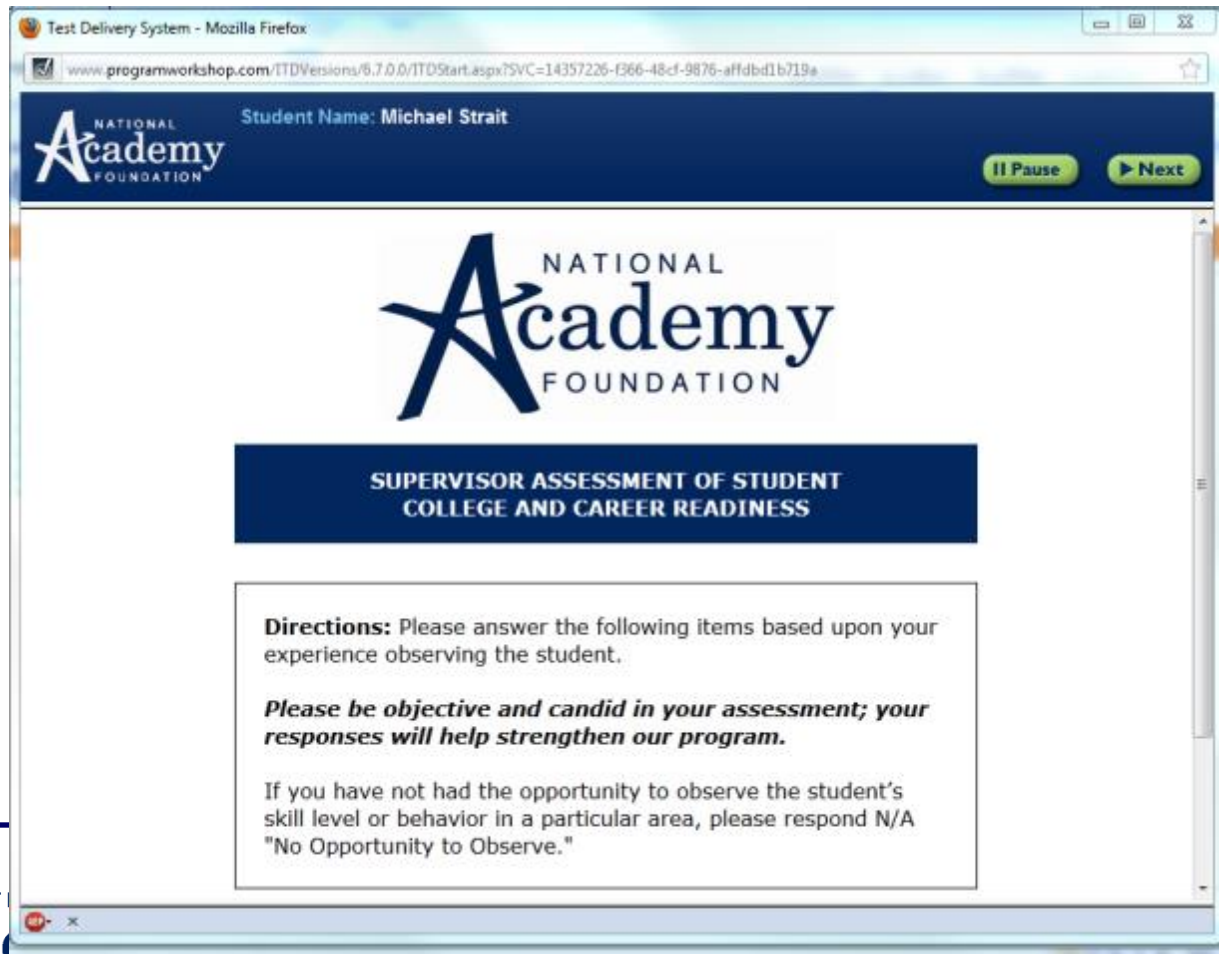
Submit

 [Forgot your password?](#)

 [System Check](#)

 [Download Secure Browser](#)

Supervisor Assessment of College and Career Readiness



#NAFNext

Supervisor Assessment of College and Career Readiness

Test Delivery System - Mozilla Firefox
www.programworkshop.com/ITD/Versions/6.7.0.0/ITDStart.aspx?SVC=14357226-f366-48cf-9876-affdbd1b719a

NATIONAL Academy FOUNDATION Student Name: Michael Strait

Help Pause Scoring Guide Previous Next

Score	1 Does Not Meet Expectations	2 Approaches Expectations	3 Meets Expectations	4 Exceeds Expectations
FOUNDATIONAL SKILLS				
Locating, comprehending, and evaluating information	The student has limited curiosity and research skills, and does not readily seek out information, understand	The student has some curiosity and research skills, and locates information, but does not organize it,	The student is open to learning and has adequate research skill; locates information,	The student is very open to learning, and has high level research skills; locates, understands, and

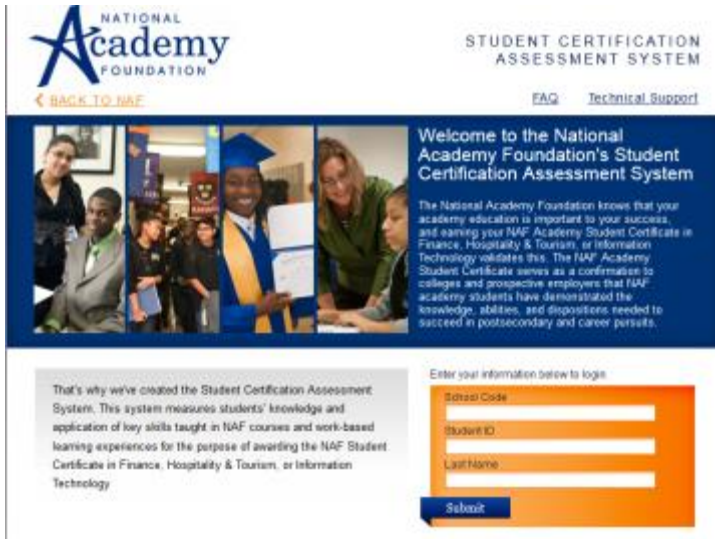
Examples are only required for ratings of (1) "Does Not Meet Expectations" and (4) "Exceeds Expectations."

A. Foundation Skills	1 Does Not Meet Expectations	2 Approaches Expectations	3 Meets Expectations	4 Exceeds Expectations	No Opportunity to Observe
Locating, comprehending, and evaluating information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Example	<input type="text"/>				
Listening and observation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Example	<input type="text"/>				



#NAFNext

NAF Certification Assessments



The image shows the landing page for the National Academy Foundation's Student Certification Assessment System. At the top left is the NAF logo. To its right, the text reads "STUDENT CERTIFICATION ASSESSMENT SYSTEM". Below the logo is a "BACK TO NAF" link. In the center, there is a banner with a photo of students and a welcome message. To the right of the banner is a paragraph explaining the system. Below the banner is a login form with fields for School Code, Student ID, and Last Name, and a "Submit" button. To the left of the login form is a text box explaining the purpose of the system.

NATIONAL Academy FOUNDATION

STUDENT CERTIFICATION ASSESSMENT SYSTEM

← BACK TO NAF

FAQ Technical Support

Welcome to the National Academy Foundation's Student Certification Assessment System

The National Academy Foundation knows that your academy education is important to your success, and earning your NAF Academy Student Certificate in Finance, Hospitality & Tourism, or Information Technology validates this. The NAF Academy Student Certificate serves as a confirmation to colleges and prospective employers that NAF academy students have demonstrated the knowledge, abilities, and dispositions needed to succeed in postsecondary and career pursuits.

Enter your information below to login

School Code

Student ID

Last Name

Submit

That's why we've created the Student Certification Assessment System. This system measures students' knowledge and application of key skills taught in NAF courses and work-based learning experiences for the purpose of awarding the NAF Student Certificate in Finance, Hospitality & Tourism, or Information Technology.

X 4

+



The image is a screenshot of a web browser displaying the "Supervisor Assessment of Student College and Career Readiness" form. The browser title is "Test Delivery System - Mozilla Firefox". The URL is "http://programpartnership.com/1102/assess/5_7A/6/1102/assess/2014/03/22/8-498-484-8616-4884/1102/". The page header includes the NAF logo and the student name "Michael Strait". There are "Pause" and "Next" buttons. The main heading is "SUPERVISOR ASSESSMENT OF STUDENT COLLEGE AND CAREER READINESS". Below this is a "Directions" section with instructions for the assessor.

Test Delivery System - Mozilla Firefox

http://programpartnership.com/1102/assess/5_7A/6/1102/assess/2014/03/22/8-498-484-8616-4884/1102/

NATIONAL Academy FOUNDATION

Student Name: Michael Strait

Pause Next

NATIONAL Academy FOUNDATION

SUPERVISOR ASSESSMENT OF STUDENT COLLEGE AND CAREER READINESS

Directions: Please answer the following items based upon your experience observing the student.

Please be objective and candid in your assessment; your responses will help strengthen our program.

If you have not had the opportunity to observe the student's skill level or behavior in a particular area, please respond N/A "No Opportunity to Observe."

Earning the NAF Certificate

- NAF Certification Assessments
 - ✓ 4 NAF Course Assessments
 - ✓ NAF WBL Supervisor Assessment of College and Career Readiness
 - High School Graduation, with
 - ✓ College Admission Requirements Met
-



College Placement Tests Waived

Earning the NAF Certificate

The image displays several National Academy Foundation (NAF) logos and certificate templates. The logos are arranged in a grid-like fashion, each within a rectangular frame. The logos include:

- National Academy Foundation** (top left)
- Academy of Hospitality & Tourism** (middle left)
- Academy of Engineering** (bottom left)
- Academy of Information Technology** (bottom middle)
- Academy of Finance** (bottom right)
- Academy of Health Sciences** (bottom left)

A large certificate template is positioned on the right side of the image. It features the NAF logo and the text:

National Academy Foundation
College and Career Ready
Certificate

This certifies that

Has been assessed and certified in the curriculum for the Academy of Finance through the National Academy Foundation

Question and Answer Period

- List responses

Thank You!

Mike Henson

mhenson@naf.org