



Miami-Dade County Public Schools



An Overview of Career and Technical Education Impact of Industry Certification, NAF and Career Academies



106,528 CTE Middle & High school students
(of total M-DCPS K-12 enrollment 353,152 in 2012-13)

CTE Programs offered in

- 57 Middle Schools and K-8 Centers
- 45 Senior High Schools
- 7 Alternative Education Centers
- 22 Adult Education Centers

CTE in Middle Schools

Number of Middle Schools Offering CTE Programs

Agriscience Education	Business Technology Education	Family and Consumer Sciences	Health Science Education	Technology Education	TOTAL MIDDLE SCHOOLS
8	37	38	4	38	57



CTE in Senior High Schools

Number of M-DCPS Senior High Schools with CTE Programs of Study

Agriscience Education	Business Technology Education	Diversified Education	Family and Consumer Sciences	Health Science Education	Industrial Education	Marketing Education	Public Service Education	Technology Education	TOTAL SENIOR HIGH SCHOOLS
7	38	38	35	26	23	19	10	37	45



Industry Certification—Five Year Trend



Year	Number of Exams
2008-09	21,260
2009-10	20,517
2010-11	20,322
2011-12	19,592
2012-13	19,397

Miami-Dade CAPE Academies

- M-DCPS increased the number of **registered Career And Professional Education (CAPE) Academies** by 20.6% from 155 in 2008-2009 to 192 in 2012-2013.



- The total number of **students** participating in CAPE Academies increased by 152.75% from 17,668 in May 2008-2009 to 44,656 in May 2011-2012.

Career Academies

Career academy programs are tailored to maximize the understanding of any given career and profession. Students are given experiences in real-world situations to enable them to succeed in college and in their chosen career-themed pathway.



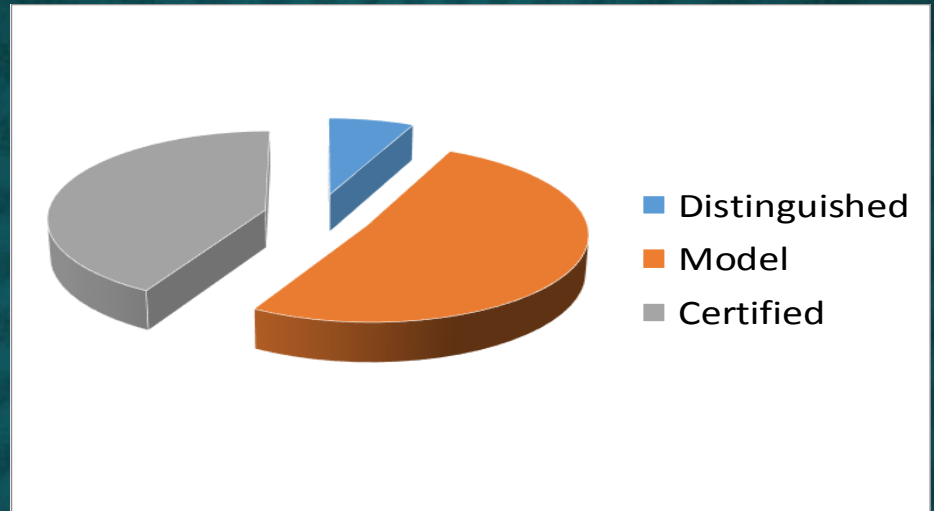
Nationally Recognized Career Academies

NAF

3 Distinguished Academies

22 Model Academies

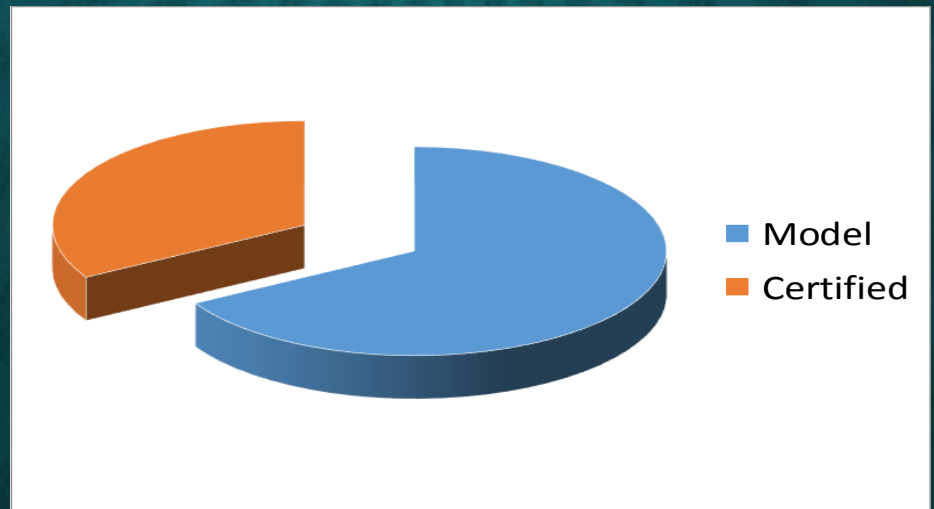
18 Certified Academies



NCAC

14 Model Academies

7 Certified Academies

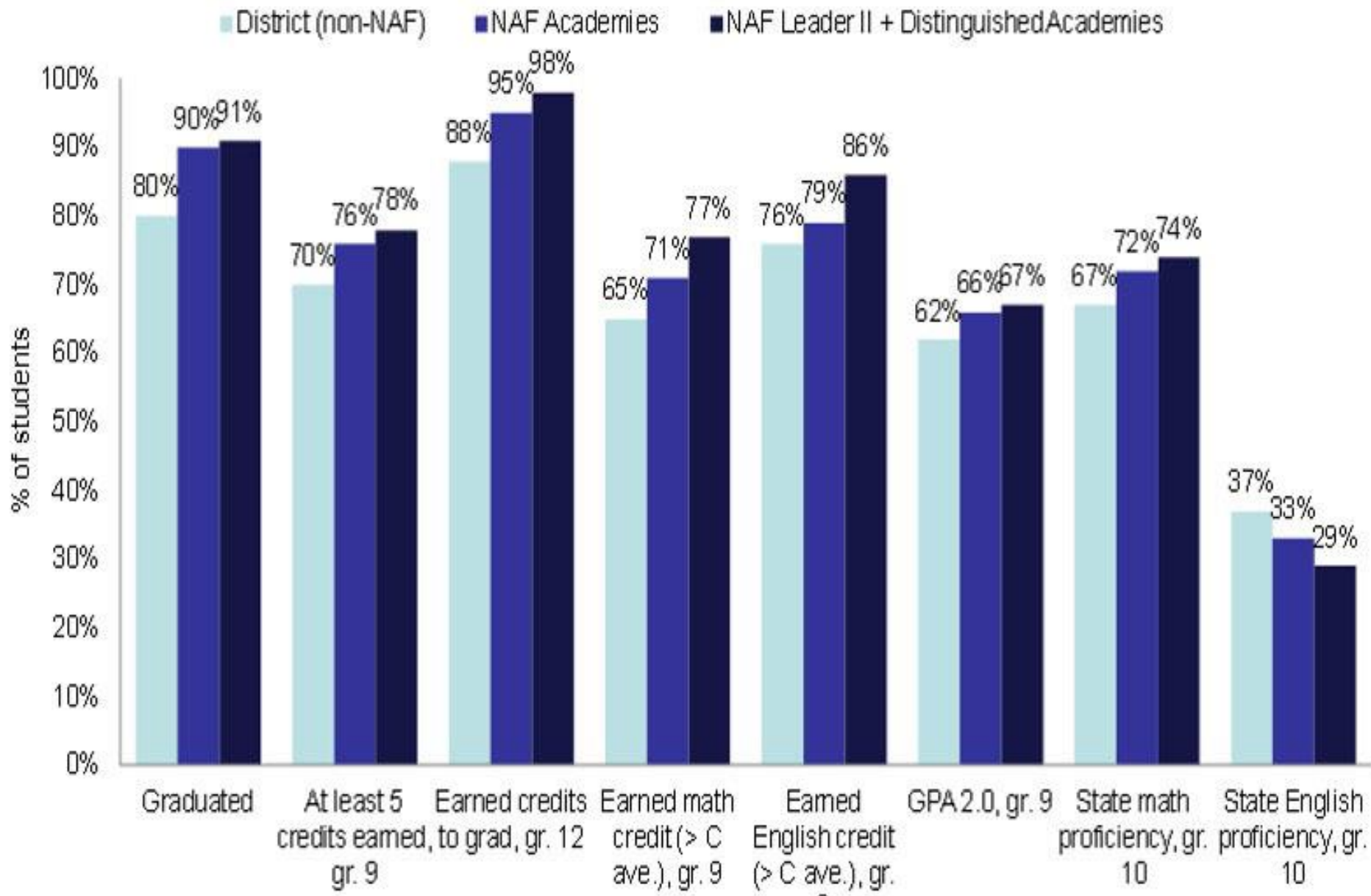


2013-14 M-DCPS and NAF

- 15 Academy of Finance programs
- 14 Academy of Hospitality and Tourism programs
- 14 Academy of Information Technology programs
- 4 Academy of Engineering programs
- 3 Academy of Health Sciences programs
- 50 NAF programs district-wide

NAF CAREER ACADEMIES

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

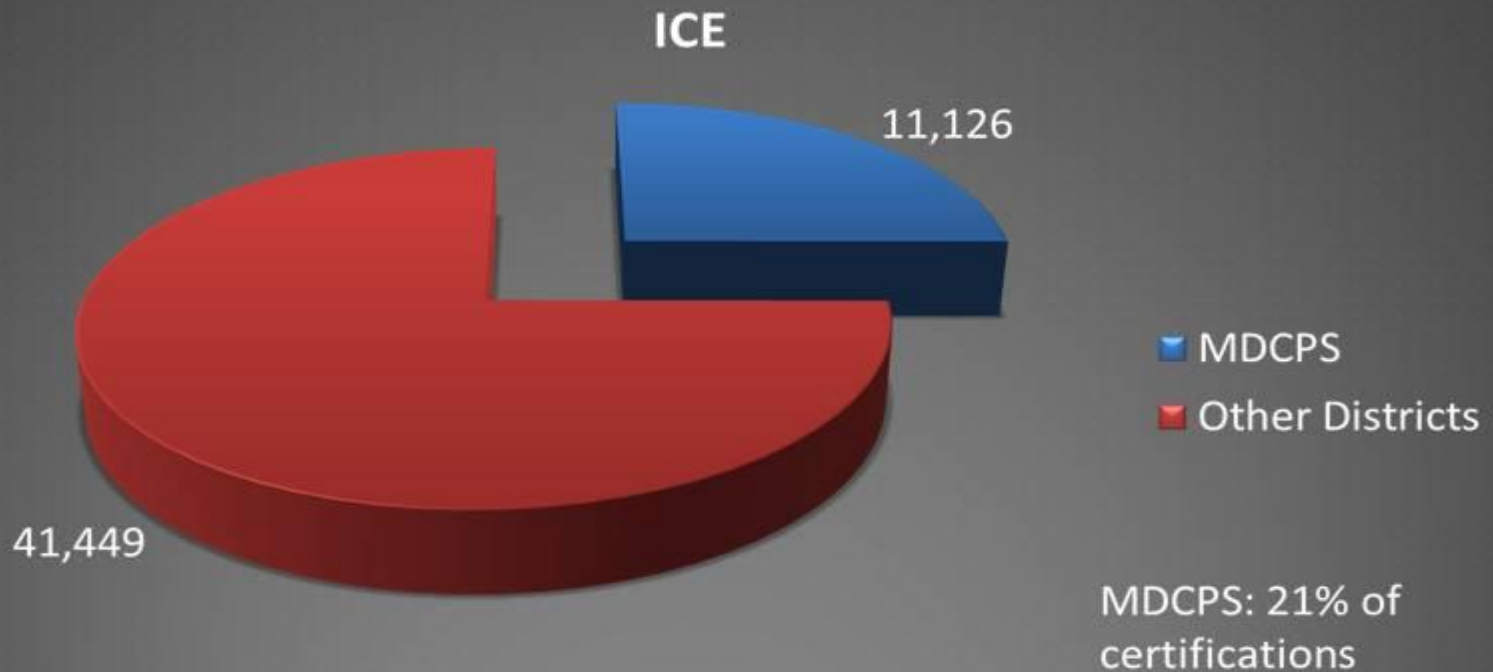


Graduation Rate: Leading Indicators

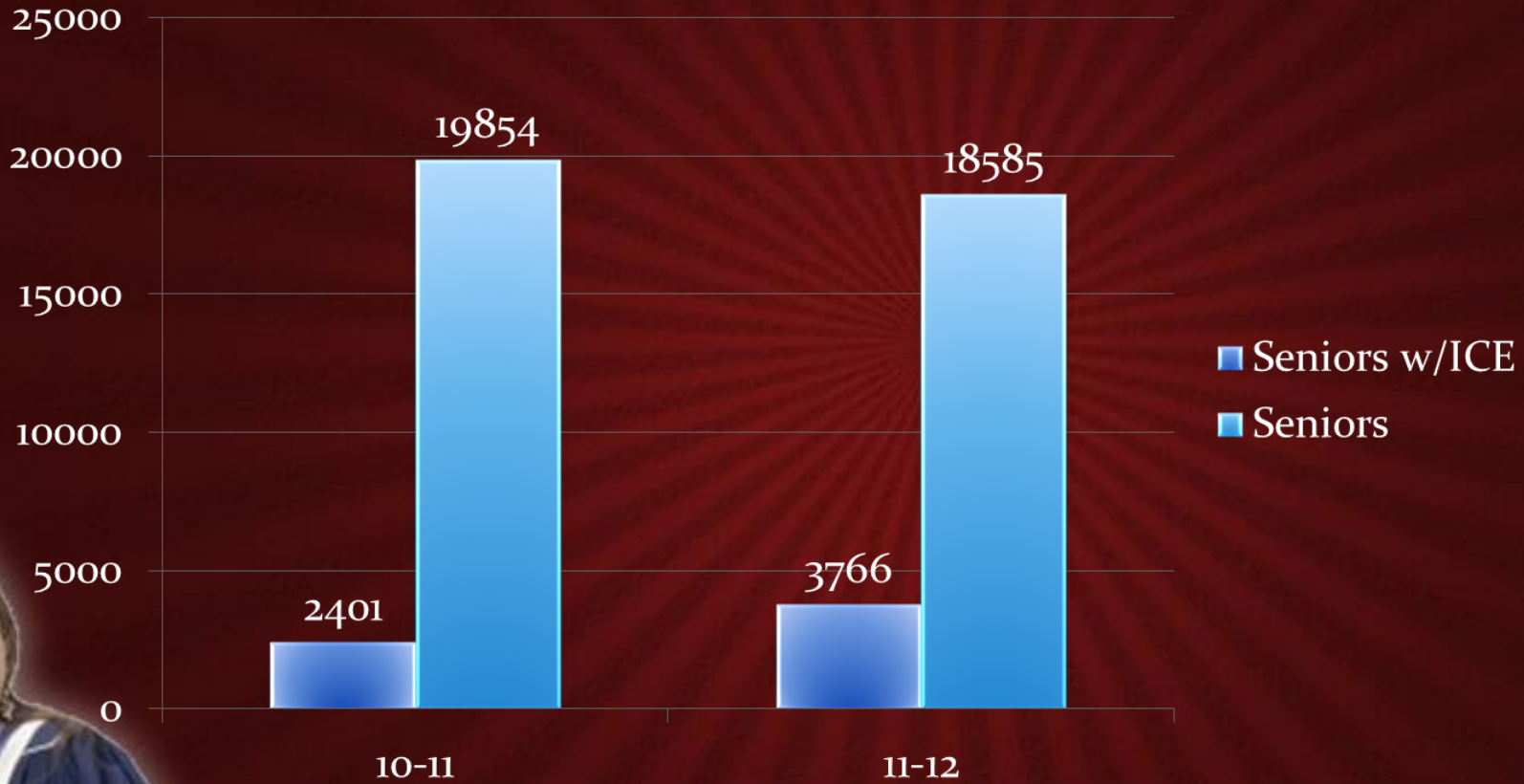
Across grade matriculations, higher proportions of academy students on track to graduate in one year and remain on track to graduate the following year:

- grade 9 to 10: 63% NAF versus 58% non-NAF
- grade 10 to 11: 73% NAF versus 66% non-NAF
- grade 11 to 12: 77% NAF versus 74% non-NAF

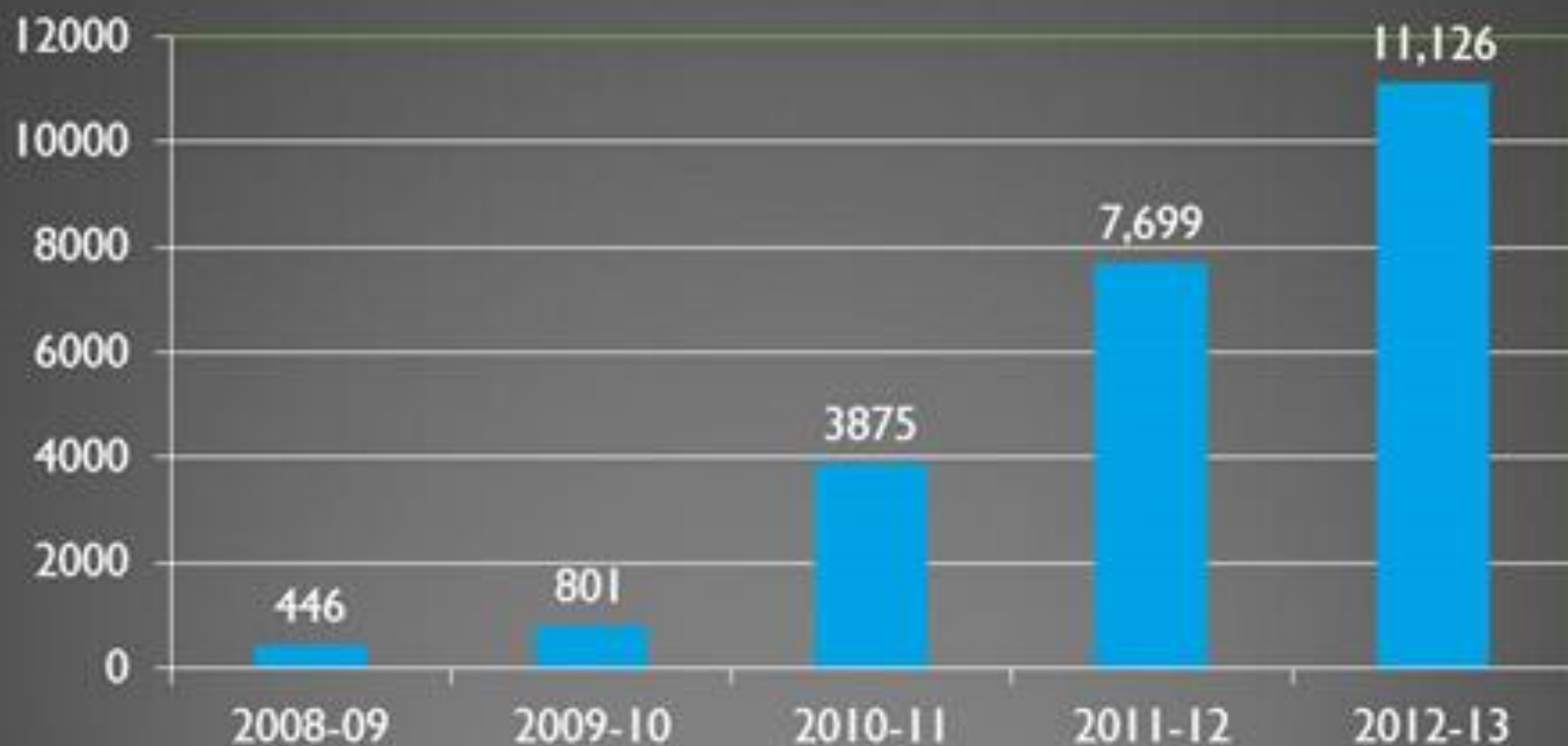
INDUSTRY CERTIFICATION EXAMS IN FLORIDA, GRADES 9-12, 2012-13



Seniors Graduating with Industry Certifications



M-DCPS STUDENTS AWARDED ONE OR MORE INDUSTRY CERTIFICATIONS



AgriScience and Natural Resources Education

Current Industry Certifications:

- **FLBR2001** Certified Agricultural Technician
- **FLBR2002** Certified Agricultural Biotechnology
- **FNGLA 001** Certified Horticulture Professional
- **FLVMA 002** Certified Veterinary Assistant

(Computer based @ \$85. each)

Testing Dates: April 21-May 9, 2014, as scheduled and coordinated with school-site Test chair and assigned exam proctor.



Family and Consumer Sciences

Current Industry Certifications

- **NRAEF003** Certified Professional Food Manager ServSafe (Computer-based Exam). To test, a student **MUST** be enrolled in Culinary Arts 1-4 and complete Food Safety Training by American National Standards Institute (ANSI).
 - **NRAEF002** National ProStart Certified Achievement. Two exams. To test a student **MUST** be enrolled in Culinary Arts 3 & 4, complete prerequisite courses and 400 hours of mentored experience (Paper-based Exam)

(To be scheduled and coordinated by teacher with school-site test chair and assigned exam proctor prior to May 19, 2014.)



Law, Public Safety & Security

- National Association of Legal Secretaries (NALS)
Accredited Legal Professional (ALP)
- Florida Farm Bureau Federation FLBR2001 Agricultural
Technician Certification
- Florida Nursery Growers & Landscapers Association
FNGLA 001 Florida Horticulture Professional
- Florida Veterinary Medical Association
(FLVMA 002)
- Certified Veterinary Assistant (CVA)



Law, Public Safety & Security

Current Industry Certification

TAFLP001 Accredited Legal Professional (ALP)
Student enrolled in Criminal Justice 4 and
completed CJ 1, 2 & 3.



Law, Public Safety & Security

Professional Industry Accreditation Entity:

National Association of Legal Secretaries
(NALS) provides basic certification for legal
professionals

The Accreditation for Legal Professionals (ALP) is the entry-level examination for those entering the legal support profession. Professional Paralegal & Professional Legal Secretary certifications also available.



Business and Marketing Education

- **ADOBE010 Dreamweaver**
- **ADOBE011 Flash**
- **ADOBE012 Photoshop**
- **MICRO069 MOS**
- **INTUIT001 Quickbooks**
- **AHLAE010 HTMP Front Desk Supervisor**



Business and Marketing Education

WHAT'S NEW*

- Adobe Illustrator
- Adobe In-Design
- MTA
- CIW

*Under consideration for 2013-14



Health Science Education

Health Science offers five Industry Certifications:

- **Certified Medical Administrative Assistant (CMAA) \$105**
- **Certified Electrocardiograph Technician (CET) \$105**
 - **Health Unit Coordinator (HUC) \$175**
 - **Certified Nursing Assistant (CNA) \$182**
 - **Licensed Practical Nurse (LPN) \$404**



Industrial and Technology Education

Industry Certifications:

- Autodesk
- Adobe
- Mastercam
- Engineering Core (PLTW)
- Electronics Systems
- NCCER
- ASE and FLADA
- ProStart
- ServSafe
- Solidworks
- Robotics
- Others



Industrial and Technology Education

Automotive Service Technology

- NATEF Program Accreditation is required – F.S. 1004.925
- Renew every 5 years, 2 ½ year Mid Review
- Fees - \$850.00 new accreditation & \$750.00 renewal plus ETL Travel Costs (varies)
- Additional - Manufacture Specific (T-Ten, Honda PACT) \$425 new and \$375.00 renewal
- Next Accreditation – Teacher must have G-1 (Maintenance & Light truck)
- Two Advisory Committee meetings must be attended annually



National Automotive Technicians Education Foundation (NATEF):
<http://www.natef.org>

Achieving Accreditation: <http://www.natef.org/Achieving-Accreditation.aspx>

Accreditation Fees: <http://www.natef.org/About-NATEF/Accreditation-Fees.aspx>

M-DCPS Advisory Committee Handbook:
<http://adulted.dadeschools.net/AGE/Documents/advisory-committee-handbook.pdf>

Industrial and Technology Education

NCCER Sponsorship & Instructor Certification

- Program Sponsor Annual Fee – \$375.00 --FL Masonry Apprenticeship & Educational Foundation
- System Generated Number (SGN) – Under age 19 = \$30.00, Over age 19 = \$40.00 (National Identification System)
- PD Evening; Feb 11 – 13 @ Turner Tech 3:30 p.m. - 9:00 p.m.



National Center for Construction Education and Research (NCCER): <http://www.nccer.org/>

NCCER Accreditation Guidelines:
<http://www.nccer.org/uploads/fileLibrary/accreditation-guidelines.pdf>

NCCER Curriculum: <http://www.nccer.org/curriculum?mID=105>

Florida Masonry Apprenticeship & Education Foundation, Inc.:
<http://www.masonryeducation.org/>