

2023-24

AGRICULTURE, FOOD & NATURAL RESOURCES

The Agriculture, Food and Natural Resources programs prepare students for careers in a highly technical and ever changing sector of the global economy. These programs provide a career pathway to a wide variety of careers in agritechology, animal science, plant science, food products & processing and environmental science.

SECONDARY

ENROLLMENT

63,043

Students Enrolled in High School Programs



+ 34,193

Students Enrolled in Middle School Programs



= 97,236

= 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Agriculture Associate Certification

2ND Ecology Conservation and Management Certification

3RD Agriculture Systems Associate Certification

4TH Agritechology Specialist Certification

5TH Animal Science Specialist Certification

TOP HIGH SCHOOL PROGRAMS

1. Agritechology (16,687)
2. Veterinary Assisting (10,869)
3. Agricultural Communications (9,025)
4. Animal Science and Services (7,765)
5. Horticulture Science and Services (5,269)

ARTICULATION PATHWAY TO COLLEGE

Certified Horticulture Professional

Articulates 6 credits

Landscape & Horticulture Technology A.S. Degree

\$640.68 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

366
Students Enrolled

7
Districts



TOP CERTIFICATIONS

1ST Certified Veterinary Assistant	2ND Certified Horticultural Professional	3RD Natural Resources Specialist
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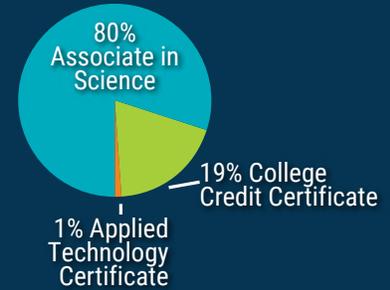
TOP PROGRAM

1. Veterinary Assisting (CAR) (329)
2. Nursery Management (CAR) (15)
3. Landscape & Turf Management (CAR) (14)
4. Service Animal Trainer (APPR) (8)

COLLEGE SYSTEM ENROLLMENT

2,903
Students Enrolled

16
Colleges



TOP CERTIFICATION

1ST Wastewater Treatment Plant Operator Level C

TOP PROGRAMS

1. Veterinary Technology (AS) (881)
2. Environmental Science Technology (AS) (555)
3. Landscape & Horticulture Technology (AS) (355)
4. Zoo Animal Technology (AS) (163)
5. Agribusiness Management (AS) (138)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$44.56
Per Hour Mean Wage

Farmers, Ranchers and Other Agricultural Managers

ANNUAL OPENINGS
5,002
Annual Openings

Farmers, Ranchers and Other Agricultural Managers

HIGH GROWTH
1.74%
Annual Growth Rate

First-Line Superv. Landscaping & Groundskeeping Workers

2023-24

ARCHITECTURE & CONSTRUCTION

The Architecture and Construction Career Cluster prepares students for careers in designing, planning, managing, building and maintaining the built environment. Examples of careers include drafters, electricians, construction managers and plumbers.

SECONDARY

ENROLLMENT

23,336

Students Enrolled in High School Programs



+ 2,548

Students Enrolled in Middle School Programs



= 25,884

= 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST HBI Pre-Apprenticeship Certificate Training PACT Core

2ND Autodesk Certified User AutoCAD

3RD Autodesk Certified User Inventor

4TH Autodesk Certified User Revit

5TH HBI Pre-Apprenticeship Certificate Training (PACT), Core Green

TOP HIGH SCHOOL PROGRAMS

1. Building Trades/Construction (8,804)
2. Building Construction Technologies (4,672)
3. Carpentry (2,102)
4. Air Conditioning, Refrigeration and Heating Technology (1,802)
5. Electricity (1,653)

ARTICULATION PATHWAY TO COLLEGE

HVAC Excellence Employment Ready - Heat Pump

Articulates 4 credits

Air Conditioning, Refrigeration and Heating Systems Technology A.S. Degree

\$427.12 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

15,831

Students Enrolled

33

Districts



TOP CERTIFICATIONS

1ST
HVAC Excellence
Employment Ready
- Electrical

2ND
HVAC Excellence
Employment Ready
- Air Conditioning

3RD
HVAC Excellence
Employment Ready
- Heat Pump

TOP PROGRAMS

1. Electrician (APPR) (5,107)
2. Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) (CAR) (2,177)
3. Electricity (CAR) (1,508)
4. Air Conditioning, Refrigeration and Heating Technology (APPR) (1,302)
5. Plumbing Technology (APPR) (1,171)

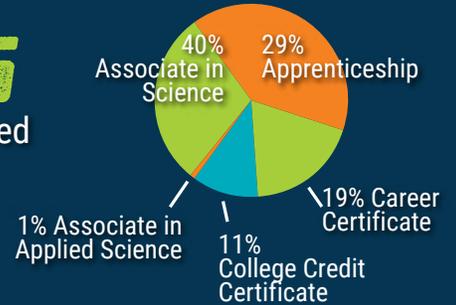
COLLEGE SYSTEM ENROLLMENT

6,275

Students Enrolled

24

Colleges



TOP CERTIFICATIONS

1ST
HVAC Excellence
Employment Ready
- Air Conditioning

2ND
HVAC Excellence
Employment Ready
- Electrical

3RD
HVAC Excellence
Employment Ready
- Heat Pump

TOP PROGRAMS

1. Electrician (APPR) (1,181)
2. Building Construction Technology (AS) (953)
3. Heating, Ventilation, Air-Conditioning Refrigeration (HVAC/R) (CAR) (849)
4. Architectural Design & Construction Technology (AS) (774)
5. Construction Management Technology (AS) (349)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$23.60
Per Hour Mean Wage

Electricians

ANNUAL OPENINGS
6,762
Annual Openings

Carpenters

HIGH GROWTH
2.35%
Annual Growth Rate

Roofers

2023-24

ARTS, A/V TECHNOLOGY & COMMUNICATION

The Arts, A/V Technology and Communication Career Cluster encompasses audio/video technology and film, journalism and broadcasting, performing arts, printing technology, telecommunications and visual arts. Students prepare for these careers by designing, producing, exhibiting, performing, writing and publishing multimedia content.

SECONDARY

ENROLLMENT

137,170

Students Enrolled in High School Programs



+ 20,214

Students Enrolled in Middle School Programs



= 157,384

= 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign)

2ND

Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop)

3RD

Toon Boom Certified Associate (Storyboard Pro)

4TH

Toon Boom Certified Associate (Harmony Premium)

5TH

Adobe Certified Professional in Web Design (Requires Dreamweaver and Animate or Photoshop)

TOP HIGH SCHOOL PROGRAMS

1. Digital Design (59,944)
2. Digital Media/Multimedia Design (19,936)
3. Digital Video Technology (16,337)
4. Television Production Technology (14,730)
5. Journalism and Multimedia (4,529)

ARTICULATION PATHWAY TO COLLEGE

Adobe Certified Professional in Video Design

Articulates 4 credits

Radio and Television Broadcast Programming A.S. Degree

\$427.12 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

2,685
Students Enrolled

14
Districts



TOP CERTIFICATION

1ST
Adobe Certified Professional in Visual Design (Photoshop and Illustrator or InDesign)

2ND
Adobe Certified Professional in Video Design (Premiere Pro and After Effects or Photoshop)

3RD
Adobe Certified Associate (ACA) - Illustrator

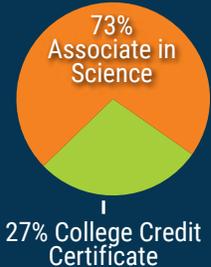
TOP PROGRAMS

1. Digital Video Technology (CAR) (804)
2. Digital Media/Multimedia Design (CAR) (471)
3. Digital Photography Technology (CAR) (397)
4. 3 D Animation Technology (CAR) (349)
5. Digital Design (CAR) (245)

COLLEGE SYSTEM ENROLLMENT

12,529
Students Enrolled

25
Colleges



TOP CERTIFICATION

1ST
Adobe Certified Professional in Visual Design (Photoshop and Illustrator or InDesign)

2ND
Adobe Certified Professional in Video Design (Premiere Pro and After Effects or Photoshop)

TOP PROGRAMS

1. Graphics Technology (AS) (1,988)
2. Digital Media/Multimedia Technology (AS) (1,907)
3. Music and Sound Production Technology (AS) (1,436)
4. Film Production Technology (AS) (1,146)
5. Interior Design Technology (AS) (832)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$34.98
Per Hour Mean Wage

Producers and Directors

ANNUAL OPENINGS
1,759
Annual Openings

Graphic Designers

HIGH GROWTH
2.49%
Annual Growth Rate

Audio and Video Technicians

2023-24

BUSINESS MANAGEMENT & ADMINISTRATION

The Business Management and Administration Career Cluster programs prepare students for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities in this cluster are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

SECONDARY

ENROLLMENT

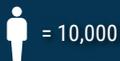
53,393

Students Enrolled in High School Programs



+ 69,374

Students Enrolled in Middle School Programs



= **122,767**

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST PMI Project Management Ready

2ND Quickbooks Certified User

3RD Accredited Legal Professional (ALP)

TOP HIGH SCHOOL PROGRAMS

1. Computer Applications in Business 1 (21,418)
2. Electronic Business Enterprise (7,709)
3. Accounting Applications (6,228)
4. Promotional Enterprise (4,284)
5. Administrative Office Specialist (3,630)

ARTICULATION PATHWAY TO COLLEGE

Professional Legal Secretary (PLS)

Articulates 9 credits

Office Administration A.S. Degree

\$961.02 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

1,285
Students Enrolled

16
Districts



TOP CERTIFICATION

1ST Quickbooks Certified User	2ND PMI Project Management Ready	3RD Certified Bookkeeper
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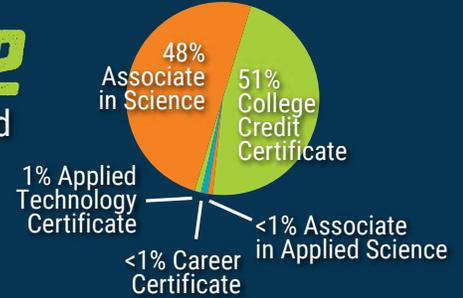
TOP PROGRAMS

1. Accounting Operations (CAR) (536)
2. Medical Administrative Specialist (CAR) (247)
3. Business Management and Analysis (CAR) (232)
4. Administrative Office Specialist (CAR) (142)
5. Legal Administrative Specialist (CAR) (86)

COLLEGE SYSTEM ENROLLMENT

32,982
Students Enrolled

28
Colleges



TOP CERTIFICATION

1ST Quickbooks Certified User
--

TOP PROGRAMS

1. Business Administration (AS) (11,793)
2. Business Specialist (CCC) (5,408)
3. Accounting Technology (AS) (2,640)
4. Business Management (CCC) (2,491)
5. Business Operationst (CCC) (2,198)

EMPLOYMENT OUTLOOK

HIGH WAGE \$47.51 Per Hour Mean Wage
--

General and Operations Managers

ANNUAL OPENINGS 15,477 Annual Openings
--

General and Operations Managers

HIGH GROWTH 1.50% Annual Growth Rate
--

Medical Secretaries and Administrative Assistants

2023-24

EDUCATION & TRAINING

The Education and Training Career Cluster programs offer students educational opportunities, training services and related learning support with an emphasis on improving public education services. The three pathways include Administration and Administrative Support; Professional Support Services and Teaching/Training.

SECONDARY

ENROLLMENT

27,206

Students Enrolled in High School Programs



+ 1,526

Students Enrolled in Middle School Programs



= 1,000

= 28,732

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Child Development Associate (CDA)

2ND Florida Teacher Certification Examinations (FTCE) - Professional Education Test

TOP HIGH SCHOOL PROGRAMS

1. Early Childhood Education (17,973)
2. Principles of Teaching (7,766)
3. Child Development (1,352)
4. Education and Training Directed Study (517)

ARTICULATION PATHWAY TO COLLEGE

Child Development Associate (CDA)

Articulates 9 credits

Early Childhood Education A.S. Degree

\$961.02 in State College Tuition Savings

POSTSECONDARY

DISTRICT POSTSECONDARY ENROLLMENT

1,995
Students Enrolled

11
Districts



TOP CERTIFICATION



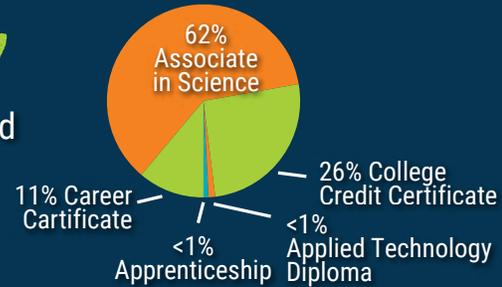
TOP PROGRAMS

1. Early Childhood Education (CAR) (1,189)
2. Early Childhood Education (APPR) (405)
3. Child Care Center Operations (CAR) (300)
4. School Age Professional Certificate (CAR) (78)
5. Principles of Teaching (CAR) (23)

COLLEGE SYSTEM ENROLLMENT

5,967
Students Enrolled

22
Colleges



TOP CERTIFICATION



TOP PROGRAMS

1. Early Childhood Education (AS) (2,870)
2. Early Childhood Education (CAR) (534)
3. Early Childhood Management (AS) (487)
4. Preschool Specialization (CCC) (447)
5. Child Care Center Management Specialization (CCC) (444)

EMPLOYMENT OUTLOOK



Interpreters and Translators*



Interpreters and Translators*

* Indicates data sourced from the Florida College System (FCS) Employment Data

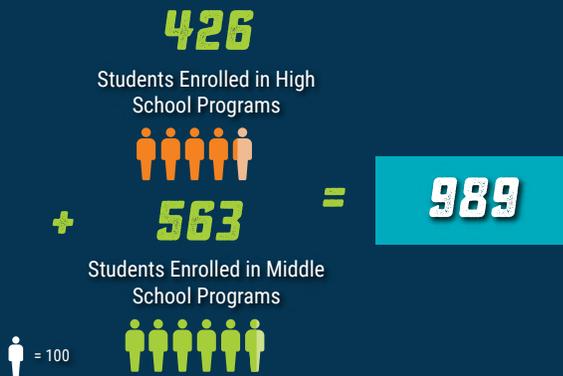


2023-24 ENERGY

The Energy Career Cluster programs prepare students for careers in planning, managing and providing technical support services related to generation, transmission and distribution of various types of energy. Examples of careers include technicians, lineworkers, pipelayers and welders.

SECONDARY

ENROLLMENT



TOP HIGH SCHOOL PROGRAMS

1. Energy Technician (358)
2. Energy Generation Technician (68)

TOP MIDDLE SCHOOL PROGRAMS

1. Introduction to Energy (389)
2. Fundamentals of Energy (148)

POSTSECONDARY

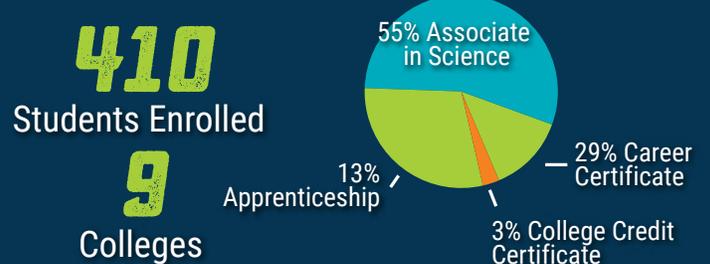
DISTRICT POSTSECONDARY ENROLLMENT



TOP PROGRAMS

1. Electrical Line Service and Repair (APPR) (219)
2. Turbine Generator Maintenance, Inspection and Repair - (CAR) (23)
3. Solar Photovoltaic System Design, Installation and Maintenance - Entry Level - (CAR) (12)
4. Energy Technician - (CAR) (8)

COLLEGE SYSTEM ENROLLMENT



TOP PROGRAMS

1. Electrical Power Technology (AS) (155)
2. Electrical Lineworker (CAR) (119)
3. Energy Management and Controls Technology (AS) (71)
4. Electrical Line Service and Repair (APPR) (52)
5. Energy Engineering Technology (CCC) (11)

2023-24

ENGINEERING & TECHNOLOGY EDUCATION

The Engineering & Technology Education Career Cluster prepares students for careers as engineers and technologists through the introduction of certain processes in mathematics, science and technology. Students learn how to apply mathematics, science and technology concepts to solve problems quantitatively in engineering projects involving design, development or production in various technologies.

SECONDARY

ENROLLMENT

48,772

Students Enrolled in High School Programs



+ 54,063

Students Enrolled in Middle School Programs



= 102,835

= 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST RECF Pre-Engineering Certification

2ND Certified Solidworks Associate-Academic (CSWA-Academic)

3RD RECF Robotics Certification

4TH Engineering Core Certification

5TH Autodesk Certified Professional in Inventor for Mechanical Design

TOP HIGH SCHOOL PROGRAMS

1. Engineering Pathways (18,219)
2. Applied Engineering Technology (7,694)
3. Applied Robotics (6,049)
4. Aerospace Technologies (4,831)
5. Communications Technology (3,019)

ARTICULATION PATHWAY TO COLLEGE

Autodesk Certified Professional - Inventor

Articulates 3 credits

Engineering Technology A.S. Degree

\$320.34 in State College Tuition Savings



Notes: Based on 2023-2024 data.

2023-24 FINANCE

The Finance Career Cluster programs prepare students for careers in financial and investment planning, banking, insurance and business financial management. Finance career opportunities are available in every sector of the economy and require organizational, time management, customer service and communication skills.

SECONDARY

ENROLLMENT

16,907

Students Enrolled in High School Programs



+ 1,287

Students Enrolled in Middle School Programs



= 1,000

= 18,194

TOP HIGH SCHOOL PROGRAMS

1. Finance (11,894)
2. Personal Finance Literacy (4,537)
3. Global Finance (427)

TOP MIDDLE SCHOOL PROGRAMS

1. Introduction to Finance (754)
2. Fundamentals of Finance (304)

POSTSECONDARY

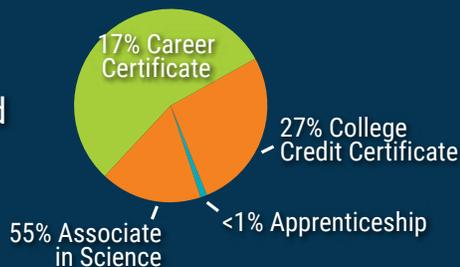
COLLEGE SYSTEM ENROLLMENT

344

Students Enrolled

5

Colleges



TOP PROGRAMS

1. Financial Services (AS) (190)
2. Banking Specialist-Financial Services (CCC) (76)
3. Insurance Claims Adjuster (CAR) (41)
4. Banking Management-Financial Services (CCC) (12)
5. Life Insurance Marketing (CAR) (6)

2023-24

GOVERNMENT & PUBLIC ADMINISTRATION

Students in these programs are preparing to plan, manage and provide public services. This cluster is focused on planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation and regulations.

SECONDARY

ENROLLMENT

4,680

Students Enrolled in High School Programs



+

366

Students Enrolled in Middle School Programs

=

5,046

= 1,000



TOP HIGH SCHOOL PROGRAMS

1. Careers in Public Service (3,806)
2. Emergency Planning and Response (620)
3. Principles of Public Service (524)

POSTSECONDARY

DISTRICT POSTSECONDARY ENROLLMENT

117

Students Enrolled

1

Districts



TOP PROGRAMS

1. Government & Public Administration (CAR) (117)

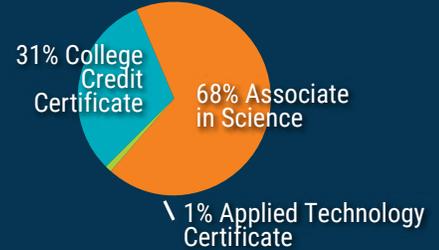
COLLEGE SYSTEM ENROLLMENT

108

Students Enrolled

5

Colleges



TOP PROGRAMS

1. Emergency Administration & Management (AS) (108)
2. Emergency Administrator & Manager (CCC) (34)
3. Homeland Security Emergency Manager (CCC) (16)
4. Emergency Administration & Management (ATC) (2)

2023-24 HEALTH SCIENCE

The Health Science Career Cluster is divided into five pathways: Therapeutic Services, Diagnostic Services, Health Informatics, Support Services and Biotechnology Research & Development. Hundreds of Health Science educational opportunities in a variety of professions are offered throughout the state at the secondary and postsecondary level.

SECONDARY

ENROLLMENT

77,045

Students Enrolled in High School Programs



+ 9,417

Students Enrolled in Middle School Programs



= 86,462

 = 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Certified EKG Technician (CET)

2ND Certified Nursing Assistant (CNA)

3RD Certified Medical Administrative Assistant (CMAA)

4TH Certified Patient Care Technician/Assistant (CPCT/A)

5TH Certified Clinical Medical Assistant (CCMA)

TOP HIGH SCHOOL PROGRAMS

1. Allied Health Assisting (28,587)
2. Medical Skills and Services (10,186)
3. Biomedical Sciences (9,809)
4. Nursing Assistant (Acute & Long-Term Care)(7,750)
5. Emergency Medical Responder (5,174)

ARTICULATION PATHWAY TO COLLEGE

Certified Pharmacy Technician (CPhT)

Articulates 9 credits

Pharmacy Management A.S. Degree

\$961.68 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

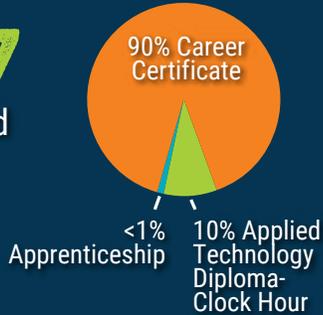
DISTRICT POSTSECONDARY ENROLLMENT

12,227

Students Enrolled

36

Districts



TOP CERTIFICATIONS

1ST
National Licensed Practical Nurse (NCLEX-PN)

2ND
Certified Nursing Assistant (CNA)

3RD
Emergency Medical Technician (EMT)

TOP PROGRAMS

1. Practical Nursing (CAR) (3,577)
2. Medical Assisting (APPR) (1,748)
3. Phlebotomy (CAR) (1,387)
4. Emergency Medical Technician (CAR) (600)
5. Pharmacy Technician (CAR) (563)

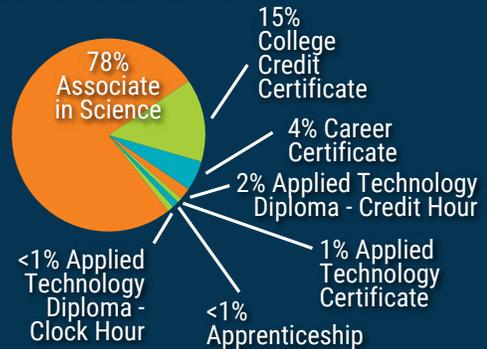
COLLEGE SYSTEM ENROLLMENT

62,530

Students Enrolled

28

Colleges



TOP CERTIFICATIONS

1ST
National Licensed Registered Nurse (NCLEX-RN)

2ND
Emergency Medical Technician (EMT)

3RD
Paramedic (EMT-P)

TOP PROGRAMS

1. Health Navigator (AS) (3,750)
2. Health Services Management (AS) (3,686)
3. Emergency Medical Services (AS) (3,009)
4. Radiography (AS) (2,746)
5. Healthcare Support Specialist (CCC) (2,309)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$34.62
Per Hour Mean Wage

Registered Nurses*

ANNUAL OPENINGS
13,568
Annual Openings

Registered Nurse*

HIGH GROWTH
3.39%
Annual Growth Rate

Physical Therapist Assistants*

* Indicates data sourced from the Florida College System (FCS) Employment Data



Notes: Based on 2023-2024 data.

2023-24

HOSPITALITY & TOURISM

The Hospitality & Tourism Career Cluster programs offer students educational opportunities, training services and related learning support with an emphasis on improving education services. The pathways in this cluster include restaurant and food/beverage services; lodging; travel, tourism and recreation; and amusements & attraction.

SECONDARY

ENROLLMENT

94,347

Students Enrolled in High School Programs



+ 31,743

Students Enrolled in Middle School Programs



= 126,090

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Certified Food Protection Manager (ServSafe®)

2ND Certified Food Safety Manager

3RD Certified Fundamentals Cook (CFC)

TOP HIGH SCHOOL PROGRAMS

1. Culinary Arts (69,645)
2. Hospitality and Tourism Management (10,127)
3. Principles of Food (6,891)
4. Nutrition and Wellness (5,649)
5. Nutrition and Food Science (1,287)

ARTICULATION PATHWAY TO COLLEGE

Certified Culinarian (CC)

Articulates 6 credits

Restaurant Management A.S. Degree

\$640.68 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

3,437
Students Enrolled

23
Districts



TOP CERTIFICATION

1ST
Certified Food Protection Manager (ServSafe®)

2ND
Certified Food Safety Manager

3RD
Certified Fundamentals Cook

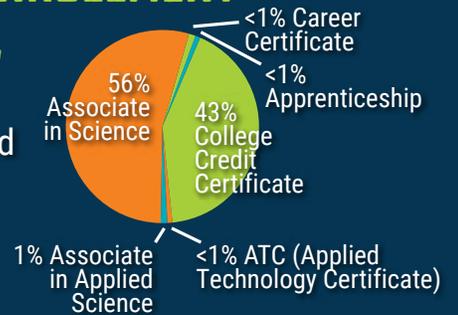
TOP PROGRAMS

1. Professional Culinary Arts & Hospitality (CAR) (1,694)
2. Fundamental Foodservice Skills (CAR) (1,223)
3. Baking and Pastry Arts (CAR) (211)
4. Lodging Operations (CAR) (196)
5. Environmental Services (CAR) (47)

COLLEGE SYSTEM ENROLLMENT

5,615
Students Enrolled

18
Colleges



TOP CERTIFICATION

1ST
Certified Food Protection Manager (ServSafe®)

2ND
Certified Food Safety Manager

3RD
Certified Hospitality Supervisor (CHS)

TOP PROGRAMS

1. Culinary Management (AS) (1,435)
2. Hospitality & Tourism Management (AS) (1,365)
3. Culinary Arts (CCC) (467)
4. Chefs Apprentice (CCC) (311)
5. Baking & Pastry Management (AS) (288)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$35.82
Per Hour Mean Wage
Food Service Managers

ANNUAL OPENINGS
3,684
Annual Openings
Food Service Managers

HIGH GROWTH
1.48%
Annual Growth Rate
Chefs and Head Cooks

2023-24 HUMAN SERVICES

The Human Services career cluster is divided into three pathways: counseling and mental health services; family and community services; and consumer services. Hundreds of human services programs prepare high school and postsecondary students for rewarding careers.

SECONDARY

ENROLLMENT

19,660

Students Enrolled in High School Programs



+ 7,851

Students Enrolled in Middle School Programs



= 27,511

 = 10,000

TOP CERTIFICATION EARNED BY K-12 STUDENTS

1ST NASM Certified Personal Trainer (CPT)

2ND Certified Personal Trainer

TOP HIGH SCHOOL PROGRAMS

1. Cosmetology (8,223)
2. Barbering (1,063)
3. Nails Specialty (909)
4. Facials Specialty (724)
5. Personal Trainer (638)

POSTSECONDARY & EMPLOYMENT

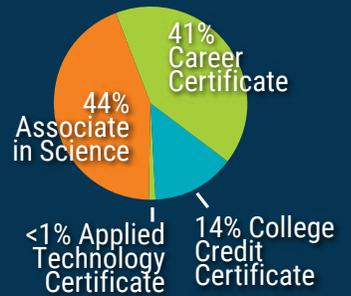
DISTRICT POSTSECONDARY ENROLLMENT

4,249
Students Enrolled
27
Districts



COLLEGE SYSTEM ENROLLMENT

6,003
Students Enrolled
16
Colleges



TOP CERTIFICATION



TOP CERTIFICATION



TOP PROGRAMS

1. Cosmetology (CAR) (2,162)
2. Facials Specialty (CAR) (971)
3. Nails Specialty (CAR) (612)
4. Barbering (CAR) (488)
5. Advanced Esthetics (CAR) (16)

TOP PROGRAMS

1. Social and Human Services (AS) (1,986)
2. Cosmetology (CAR) (1,375)
3. Facials Specialty (CAR) (653)
4. Funeral Services (AS) (636)
5. Human Services Generalist (CCC) (330)

2023-24

INFORMATION TECHNOLOGY

Information technology (IT) is the study of design, development, implementation, support or management of computer-based information systems, particularly software applications and computer hardware. Information technology deals with the use of computers and computer software to convert, store, protect, process, transmit and securely retrieve information.

SECONDARY

ENROLLMENT

77,970

Students Enrolled in High School Programs



+ 64,400

Students Enrolled in Middle School Programs



=

142,370

 = 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

WordPress Certified Editor

2ND

Information Technology Specialist (ITS) - Device Configuration and Management

3RD

Certified Internet Web (CIW) Social Media Strategist

4TH

Information Technology Specialist (ITS) - HTML and CSS

5TH

HTML/CSS Coding Specialist

TOP HIGH SCHOOL PROGRAMS

1. Applied Information Technology (14,980)
2. Computer Science Principles (11,016)
3. Game/Simulation/Animation Visual Design (9,935)
4. Web Development (8,826)
5. Applied Cybersecurity (8,506)

ARTICULATION PATHWAY TO COLLEGE

Cisco Certified Network Associate (CCNA)

Articulates 12 credits

Computer Engineering Technology A.S. Degree

\$1281.36 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

4,451
Students Enrolled

24
Districts



TOP CERTIFICATIONS



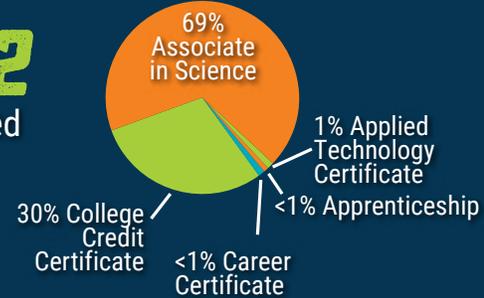
TOP PROGRAMS

1. Computer Systems & Information Technology (CSIT) (CAR) (975)
2. Enterprise Desktop and Mobile Support Technology (CAR) (755)
3. Network Support Services (CAR) (491)
4. Web Development (CAR) (474)
5. Applied Cybersecurity (CAR) (408)

COLLEGE SYSTEM ENROLLMENT

25,322
Students Enrolled

26
Colleges



TOP CERTIFICATIONS



TOP PROGRAMS

1. Computer Programming and Analysis (AS) (4,834)
2. Computer Information Technology (AS) (4,448)
3. Network Systems Technology (AS) (2,923)
4. Cybersecurity (AS) (2,167)
5. IT Security (AS) (1,577)

EMPLOYMENT OUTLOOK



Computer and Information Systems Managers*



Information Security Analysts*



Information Security Analysts*

* Indicates data sourced from the Florida College System (FCS) Employment Data



2023-24

LAW, PUBLIC SAFETY & SECURITY

The Law, Public Safety and Security Career Cluster is divided into five pathways: corrections; emergency and fire management; law enforcement; legal; and security protection. Students in these programs are preparing to plan, manage and provide legal advice, public safety, protective services and homeland security, including professional and technical support services.

SECONDARY

ENROLLMENT

20,998

Students Enrolled in High School Programs



+ 1,715

Students Enrolled in Middle School Programs



= 22,713

= 1,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST 911 Public Safety Telecommunicator

2ND Fire Fighter I

TOP HIGH SCHOOL PROGRAMS

1. Criminal Justice Operations (18,104)
2. Introduction to Fire Fighting (1,323)
3. Crime Scene Technology (370)

ARTICULATION PATHWAY TO COLLEGE

911 Public Safety Telecommunicator

Articulates 3 credits

Criminal Justice Technology A.S. Degree

\$320.34 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

2,704
Students Enrolled

17
Districts



TOP CERTIFICATIONS



TOP PROGRAMS

1. Firefighter (CAR) (642)
2. Florida Law Enforcement Academy (CAR) (613)
3. Firefighter/Emergency Medical Technician-Combined (CAR) (564)
4. Correctional Officer (Traditional Correctional B RTP) (CAR) (405)
5. Firefighter/Emergency Medical Technician-Combined (APPR) (174)

COLLEGE SYSTEM ENROLLMENT

17,625
Students Enrolled

28
Colleges



TOP CERTIFICATIONS



TOP PROGRAMS

1. Criminal Justice Technology (AS) (4,152)
2. Florida Law Enforcement Academy (CAR) (3,199)
3. Paralegal Studies (Legal Assisting) (AS) (2,815)
4. Firefighter (CAR) (1,829)
5. Crime Scene Technology (AS) (1,488)

EMPLOYMENT OUTLOOK



Information Security Analysts*



Paralegals and Legal Assistants*



Information Security Analysts*

* Indicates data sourced from the Florida College System (FCS) Employment Data



Notes: Based on 2023-2024 data.

2023-24

MANUFACTURING

The Manufacturing Career Cluster incorporates six pathways: production; manufacturing production process development; maintenance, installation and repair; quality assurance; logistics and inventory control; and health, safety and environmental assurance. Students prepare for careers that require planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities.

SECONDARY

ENROLLMENT

7,228

Students Enrolled in High School Programs



+ 1,151

Students Enrolled in Middle School Programs



= 8,379

= 1,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Autodesk Certified User - Fusion 360

2ND Biotechnician Assistant

3RD AWS Certified Welder - SMAW Plate

4TH MSSC Certified Production Technician (CPT)

5TH AWS Certified Welder - FCAW Plate

TOP HIGH SCHOOL PROGRAMS

1. Welding Technology Fundamentals (3,819)
2. Advanced Manufacturing Technology (1,603)
3. Industrial Biotechnology (1,277)
4. Machining Technology (390)
5. Manufacturing Directed Study (137)

ARTICULATION PATHWAY TO COLLEGE

MSSC Certified Production Technician (CPT)

Articulates 15 credits

Engineering Technology A.S. Degree

\$1,601.70 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

3,852
Students Enrolled

30
Districts



TOP CERTIFICATIONS

1ST
AWS Certified Welder - SMAW Plate

2ND
AWS Certified Welder - FCAW Plate

3RD
AWS Certified Welder - GMAW Plate

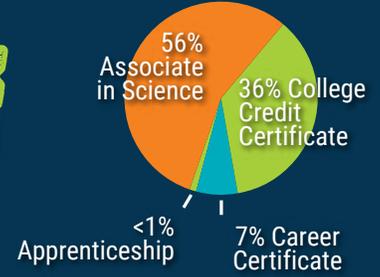
TOP PROGRAMS

1. Welding (CAR) (2,598)
2. Millwright (APPR) (178)
3. Machining Technologies (CAR) (152)
4. Sheet Metal Fabrication Technology (APPR) (147)
5. Machining (APPR) (125)

COLLEGE SYSTEM ENROLLMENT

15,608
Students Enrolled

28
Colleges



TOP CERTIFICATIONS

1ST
AWS Certified Welder - FCAW Plate

2ND
AWS Certified Welder - SMAW Plate

3RD
AWS Certified Welder - GTAW Pipe (Carbon Steel)

TOP PROGRAMS

1. Industry Operations Specialist (CCC) (6,405)
2. Chemical Technology (AS) (2,002)
3. Engineering Technology (AS) (1,982)
4. Welding Technology (CAR) (986)
5. Electronics Engineering Technology (AS) (683)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$47.51
Per Hour Mean Wage

General and Operations Managers*

ANNUAL OPENINGS
1,917
Annual Openings

Welders, Cutters, Solderers and Brazers*

HIGH GROWTH
2.15%
Annual Growth Rate

Industrial Machinery Mechanics

* Indicates data sourced from the Florida College System (FCS) Employment Data

2023-24

MARKETING, SALES & SERVICE

The Marketing, Sales and Service Career Cluster consists of five pathways: marketing management; professional sales; merchandising; marketing communications; and marketing research. Students in high school and postsecondary programs are preparing for careers in planning, managing and performing marketing activities to reach organizational objectives. Some examples of careers include customer service representatives, store managers and public relations managers.

SECONDARY

ENROLLMENT

64,983

Students Enrolled in High School Programs



+ 5,821

Students Enrolled in Middle School Programs



 = 10,000

=

70,804

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

Entrepreneurship & Small Business

2ND

Master Entrepreneurship Certification

TOP HIGH SCHOOL PROGRAMS

1. Entrepreneurship (22,756)
2. Marketing, Management and Entrepreneurial Principles (19,174)
3. Customer Service Representative (7,017)
4. Sport, Recreation, and Entertainment Marketing (5,843)
5. Business Ownership (4,850)

ARTICULATION PATHWAY TO COLLEGE

Apple Certified Pro (ACP) - Final Cut Pro X

Articulates 8 credits

Radio and Television Broadcasting A.A. Degree

\$854.24 in State College Tuition Savings

POSTSECONDARY

DISTRICT POSTSECONDARY ENROLLMENT

7

Students Enrolled

1

District



TOP CERTIFICATIONS



TOP PROGRAM

1. Distribution and Logistics Management (CAR) (7)

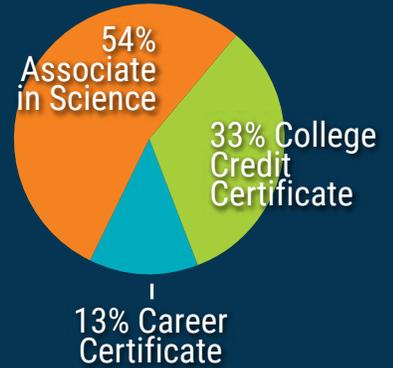
COLLEGE SYSTEM ENROLLMENT

1,875

Students Enrolled

10

Colleges



TOP PROGRAMS

1. Marketing Management (AS) (883)
2. Digital Marketing Management (CCC) (236)
3. Real Estate Sales Agent (CAR) (229)
4. Entrepreneurship (CCC) (203)
5. Fashion Merchandising (AS) (133)

EMPLOYMENT OUTLOOK



Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products



First-Line Supervisors of Retail Sales Workers*



Marketing Managers*

* Indicates data sourced from the Florida College System (FCS) Employment Data



2023-24

TRANSPORTATION, DISTRIBUTION & LOGISTICS

The Transportation, Distribution and Logistics Career Cluster consists of planning, management and movement of people, materials and goods by road, pipeline, air, rail and water. These programs also contain related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

SECONDARY

ENROLLMENT

16,478

Students Enrolled in High School Programs



+

31

Students Enrolled in Middle School Programs



=

16,509

= 1,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST ASE Entry-level - Auto: Electrical/Electronic Systems (EE)

2ND ASE Entry-level - Auto: Engine Repair

3RD ASE Entry-level - Auto: Brakes (BR)

4TH ASE Entry-level - Auto: Suspension and Steering (SS)

5TH ASE Entry-level - Auto: Heating and Air Conditioning (AC)

TOP HIGH SCHOOL PROGRAMS

1. Automotive Maintenance & Light Repair (10,464)
2. Global Logistics & Supply Chain Technology (1,176)
3. Automotive Collision Technology (1,085)
4. Unmanned Aircraft Systems (UAS) Operations (991)
5. Outboard Marine Service Technology (910)

ARTICULATION PATHWAY TO COLLEGE

FAA Aviation Mechanic Technician - Airframe

Articulates 36 credits

Aviation Maintenance Management A.S. Degree

\$3,844.08 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

8,786
Students Enrolled

34
Districts



TOP CERTIFICATIONS

1ST
FAA Aviation Maintenance Technician - General

2ND
Class A Commercial Driver's License (CDL)

3RD
ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)

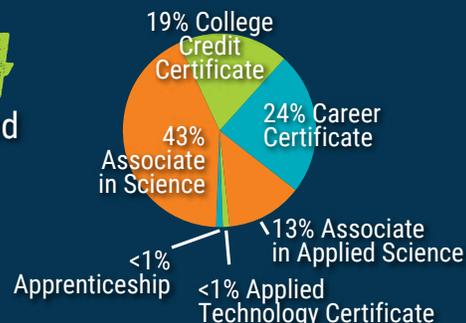
TOP PROGRAMS

1. Automotive Service Technology (CAR) (3,109)
2. Aviation Airframe Mechanics (CAR) (1,210)
3. Aviation Powerplant Mechanics (CAR) (995)
4. Commercial Vehicle Driving (CAR) (632)
5. Marine Service Technologies (CAR) (391)

COLLEGE SYSTEM ENROLLMENT

5,844
Students Enrolled

23
Colleges



TOP CERTIFICATIONS

1ST
Commercial Driver License (CDL)

2ND
FAA Aviation Mechanic Technician - Airframe

3RD
FAA Aviation Maintenance Technician - General

TOP PROGRAMS

1. Professional Pilot Technology (AS) (986)
2. Aviation Maintenance Management (AS) (642)
3. Automotive Service Management Technology (AAS) (629)
4. Automotive Service Technology (CAR) (503)
5. Commercial Vehicle Driving (CAR) (425)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$52.69
Per Hour Mean Wage

Commercial Pilots*

ANNUAL OPENINGS
13,002
Annual Openings

Heavy and Tractor-Trailer Truck Drivers

HIGH GROWTH
1.47%
Annual Growth Rate

Logisticians

* Indicates data sourced from the Florida College System (FCS) Employment Data