

2022-23

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 agritechnology, animal science, plant science, food products & processing and environmental science.

SECONDARY

ENROLLMENT

61,020

Enrollments in High School Programs



+ 34,929

Enrollments in Middle School Programs



= 10,000

=

95,949

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Agriculture Associate Certification	2ND Agriculture Systems Associate Certification	3RD Agritechnology Specialist Certification
	4TH Animal Science Specialist Certification	5TH Certified Veterinary Assistant

TOP HIGH SCHOOL PROGRAMS

1. Agritechnology (19,782)
2. Veterinary Assisting (10,519)
3. Introduction to Animal Science (10,187)
4. Animal Science and Services (9,563)
5. Horticulture Science and Services (6,454)

ARTICULATION PATHWAY TO COLLEGE

Certified Horticulture Professional

Articulates 6 credits

Landscape & Horticulture Technology A.S. Degree

\$641.16 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

655
Enrollment

7
Districts



TOP CERTIFICATIONS

1ST
Certified
Veterinary
Assistant

2ND
Certified
Horticultural
Professional

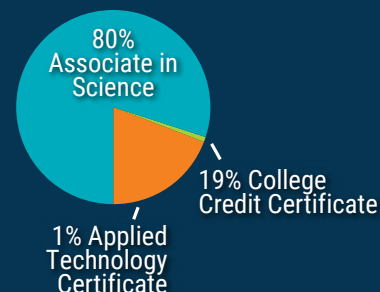
TOP PROGRAM

1. Veterinary Assisting (CAR) (610)
2. Nursery Management (CAR) (23)
3. Landscape & Turf Management (CAR) (16)
4. Service Animal Trainer (APPR) (6)

COLLEGE SYSTEM ENROLLMENT

2,916
Enrollment

16
Colleges



TOP CERTIFICATION

1ST
Veterinary
Technician

TOP PROGRAMS

1. Veterinary Technology (AS) (917)
2. Environmental Science Technology (AS) (507)
3. Landscape & Horticulture Technology (AS) (354)
4. Zoo Animal Technology (AS) (130)
5. Agribusiness Management (AS) (128)

EMPLOYMENT OUTLOOK

HIGH WAGE
\$23.97
Per Hour Mean Wage

First-Line Supervising Landscaping &
Groundskeeping Workers

ANNUAL OPENINGS
1,754
Annual Openings

First-Line Supervising Landscaping &
Groundskeeping Workers

2022-23

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

23,087

Enrollments in High School Programs



+

2,650

Enrollments in Middle School Programs



=

25,737



= 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST HBI Preapprenticeship Certificate Training (PACT), Core	2ND Autodesk Certified User - AutoCAD	3RD Autodesk Certified User - Inventor
	4TH Autodesk Certified User - Revit Architecture	5TH HBI Pre-Apprenticeship Certificate Training (PACT), Core Green

TOP HIGH SCHOOL PROGRAMS

1. Building Trades/Construction (8,456)
2. Building Construction Technologies (5,170)
3. Carpentry (2,029)
4. Drafting (1,954)
5. Introduction to Architecture & Construction (1,594)

ARTICULATION PATHWAY TO COLLEGE

Autodesk Certified User - Revit Architecture

Articulates 3 credits

Computer-Aided Drafting and Design A.S. Degree

\$320.58 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

18,293

Enrollment

34

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) (4,628)
2. Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) (CAR) (4,003)
3. Electricity (CAR) (2,350)
4. Plumbing Technology (APPR) (1,217)
5. Air Conditioning, Refrigeration and Heating Technology (APPR) (1,021)

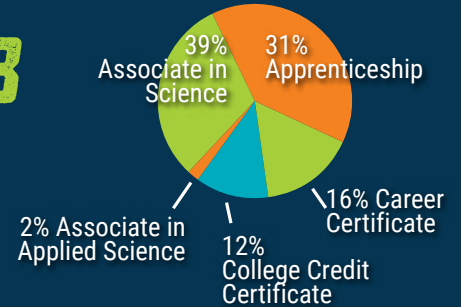
COLLEGE SYSTEM ENROLLMENT

5,878

Enrollment

23

Colleges



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) (995)
2. Building Construction Technology (AS) (851)
3. Architectural Design & Construction Technology (AS) (671)
4. Heating, Ventilation, Air-Conditioning Refrigeration (HVAC/R) (CAR) (669)
5. Computer-Aided Drafting and Design (CCC) (345)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$22.06

Per Hour Mean Wage

Electricians

ANNUAL OPENINGS

6,614

Annual Openings

Carpenters

HIGH GROWTH

1.91%

Annual Growth Rate

Structural Iron and Steel Workers

2022-23

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

Enrollments in High School Programs



+

20,214

Enrollments in Middle School Programs



= **157,384**

 = 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Adobe Certified Professional in Visual Design	2ND Adobe Certified Professional in Video Design	3RD Toon Boom Certified Associate (Storyboard Pro)
	4TH Adobe Certified Professional in Web Design	5TH Toon Boom Certified Associate (Harmony Premium)

TOP HIGH SCHOOL PROGRAMS

1. Digital Design (64,043)
2. Digital Media/Multimedia Design (18,898)
3. Digital Video Technology (16,552)
4. Television Production Technology (14,960)
5. Introduction to Arts, A/V Technology and Communication (8,118)

ARTICULATION PATHWAY TO COLLEGE

Adobe Certified Professional in Video Design

Articulates 4 credits

Radio and Television Broadcast Programming A.S. Degree

\$427.44 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

3,994

Enrollment

14

Districts

100% Career Certificate

TOP CERTIFICATION

1ST

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

2ND

Adobe Certified Associate (ACA) - Illustrator

3RD

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

TOP PROGRAMS

1. Digital Video Technology (CAR) (848)
2. Digital Media/Multimedia Design (CAR) (820)
3. Digital Photography Technology (CAR) (702)
4. Digital Design (CAR) (531)
5. 3 D Animation Technology (CAR) (359)

COLLEGE SYSTEM ENROLLMENT

12,289

Enrollment

25

Colleges

72% Associate in Science

28% College Credit Certificate

TOP CERTIFICATION

1ST

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

2ND

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

TOP PROGRAMS

1. Graphics Technology (AS) (2,049)
2. Digital Media/Multimedia Technology (AS) (1,790)
3. Music and Sound Production Technology (AS) (1,350)
4. Film Production Technology (AS) (1,117)
5. Interior Design Technology (AS) (781)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$24.81

Per Hour Mean Wage

Graphic Designers

ANNUAL OPENINGS

1,759

Annual Openings

Graphic Designers

HIGH GROWTH

3.63%

Annual Growth Rate

Audio and Video Technicians

2022-23

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

50,740

Enrollments in High School Programs



+ 72,959

Enrollments in Middle School Programs



= 10,000

= 123,699

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

Quickbooks Certified User

2ND

PMI Project Management Ready

3RD

Accredited Legal Professional (ALP)

TOP HIGH SCHOOL PROGRAMS

1. Computer Applications in Business 1 (24,307)
2. Business Management and Analysis (22,537)
3. Business Keyboarding (13,738)
4. Computer Applications in Business 2 (12,741)
5. Computer Applications in Business 1 and Career Planning (8,710)

ARTICULATION PATHWAY TO COLLEGE

PMI Project Management Ready

Articulates 3 credits

Technology Project Management

\$320.58 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

2,687

Enrollment

19

Districts

100% Career
Certificate

TOP CERTIFICATION

1ST

Quickbooks
Certified User

TOP PROGRAMS

1. Accounting Operations (CAR) (1,015)
2. Medical Administrative Specialist (CAR) (552)
3. Business Management and Analysis (CAR) (538)
4. Administrative Office Specialist (CAR) (330)
5. Legal Administrative Specialist (CAR) (173)

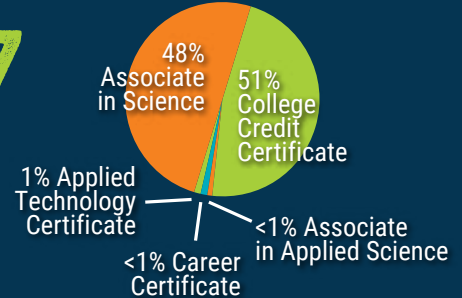
COLLEGE SYSTEM ENROLLMENT

31,947

Enrollment

28

Colleges



TOP CERTIFICATION

1ST

Quickbooks
Certified User

TOP PROGRAMS

1. Business Administration (AS) (11,455)
2. Business Specialist (CCC) (5,564)
3. Accounting Technology (AS) (2,508)
4. Business Operations (CCC) (2,433)
5. Business Management (CCC) (2,261)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$20.36

Per Hour Mean Wage

Bookkeeping, Accounting and
Auditing Clerks

ANNUAL OPENINGS

14,755

Annual Openings

General and Operations Managers

HIGH GROWTH

1.92%

Annual Growth Rate

General and Operations Managers

2022-23

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

Enrollments in High School Programs



+ 1,526

Enrollments 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 (18,450)
2. Principles of Teaching (6,834)
3. Child Development (1,348)
4. Education and Training Directed Study (541)
5. Education and Training Cooperative Education-OJT (33)

ARTICULATION PATHWAY TO COLLEGE

PMI Project Management Ready

Articulates 3 credits

Technology Project Management

\$320.58 in State College Tuition Savings

POSTSECONDARY

DISTRICT POSTSECONDARY ENROLLMENT

2,631
Enrollment
12
Districts



TOP CERTIFICATION

1ST
Child Development Associate (CDA)

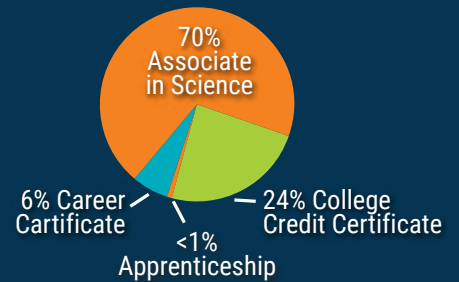
2ND
Early Childhood Professional Certificate (ECPC)

TOP PROGRAMS

1. Early Childhood Education (CAR) (1,664)
2. Early Childhood Education (APPR) (457)
3. Child Care Center Operations (CAR) (354)
4. Principles of Teaching (CAR) (82)
5. School Age Professional Certificate (CAR) (74)

COLLEGE SYSTEM ENROLLMENT

5,280
Enrollment
22
Colleges



TOP CERTIFICATION

1ST
Florida Teacher Certification Examinations (FTCE)

TOP PROGRAMS

1. Early Childhood Education (AS) (2,843)
2. Early Childhood Management (AS) (476)
3. Preschool Specialization (CCC) (376)
4. Child Care Center Management Specialization (336)
5. Early Childhood Education (CAR) (265)

2022-23 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

386

Enrollments in High School Programs



+

436

Enrollments in Middle School Programs



= 100

822

TOP HIGH SCHOOL PROGRAMS

1. Energy Technician (295)
2. Energy Generation Technician (91)

TOP MIDDLE SCHOOL PROGRAMS

1. Introduction to Energy (242)
2. Fundamentals of Energy (162)

POSTSECONDARY

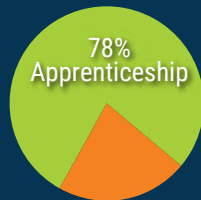
DISTRICT POSTSECONDARY ENROLLMENT

291

Enrollment

5

Districts



22% Career Certificate

TOP PROGRAMS

1. Electrical Line Service and Repair (APPR) (226)
2. Solar Photovoltaic System Design, Installation and Maintenance - Entry Level - (CAR) (30)
3. Turbine Generator Maintenance, Inspection and Repair - (CAR) (29)
4. Energy Technician - (CAR) (6)

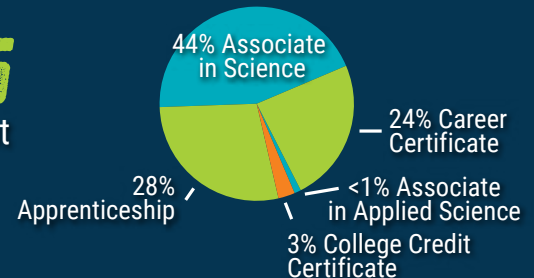
COLLEGE SYSTEM ENROLLMENT

455

Enrollment

9

Colleges



TOP PROGRAMS

1. Electrical Power Technology (AS) (129)
2. Electrical Line Service and Repair (APPR) (129)
3. Electrical Lineworker (CAR) (111)
4. Energy Management and Controls Technology (AS) (69)
5. Energy Engineering Technology (CCC) (10)

2022-23

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

47,148

Enrollments in High School Programs



+ 58,353

Enrollments in Middle School Programs



= 105,501



= 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 - Inventor

TOP MIDDLE SCHOOL PROGRAMS

1. Integrated Technology Studies (36,147)
2. Integrated Technology Studies and Career Planning (19,492)

TOP HIGH SCHOOL PROGRAMS

1. Engineering Pathways (18,285)
2. Applied Engineering Technology (7,058)
3. Applied Robotics (6,380)

ARTICULATION PATHWAY TO COLLEGE

Autodesk Certified Professional - Inventor

Articulates 3 credits

Engineering Technology

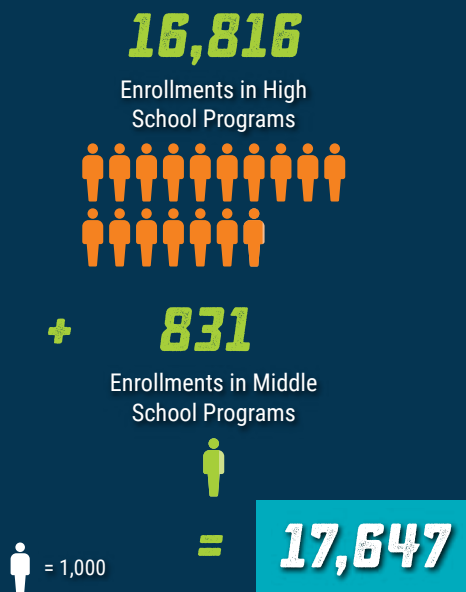
\$320.58 in State College Tuition Savings

2022-23 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



TOP HIGH SCHOOL PROGRAMS

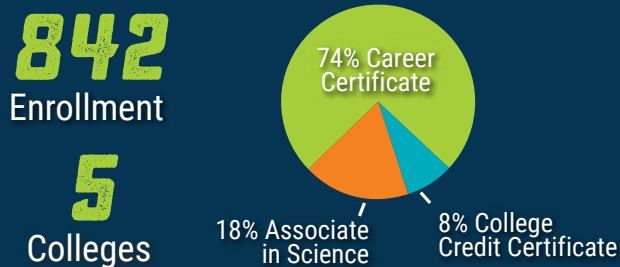
1. Finance (12,758)
2. Personal and Family Finance (3,598)
3. Global Finance (440)

TOP MIDDLE SCHOOL PROGRAMS

1. Intro to Finance (529)
2. Fundamentals of Finance (206)

POSTSECONDARY

COLLEGE SYSTEM ENROLLMENT



TOP PROGRAMS

1. Insurance Claims Adjuster (CAR) (460)
2. Financial Services (AS) (152)
3. Insurance Customer Service Representative (CAR) (95)
4. Banking Specialist-Financial Services (CCC) (47)
5. Property Adjuster Estimating (CAR) (19)

2022-23

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 & taxation and regulations.

SECONDARY

ENROLLMENT

1,016

Enrollments in High School Programs



+

245

Enrollments in Middle School Programs



=

1,261

TOP HIGH SCHOOL PROGRAMS

1. Principles of Public Service (539)
2. Emergency Planning and Response (477)
3. Introduction to Government and Public Administration (241)
4. Fundamentals of Government and Public Administration (4)

POSTSECONDARY

DISTRICT POSTSECONDARY ENROLLMENT

135

Enrollment

1

Districts



TOP PROGRAMS

1. Government & Public Administration (CAR) (135)

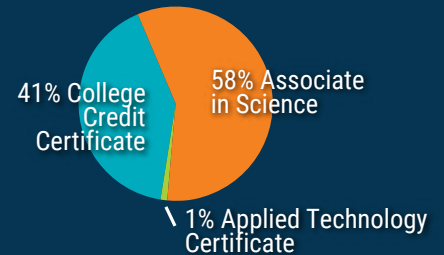
COLLEGE SYSTEM ENROLLMENT

139

Enrollment

4

Colleges



TOP PROGRAMS

1. Emergency Administration & Management (AS) (81)
2. Emergency Administrator & Manager (CCC) (32)
3. Homeland Security Emergency Manager (CCC) (25)
4. Emergency Administration & Management (ATC) (1)

2022-23 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

75,953

Enrollments in High School Programs



+ 9,686

Enrollments in Middle School Programs



= 10,000

=

85,639

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

Certified EKG Technician (CET)

2ND

Certified Medical Administrative Assistant (CMAA)

3RD

Certified Nursing Assistant (CNA)

4TH

Certified Patient Care Technician (CPCT)

5TH

Certified Phlebotomy Technician (CPT)

TOP HIGH SCHOOL PROGRAMS

1. Allied Health Assisting (27,593)
2. Medical Skills and Services (10,502)
3. Biomedical Sciences (9,454)
4. Nursing Assistant (Acute & Long-Term Care)(7,099)
5. Emergency Medical Responder (5,166)

ARTICULATION PATHWAY TO COLLEGE

National Licensed Practical Nurse (NCLEX-PN)

Articulates 10 credits

Nursing R.N. A.S. Degree

\$1,068.60 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

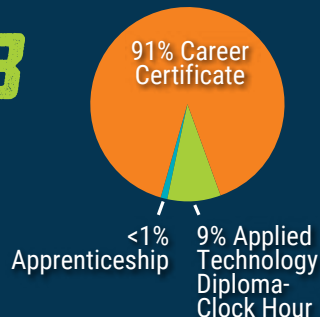
DISTRICT POSTSECONDARY ENROLLMENT

26,383

Enrollment

36

Districts



TOP CERTIFICATIONS

1ST

National Licensed
Practical Nurse
(NCLEX-PN)

2ND

Certified Nursing
Assistant (CNA)

3RD

Certified Phlebotomy
Technician (CPT)

TOP PROGRAMS

1. Practical Nursing (CAR) (8,383)
2. Medical Assisting (APPR) (5,266)
3. Phlebotomy (CAR) (1,682)
4. Pharmacy Technician (CAR) (1,391)
5. Surgical Technology (CAR) (1,084)

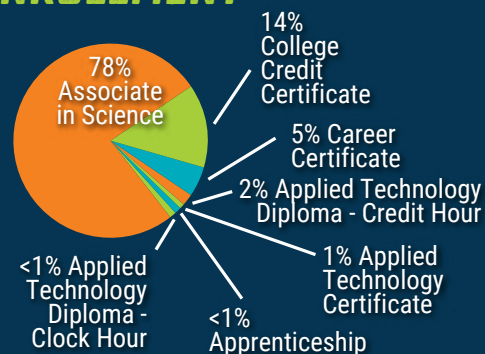
COLLEGE SYSTEM ENROLLMENT

50,187

Enrollment

28

Colleges



TOP CERTIFICATIONS

1ST

National Licensed
Registered
Nurse (NCLEX-RN)

2ND

Emergency Medical
Technician
(EMT)

3RD

Paramedic (EMT-P)

TOP PROGRAMS

1. Practical Nursing (CAR) (8,383)
2. Health Services Management (AS) (3,621)
3. Emergency Medical Services (AS) (2,781)
4. Health Navigator (AS) (2,168)
5. Radiography (AS) (2,096)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$33.42

Per Hour Mean Wage

Registered Nurses*

ANNUAL OPENINGS

4,214

Annual Openings

Licensed Practical and Licensed
Vocational Nurses

HIGH GROWTH

3.82%

Annual Growth Rate

Physical Therapist Assistants*

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

2022-23

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 & recreation; and amusements & attraction.

SECONDARY

ENROLLMENT

92,355

Enrollments in High School Programs



+ 30,975

Enrollments in Middle School Programs



 = 10,000

= 123,330

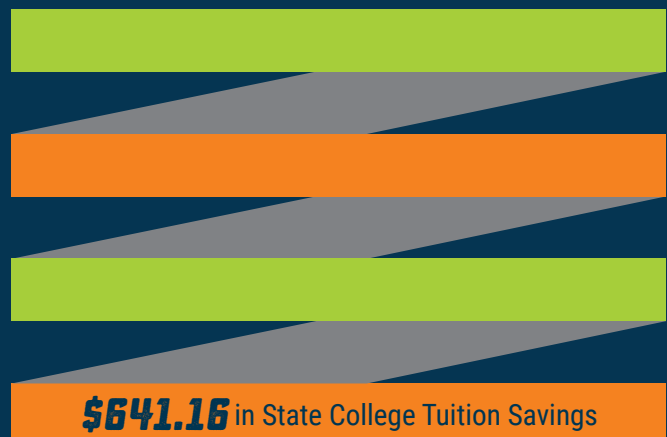
TOP CERTIFICATIONS EARNED BY K-12 STUDENTS



TOP HIGH SCHOOL PROGRAMS

1. Culinary Arts (67,704)
2. Hospitality and Tourism Management (9,672)
3. Principles of Food (7,110)
4. Nutrition and Wellness (5,251)
5. Nutrition and Food Science (1,853)

ARTICULATION PATHWAY TO COLLEGE



POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

4,530

Enrollment

23

Districts

100% Career Certificate

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) (2,687)
2. Fundamental Foodservice Skills (CAR) (1,142)
3. Baking and Pastry Arts (CAR) (283)
4. Aviation Powerplant Mechanics (CAR) (1,309)
5. Lodging Operations (CAR) (121)

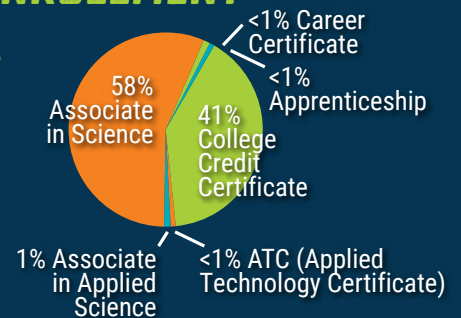
COLLEGE SYSTEM ENROLLMENT

5,170

Enrollment

17

Colleges



TOP CERTIFICATION

1ST

Certified Food Protection Manager (ServSafe®)

2ND

Certified Hospitality Supervisor (CHS)

TOP PROGRAMS

1. Culinary Management (AS) (1,353)
2. Hospitality & Tourism Management (AS) (1,263)
3. Culinary Arts (CCC) (413)
4. Baking & Pastry Management (AS) (311)
5. Guest Services Specialist (CCC) (275)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$31.72

Per Hour Mean Wage

Lodging Managers

ANNUAL OPENINGS

3,364

Annual Openings

Food Service Managers

HIGH GROWTH

2.90%

Annual Growth Rate

Chefs and Head Cooks

2022-23 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

18,936

Enrollments in High
School Programs



+

9,619

Enrollments in Middle
School Programs



=

28,555

 = 10,000

TOP CERTIFICATION EARNED BY K-12 STUDENTS

1ST

NASM Certified
Personal Trainer (CPT)

TOP HIGH SCHOOL PROGRAMS

1. Cosmetology (7,735)
2. Parenting Skills (5,316)
3. Family and Consumer Science (FACS) Essentials (2,392)
4. Nails Specialty (1,131)
5. Barbering (959)

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

7,715

Enrollment

27

Districts

100% Career Certificate

TOP CERTIFICATION

1ST

Facial Specialist

2ND

Cosmetologist

3RD

Nail Specialist

TOP PROGRAMS

1. Cosmetology (CAR) (5,059)
2. Barbering (CAR) (1,063)
3. Facials Specialty (CAR) (1,022)
4. Nails Specialty (CAR) (505)
5. Advanced Esthetics (CAR) (66)

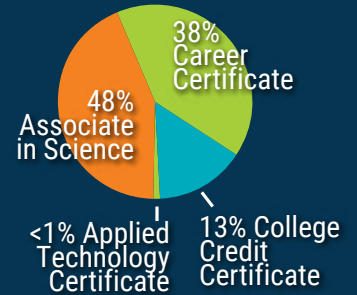
COLLEGE SYSTEM ENROLLMENT

5,348

Enrollment

15

Colleges



TOP CERTIFICATION

1ST

Cosmetologist

2ND

Facial Specialist

3RD

Barber

TOP PROGRAMS

1. Social and Human Services (AS) (1,897)
2. Cosmetology (CAR) (1,167)
3. Funeral Services (AS) (664)
4. Facials Specialty (CAR) (555)
5. Human Services Generalist (CCC) (254)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$19.09

Per Hour Mean Wage

Social and Human Service Assistants*

ANNUAL OPENINGS

1,660

Annual Openings

Social and Human Service Assistants*

HIGH GROWTH

2.01%

Annual Growth Rate

Social and Human Service Assistants*

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

2022-23

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

83,489

Enrollments in High School Programs



+ 17,670

Enrollments in Middle School Programs



=

101,159



= 10,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

WordPress Certified Editor

2ND

Certified Internet Web (CIW) Social Media Strategist

3RD

Information Technology Specialist (ITS) - HTML and CSS

4TH

Information Technology Specialist (ITS) - Device Configuration and Management

5TH

CompTIA IT Fundamentals+

TOP HIGH SCHOOL PROGRAMS

1. Applied Information Technology (16,647)
2. Computer Science Principles (10,723)
3. Web Development (9,289)
4. Game/Simulation/Animation Visual Design (9,229)
5. Applied Cybersecurity (8,847)

ARTICULATION PATHWAY TO COLLEGE

Cisco Certified Network Associate (CCNA)

Articulates 12 credits

Computer Engineering Technology

\$1282.32 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

8,359

Enrollment

25

Districts



TOP CERTIFICATIONS

1ST

CompTIA A+

2ND

CompTIA Network+

3RD

CompTIA Security+

TOP PROGRAMS

1. Computer Systems & Information Technology (CAR) (1,988)
2. Network Support Services (CAR) (1,292)
3. Enterprise Desktop and Mobile Support Technology (CAR) (1,239)
4. Web Development (CAR) (1,011)
5. Applied Cybersecurity (CAR) (459)

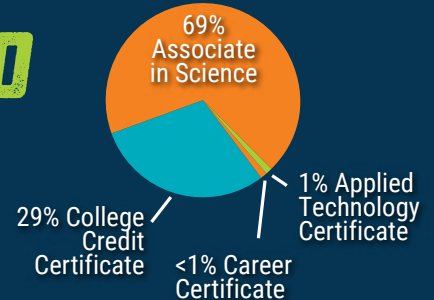
COLLEGE SYSTEM ENROLLMENT

21,680

Enrollment

26

Colleges



TOP CERTIFICATIONS

1ST

CompTIA Security+

2ND

CompTIA Project+

3RD

AWS Certified Cloud Practitioner

TOP PROGRAMS

1. Computer Programming and Analysis (AS) (4,376)
2. Computer Information Technology (AS) (4,149)
3. Network Systems Technology (AS) (2,502)
4. Cybersecurity (AS) (1,603)
5. IT Security (AS) (1,348)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$47.47

Per Hour Mean Wage

Software Developers, Applications

ANNUAL OPENINGS

3,952

Annual Openings

Software Developers, Applications

HIGH GROWTH

4.93%

Annual Growth Rate

Information Security Analysts

2022-23

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

20,522

Enrollments in High School Programs



+


1,715

Enrollments in Middle School Programs



=

22,237

 = 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 (18,083)
2. Introduction to Fire Fighting (1,491)
3. Public Safety Telecommunication (654)
4. Law, Public Safety and Security Education Directed Study (229)
5. Crime Scene Technology (33)

ARTICULATION PATHWAY TO COLLEGE

911 Public Safety Telecommunicator

Articulates 3 credits

Criminal Justice Technology A.S. Degree

\$320.58 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

18,584

Enrollment

17

Districts



TOP CERTIFICATIONS

1ST

Law Enforcement Officer

2ND

Fire Fighter II

3RD

Correctional Officer

TOP PROGRAMS

1. Florida Law Enforcement Academy (CAR) (10,375)
2. Correctional Officer (CAR) (4,101)
3. Crossover from Correctional Officer to Law Enforcement Officer (CAR) (1,836)
4. Fire Fighter (CAR) (1,040)
5. Fire Fighter/Emergency Medical Technician (APPR) (852)

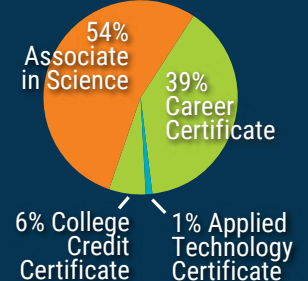
COLLEGE SYSTEM ENROLLMENT

17,625

Enrollment

28

Colleges



TOP CERTIFICATIONS

1ST

Law Enforcement Officer

2ND

Fire Fighter II

3RD

Correctional Officer

TOP PROGRAMS

1. Criminal Justice Technology (AS) (4,113)
2. Florida Law Enforcement Academy (CAR) (2,698)
3. Paralegal Studies (Legal Assisting) (AS) (2,694)
4. Firefighter (CAR) (1,500)
5. Fire Science Technology (AS) (1,308)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$33.00

Per Hour Mean Wage

Compliance Officers*

ANNUAL OPENINGS

3,295

Annual Openings

Police and Sheriff's Patrol Officers

HIGH GROWTH

1.95%

Annual Growth Rate

Paralegals and Legal Assistants*

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

2022-23 MANUFACTURING

The Manufacturing Career Cluster incorporates six pathways: production; manufacturing production process development; maintenance, installation & repair; quality assurance; logistics and inventory control, and health, safety & 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

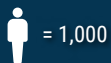
7,819

Enrollments in High School Programs



+ 1,253

Enrollments in Middle School Programs



= 1,000

=

9,072

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 (3,908)
2. Advanced Manufacturing Technology (1,959)
3. Industrial Biotechnology (1,400)
4. Machining Technology (429)
5. Manufacturing Directed Study (102)

ARTICULATION PATHWAY TO COLLEGE

MSSC Certified Production Technician (CPT)

Articulates 15 credits

Engineering Technology A.S. Degree

\$1,602.90 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

8,403

Enrollment

31

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) (6,440)
2. Machining Technologies (CAR) (250)
3. Major Appliance and Refrigeration
4. Advanced Manufacturing and Production Technology (169)
5. Millwright (APPR) (167)

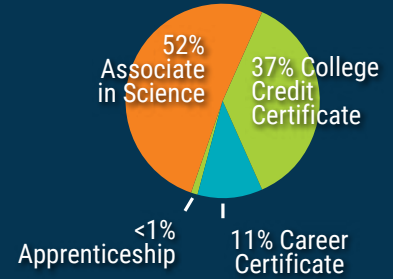
COLLEGE SYSTEM ENROLLMENT

9,257

Enrollment

28

Colleges



TOP CERTIFICATIONS

1ST

AWS Certified
Welder - FCAW
Plate

2ND

AWS Certified
Welder - SMAW
Plate

3RD

NCCER Welding -
Level 1
(Postsecondary)

TOP PROGRAMS

1. Engineering Technology (AS) (1,890)
2. Industry Operations Specialist (CCC) (1,509)
3. Chemical Technology (AS) (1,299)
4. Welding Technology (CAR) (915)
5. Electronics Engineering Technology (AS) (692)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$51.80

Per Hour Mean Wage

General and Operations Managers*

ANNUAL OPENINGS

1,920

Annual Openings

Industrial Machinery Mechanics

HIGH GROWTH

2.37%

Annual Growth Rate

Industrial Machinery Mechanics

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

2022-23

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

49,668

Enrollments in High School Programs



+

4,849

Enrollments in Middle School Programs



= 10,000

=

54,517

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

Entrepreneurship & Small Business

2ND

Master Entrepreneurship Certification

TOP HIGH SCHOOL PROGRAMS

1. Marketing, Management and Entrepreneurial Principles (17,336)
2. Entrepreneurship (13,461)
3. Customer Service Representative (6,434)
4. Sport, Recreation, and Entertainment Marketing (4,235)
5. Fashion Marketing (3,705)

ARTICULATION PATHWAY TO COLLEGE

Entrepreneurship & Small Business

Articulates 3 credits

Business Administration

\$320.58 in State College Tuition Savings

POSTSECONDARY

DISTRICT POSTSECONDARY ENROLLMENT

25
Enrollment
2
Colleges



TOP CERTIFICATION

1ST
Entrepreneurship
& Small Business

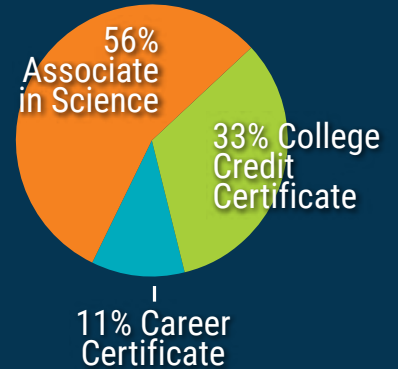
2ND
Master
Entrepreneurship

TOP PROGRAMS

1. Distribution and Logistics Management (16)
2. Marketing, Management and Entrepreneurial Principles (9)

COLLEGE SYSTEM ENROLLMENT

1,628
Enrollment
12
Colleges



TOP PROGRAMS

1. Marketing Management (AS) (781)
2. Entrepreneurship (CCC) (251)
3. Real Estate Sales Agent (CAR) (174)
4. Digital Marketing Management (CCC) (143)
5. Fashion Merchandising (AS) (133)

2022-23

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

16,556

Enrollments in High School Programs



+


380

Enrollments in Middle School Programs



=

16,936

 = 1,000

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST Small UAS Safety Certification	2ND ASE Entry-level - Auto: Electrical/Electronic Systems (EE)	3RD ASE Entry-level - Auto: Brakes (BR)
	4TH ASE Entry-level - Auto: Heating and Air Conditioning (AC)	5TH ASE Entry-level - Auto: Engine Repair (ER)

TOP HIGH SCHOOL PROGRAMS

1. Automotive Maintenance & Light Repair (10,626)
2. Automotive Collision Technology (1,255)
3. Global Logistics & Supply Chain Technology (1,039)
4. Outboard Marine Service Technology (1,014)
5. Unmanned Aircraft Systems (UAS) Operations (821)

ARTICULATION PATHWAY TO COLLEGE

FAA Aviation Mechanic Technician - Airframe

Articulates 36 credits

Aviation Maintenance Management

\$3,846.96 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

17,532

Enrollment

33

Districts



TOP CERTIFICATIONS

1ST

FAA Aviation
Maintenance
Technician - General

2ND

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

3RD

ASE Automobile/Light
Truck Technician:
Brakes (A5)

TOP PROGRAMS

1. Automotive Service Technology (CAR) (7,951)
2. Aviation Airframe Mechanics (CAR) (1,570)
3. Automotive Collision Technology Technician (CAR) (1,358)
4. Aviation Powerplant Mechanics (CAR) (1,309)
5. Marine Service Technologies (CAR) (1,113)

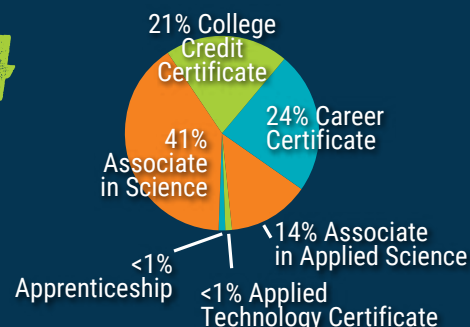
COLLEGE SYSTEM ENROLLMENT

5,844

Enrollment

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) (843)
2. Automotive Service Management Technology (AAS) (635)
3. Commercial Vehicle Driving (CAR) (622)
4. Aviation Maintenance Management (AS) (579)
5. Automotive Service Technology (CAR) (413)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$60.80

Per Hour Mean Wage

Commercial Pilots*

ANNUAL OPENINGS

2,593

Annual Openings

Operating Engineers and Other
Construction Equipment Operators

HIGH GROWTH

2.86%

Annual Growth Rate

Aircraft Mechanics and Service
Technicians

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