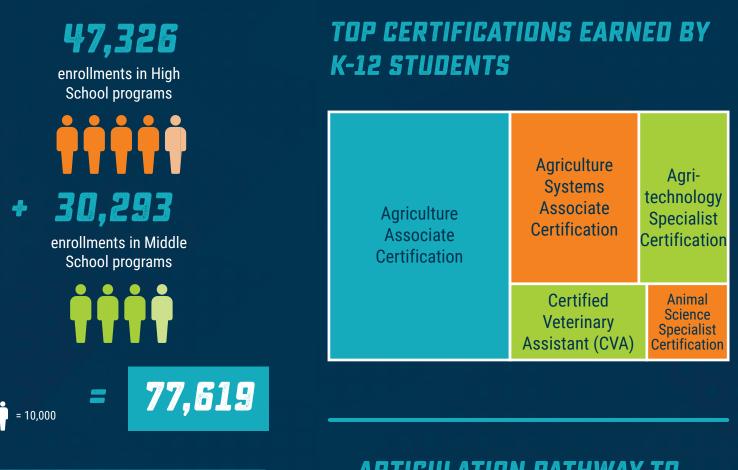


AGRICULTURE, FOOD & NATURAL RESOURCES

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.

2019-20



TOP HIGH SCHOOL PROGRAMS

Agritechnology (14,866)

Veterinary Assisting (8,248)

Animal Science & Services (7,006)

Agricultural Communications (2,898)

Horticultural Science & Services (2,671)

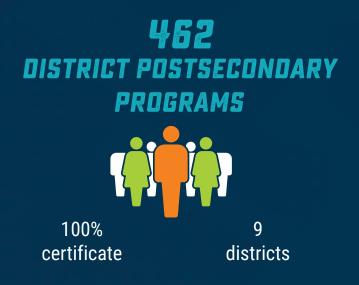
ARTICULATION PATHWAY TO COLLEGE

Agritechnology Specialist Certification (FLFBR001)

Articulates 2 credits

Agricultural Production Technology A.S. Degree

\$213.68 in State College Tuition Savings



TOP PROGRAMS

Veterinary Assisting (401)

Waste/Wastewater Treatment Technologies (41)

TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS



EMPLOYMENT OUTLOOK

high wage **\$23.07**

per hour Mean Wage

First Line Supervisors, Landscaping, Lawn Service and Groundskeeping Workers



annual openings **2,758**

Annual Openings

Sales Representatives, Wholesale & Manufacturing, Tech. & Scientific Products





Building Construction Tech (4,674)

Drafting (2,490)

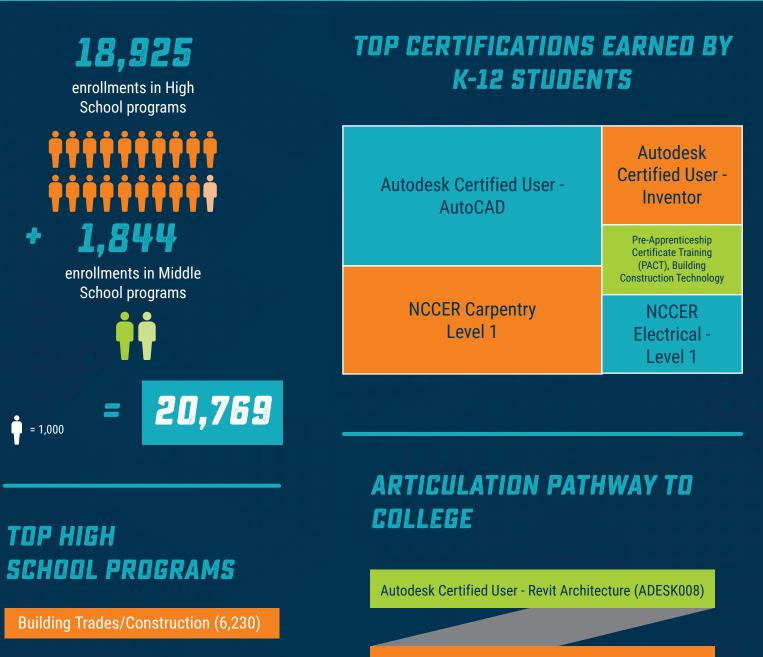
Carpentry (1,723)

Architectural Drafting (1,194)

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.

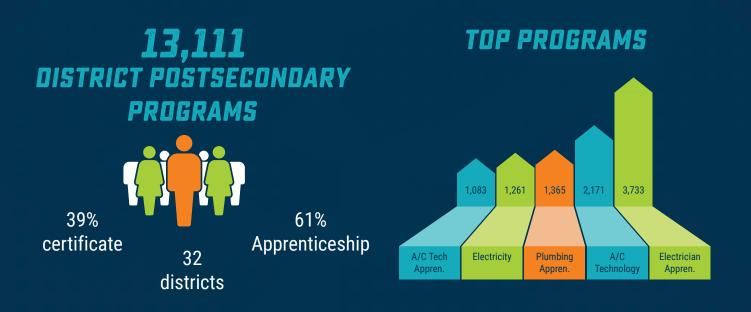
2019-20



Articulates 3 credits

Building Construction Technology A.S. Degree

\$320.52 in State College Tuition Savings



TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS



EMPLOYMENT OUTLOOK

HIGH GROWTH **2.1%**

Growth Rate

Structrual Iron & Steel Workers high wage **\$21.26**

per hour Mean Wage

Electricians

ANNUAL OPENINGS 7,955 Annual Openings

Carpenters



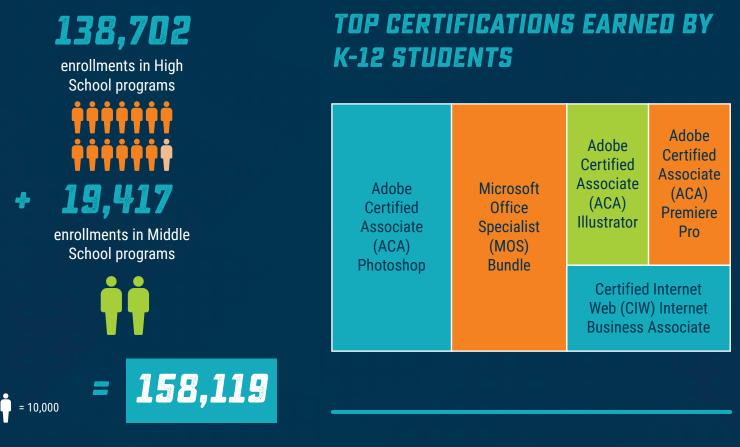




ARTS, A/V TECHNOLOGY & COMMUNICATION

The Arts, A/V Technology and Communications 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 including visual and performing arts and design.

2019-20



TOP HIGH SCHOOL PROGRAMS

Digital Design (73,809)

Digital Media/Multimedia Design (14,641)

Television Production Technology (9,049)

Television Production (8,946)

Digital Video Technology (7,235)

ARTICULATION PATHWAY TO COLLEGE

Apple Certified Pro (ACP) - Final Cut Pro X (APPLE020)

Articulates 3 credits

Digital Television and Media Production

\$320.52 in State College Tuition Savings

3,120 DISTRICT POSTSECONDARY ENROLLMENTS



16 DISTRICTS

TOP PROGRAMS

Digital Video Technology (871)

Digital Photography Technology (736)

Digital Media/Multimedia Design (407)

3D Animation Technology (277)

Commercial Art Technology (187)

EMPLOYMENT OUTLOOK

HIGH WAGE \$22.57 per hour Mean Wage

Graphic Designer

ANNUAL OPENINGS 1,771 Annual Openings

Graphic Designer



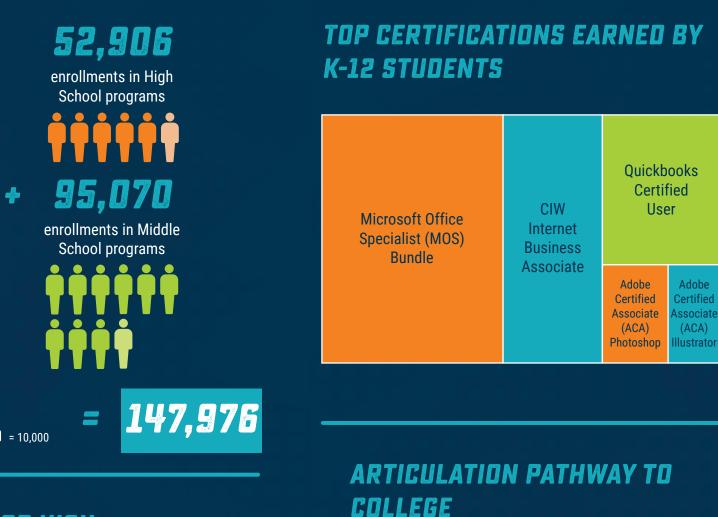




BUSINESS MANAGEMENT & ADMINISTRATION

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.

2019-20



TOP HIGH SCHOOL PROGRAMS

Administrative Office Specialist (15,754)

Accounting Applications (6,567)

Emerging Technology in Business (5,886)

Electronic Business Enterprise (5,511)

Business Management and Analysis (5,173)

Professional Legal Secretary (PLS) (TAFLP002)

Articulates 9 credits

Office Administration A.S. Degree

\$961.56 in State College Tuition Savings

2,003 DISTRICT POSTSECONDARY ENROLLMENTS



20 DISTRICTS

TOP PROGRAMS

Medical Admin. Specialist (734)

Accounting Operations (531)

Admin. Office Specialist (320)

Business Management Analysis (202)

Legal Admin. Specialist (150)

EMPLOYMENT OUTLOOK

ANNUAL OPENINGS 8,547 Annual Openings

General and Operations Managers

high growth **2.45%**

Growth Rate

Medical Secretaries

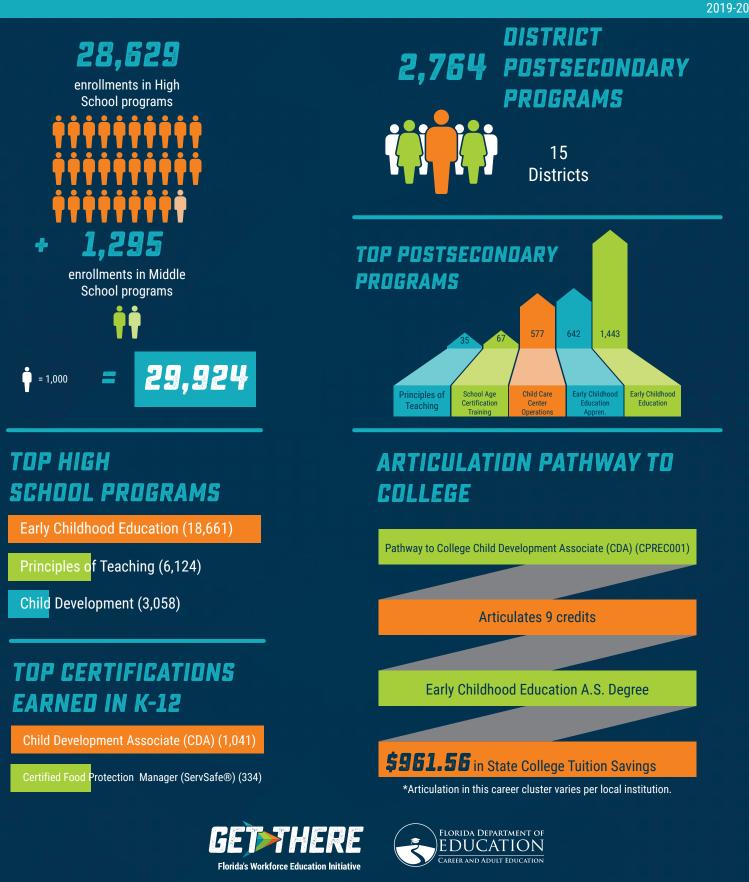






EDUCATION & TRAINING

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.

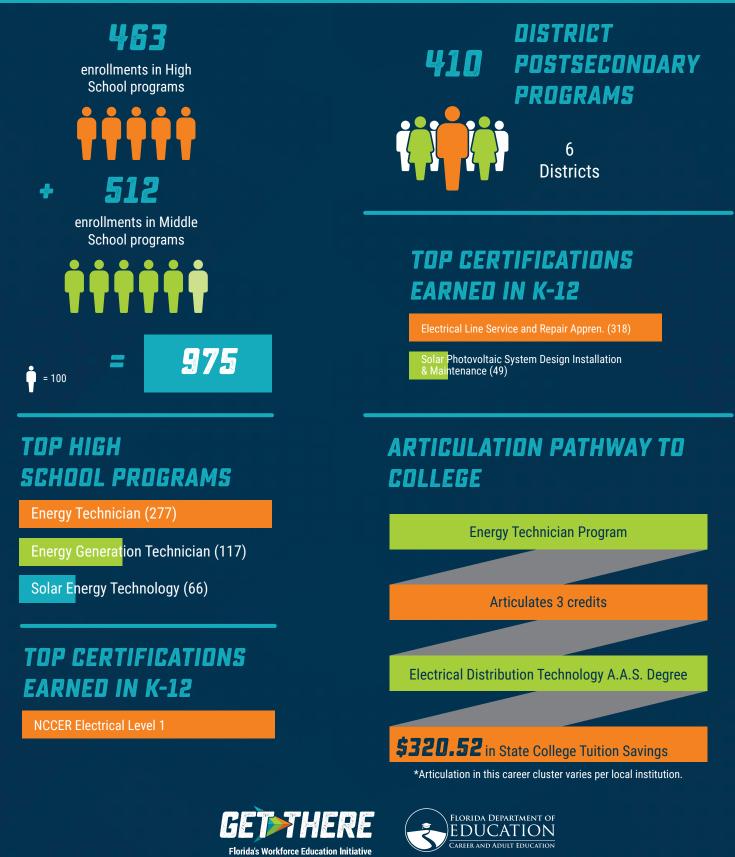


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ENERGY

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.

2019-20

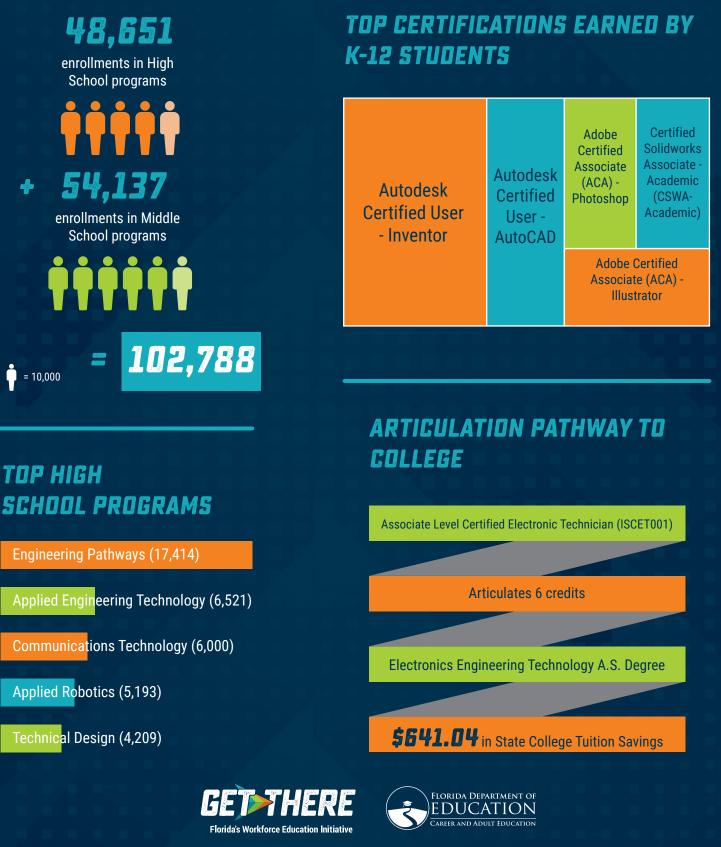




ENGINEERING & TECHNOLOGY EDUCATION

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.

2019-20

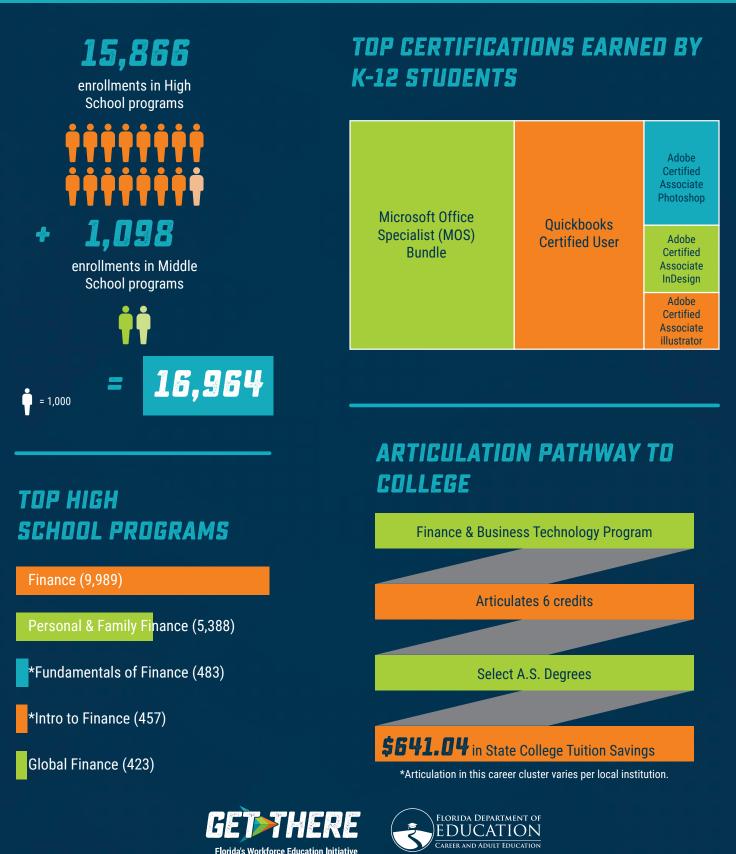


FINANCE



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.

2019-20

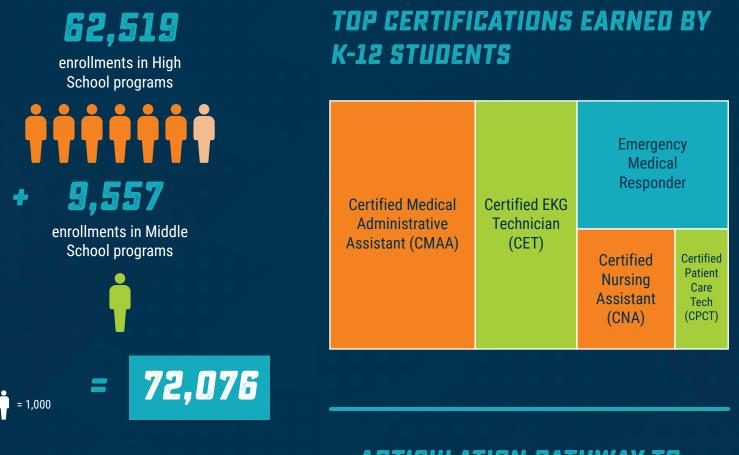


HEALTH SCIENCE



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.

2019-20



TOP HIGH SCHOOL PROGRAMS

Allied Health Assisting (18,771)

Medical Skills and Services (8,504)

Biomedical Sciences (7,536)

Nursing Assistant (Acute & Long Term Care) (6,404)

Emergency Medical Responder (5,762)

ARTICULATION PATHWAY TO COLLEGE

Licensed Practical Nurse or Licensed Practical Nurse (NCSBN002)

Articulates 10 credits

Nursing R.N. (Associate Degree)

\$1,068.40 in State College Tuition Savings



TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS



EMPLOYMENT OUTLOOK

HIGH GROWTH

Growth Rate

Dental Assistants

high wage \$25.55

per hour Mean Wage

Radiologic Technologist



Licensed Practical Nurse (LPN)



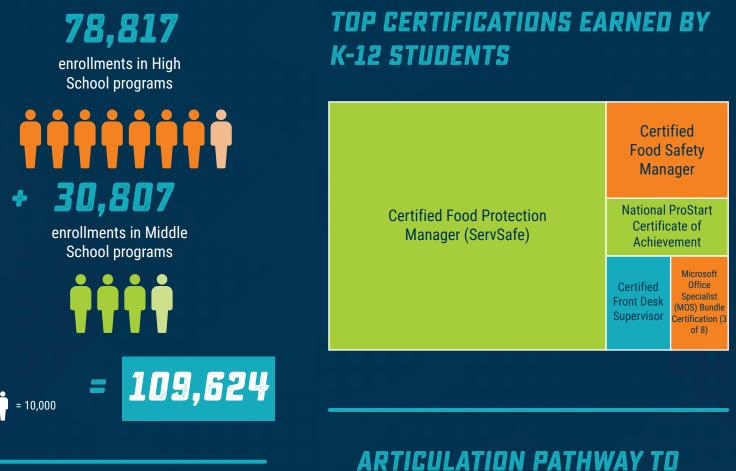




HOSPITALITY & TOURISM

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.

2019-20



TOP HIGH SCHOOL PROGRAMS

Culinary Art (54,626)

Principles of Food (7,989)

Nutrition and Wellness (6,992)

Hospitality and Tourism Management (4,662)

Hospitality and Tourism (2,242)

ARTICULATION PATHWAY TO COLLEGE

Certified Culinarian (ACFED002)

Articulates 3 credits

Culinary Management A.S. Degree

\$320.52 in State College Tuition Savings

2,877 DISTRICT POSTSECONDARY ENROLLMENTS



23 DISTRICTS

TOP PROGRAMS

Commercial Foods & Culinary Arts (1,627)

Fundamental Foodservice Skills (568)

Environmental Services (397)

Baking & Pastry Arts (129)

Lodging Operations (61)

EMPLOYMENT OUTLOOK



Growth Rate

First Line Supervisors of Housekeeping and Janitorial Workers high wage **\$31.92**

per hour Mean Wage

Food Service Managers





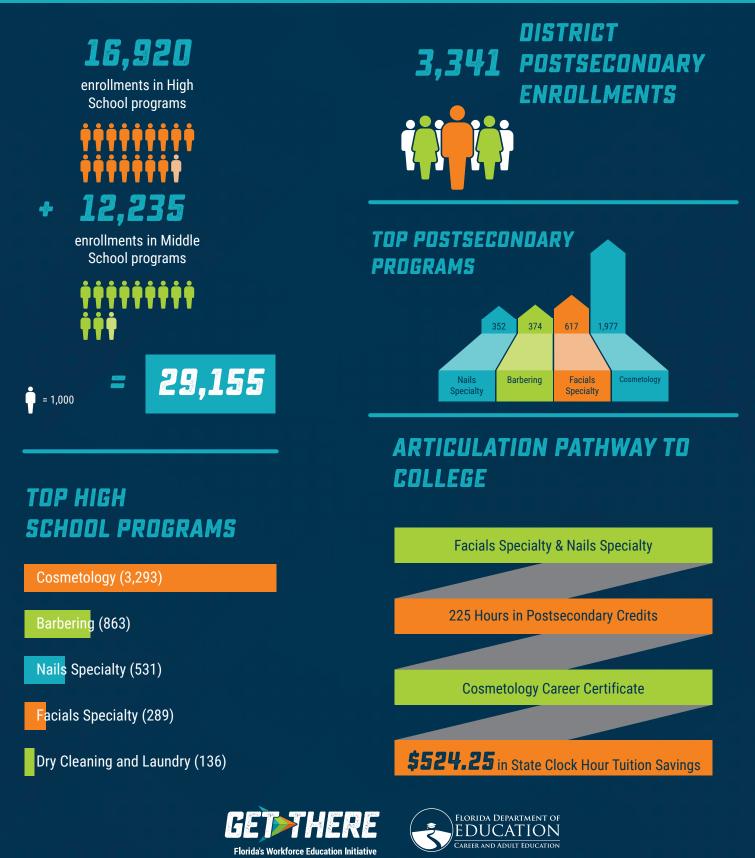


HUMAN SERVICES



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 in this diverse cluster.

2019-20

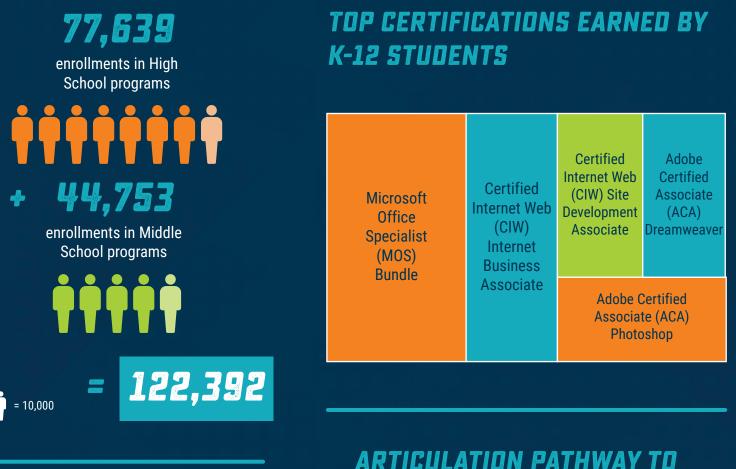




INFORMATION TECHNOLOGY

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.

2019-20



TOP HIGH SCHOOL PROGRAMS

Applied Information Technology (19,715)

Web Development (16,036)

Game/Simulation/Animation Visual Design (8,145)

Digital Media Technology (7,877)

Computer Science Principles (3,956)

ARTICULATION PATHWAY TO COLLEGE

Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist (PROS0027)

Articulates 3 credits

Computer Information Technology A.S. Degree

\$320.52 in State College Tuition Savings



TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS



EMPLOYMENT OUTLOOK

HIGH GROWTH **3.31%**

Growth Rate

Software Developers, Applications

high wage \$39.70

per hour Mean Wage

Computer Network Architects

ANNUAL OPENINGS 3,903 Annual Openings

Software Developers, Applications



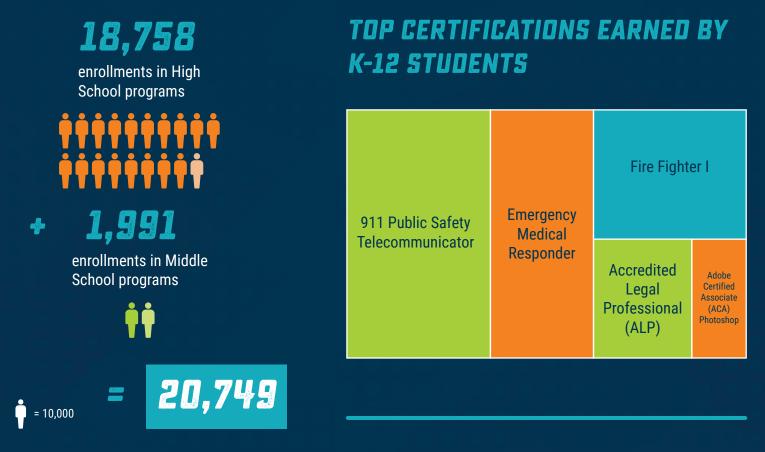




LAW, PUBLIC SAFETY, & SECURITY

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, public safety, protective services and homeland security, including professional and technical support services.

2019-20



TOP HIGH SCHOOL PROGRAMS

Criminal Justice Operations (16,880)

Introduction to Fire Fighting (1,397)

Public Safety Telecommunication (232)

Private Security Officer (79)

ARTICULATION PATHWAY TO COLLEGE

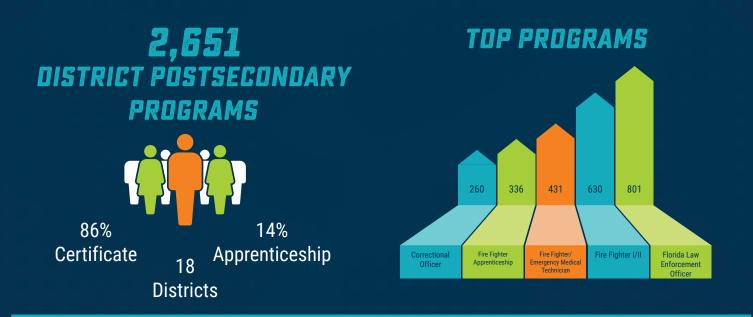
Criminal Justice Operations High School Program

Articulates 3 credits

Criminal Justice Technology A.S. Degree

\$320.52 in State College Tuition Savings

*Articulation in this career cluster varies per local institution.



TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS



EMPLOYMENT OUTLOOK



Growth Rate

Police, Fire Fighter and Ambulance Dispatchers high wage **\$25.08**

per hour Mean Wage

Fire Fighters



Police and Sheriff's Patrol Officers



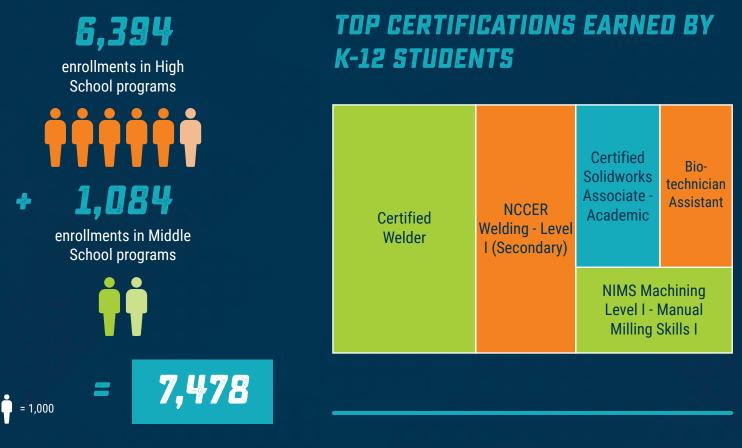


MANUFACTURING



The Manufacturing Career Cluster incorporates six pathways: production; manufacturing production process development; maintenance, installation & repair; quality assurance; logistics & 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.

2019-20



TOP HIGH SCHOOL PROGRAMS

Welding Technology Fundamentals (2,013)

Industry Biotechnology (1,619)

Advanced Manufacturing Technology (1,485)

Machining Technology (356)

Applied Welding Technology (266)

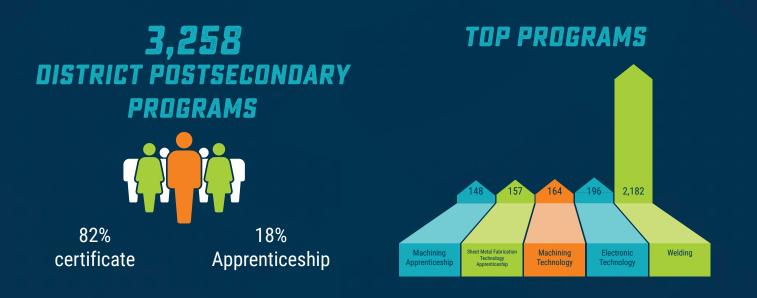
ARTICULATION PATHWAY TO COLLEGE

MSSC Certified Production Technician (CPT) (MSSCN001)

Articulates9 credits

Manufacturing Technology A.S. Degree

\$961.56 in State College Tuition Savings



TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS



EMPLOYMENT OUTLOOK

high growth **1.41%**

Growth Rate

Welders, Cutters, Solderers & Brazers high wage \$23.30

per hour Mean Wage

Industrial Machinery Mechanics

ANNUAL OPENINGS 1,812 Annual Openings

Welders, Cutters, Solders & Brazers



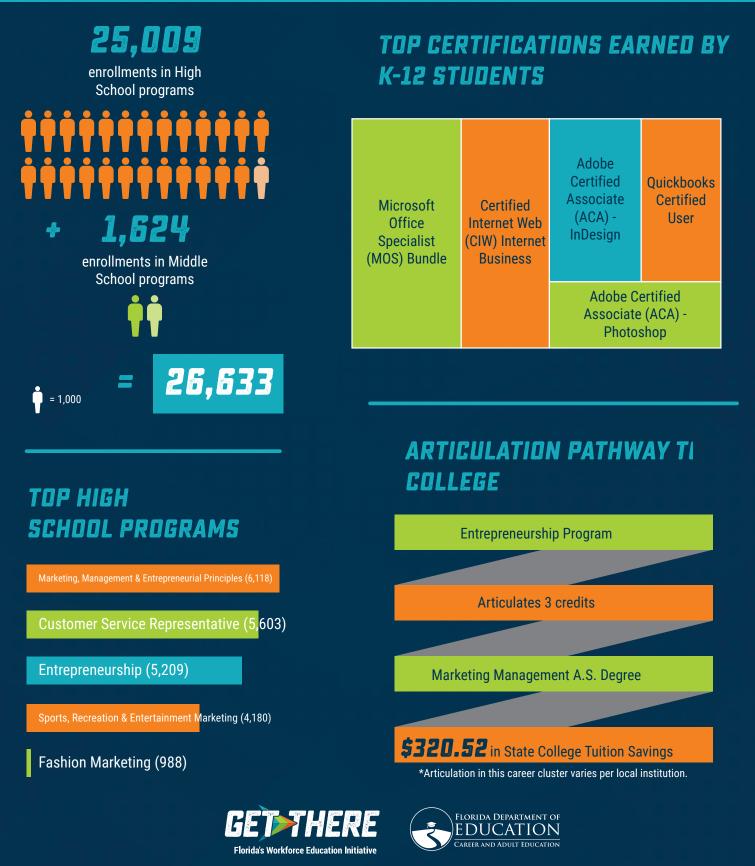




MARKETING, SALES & SERVICE

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.

2019-20





TRANSPORTATION, DISTRIBUTION & LOGISTICS

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.

2019-20



TOP HIGH SCHOOL PROGRAMS

Automotive Maintenance & Light Repair (7,717)

Global Logistics& Supply Chain Technology (1,777)

Automotive Collision Technology (606)

Outboard Marine Service Technology (564)

Automotive Collision Repair & Refinishing (501)

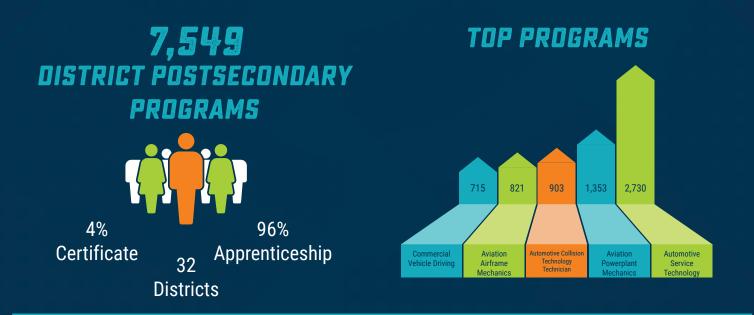
ARTICULATION PATHWAY TO COLLEGE

ASE Auto Maintenance and Light Repair (G1) (NIASE076)

Articulates3 credits

Automotive Service Technology A.S. Degree

\$320.52 in State College Tuition Savings



TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS



EMPLOYMENT OUTLOOK



Growth Rate

Operating Engineers/Construction Equipment Operators high wage **\$25.95**

per hour Mean Wage

Aircraft Mechanics & Service Technicians



Annual Openings

Operating Engineers/ Construction Equipment Operators



