

# AGRICULTURE & AGRITECHNOLOGY

## INDUSTRY OVERVIEW

Total Employed	<b>7,808</b>
Average Wage	<b>\$42,084</b>
Expected Demand (5 years)	<b>5,324</b>



## CAREER PATHWAY TO AGRICULTURE & AGRITECHNOLOGY

NOW Requires HS Diploma and On the Job Training		NEXT Requires an Apprenticeship and Moderate On the Job Training		LATER Requires a Bachelor's Degree or Higher and/or Long Term On the Job Training	
Farmworkers: Farm, Ranch, Aquacultural Animals	\$17.88/hr	Logging Equipment Operators	\$24.28/hr	Foresters	\$26.83/hr
Farmworkers and Laborers, Crop, Nursery, Greenhouse	\$14.95/hr	Forest and Conservation Workers	\$18.08/hr	Farmers, Ranchers, and Agricultural Managers	\$49.71/hr
Agricultural Equipment Operators	\$19.38/hr	Agricultural Inspectors	\$20.53/hr	Veterinarians	\$70.43/hr

## CERTIFICATIONS

- Agricultural Biotechnology Specialist
- Agritechnology Specialist
- Horticulture Professional
- Certified Vet Assistant (CVA)
- Accredited Farm Manager
- Erosion and Sediment Control Professional
- Ecology Conservation and Management
- Agricultural Mechanics Specialist

- Agriculture Associate
- Agriculture Systems Associate
- Animal Science Specialist
- Agriculture Irrigation Specialist
- Accredited Agricultural Consultant
- Equine Science
- Irrigation Designer - Landscape
- Food Safety and Science

# AGRICULTURE & AGRITECHNOLOGY

## HIGH SCHOOL PROGRAMS

<i>Agribusiness &amp; Management</i>	Bartow Senior
<i>Agriculture Biotechnology</i>	Lake Gibson Senior
<i>Agritechnology</i>	Auburndale Senior Bartow Senior Davenport High Haines City High Lake Gibson Senior Lake Region Senior Lakeland Senior Mulberry Senior Ridge Community Winter Haven
<i>Aquaculture</i>	Haines City High
<i>Animal Science &amp; Services</i>	Auburndale Senior Bartow Senior George Jenkins Haines City High Kathleen Senior Lake Gibson Senior Lake Region Senior Mulberry Senior Tenoroc High
<i>Horticulture</i>	Auburndale Senior Davenport High George Jenkins Kathleen Senior Lake Gibson Senior Lakeland Senior Tenoroc High
<i>Technical Agriculture Operations</i>	George Jenkins Kathleen Senior Mulberry Senior
<i>Vet Assisting</i>	George Jenkins Lakeland Senior Ridge Community Tenoroc High

## MIDDLE-SENIOR SCHOOL PROGRAMS

<i>Agritechnology</i>	Fort Meade Frostproof McLaughlin Academy
<i>Pre-Academy of Agriculture</i>	Fort Meade Frostproof McLaughlin Academy
<i>Animal Science &amp; Service</i>	Fort Meade

## MIDDLE SCHOOL PROGRAMS

<i>Pre-Academy of Agriculture</i>	Bartow Middle Jere L Stambaugh Kathleen Middle Lake Gibson Middle Lakeland Highlands Mulberry Middle Southwest Middle Westwood Middle
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## CERTIFICATIONS

*available to be earned by high school program completers:*

FLVMA Veterinary Assistant Certification  
FNGLA Certified Landscape Maintenance Technician  
AEST Animal Science Specialist  
AEST Agriculture Mechanics Specialist  
AEST Agritechnology Specialist  
AEST Associate of Ag Systems  
AEST Associate of Agriculture



# ADVANCED MANUFACTURING

## INDUSTRY OVERVIEW

Total Employed **29,731**

Average Wage **\$68,490**

Expected Demand (5 years) **18,190**



## CAREER PATHWAY TO MANUFACTURING

NOW		NEXT		LATER	
Requires On the Job Training, HS Diploma, *PSAV or Experience		Requires 2-4 years of education beyond high school		Requires 4+ years of education beyond high school plus experience	
Computer Numerical Controlled Tool Operators	\$26.44/hr	Supervisors of Production Workers	\$36.59/hr	Operations Managers	\$72.31/hr
Inspectors, Testers, Sorters, Samplers	\$25.96/hr	Electrical/Electronic Engineering Technicians	\$36.59/hr	Aerospace Engineers	\$69.95/hr
Welders, Cutters, Solderers and Brazers	\$26.78/hr	Dental Laboratory Technicians	\$27.12/hr	Electronics Engineers	\$68.08/hr

\*Post Secondary Adult Vocational

## CERTIFICATIONS

Quality Control Technology/Technician

NCCER Electrical

Welding Technology/Welder

Biotechnician Assistant

MSSC Certified Production Technician

Drafting and Design Technology/Technician

Lean Six Sigma

Six Sigma Black Belt

Six Sigma Green Belt

Engineering Technology

Certified SolidWorks Associate Academic

Association of Operations Management Certification

AWS Welder Certification

Autodesk Certified Associate -AutoCAD

Manufacturing Skills Standards Council Certification

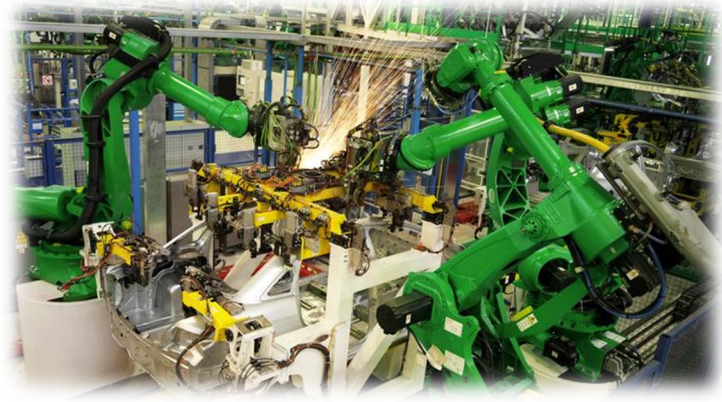
Certified Production Technician

Computer Numerical Controlled Certification

# ADVANCED MANUFACTURING

## HIGH SCHOOL PROGRAMS

<i>Applied Engineering</i>	George Jenkins Senior Mulberry Senior High Ridge Community High
<i>Applied Robotics</i>	Mulberry Senior High Winter Haven Senior High
<i>Building Construction</i>	Tenoroc High
<i>Building Trades &amp; Construction Design</i>	Lake Region Senior High
<i>Cabinetmaking</i>	Bartow Senior High
<i>Electricity</i>	Bartow Senior High
<i>Energy Technician</i>	Tenoroc High
<i>Modeling &amp; Simulation</i>	Davenport High
<i>Technical Design</i>	Auburndale Senior



## MIDDLE-SENIOR SCHOOL PROGRAMS

<i>Building Construction</i>	Fort Meade
<i>Energy Technician</i>	McLaughlin Academy

## MIDDLE SCHOOL PROGRAMS

<i>Pre-Academy of Engineering</i>	Sleepy Hill Middle
<i>Pre-Academy of Aviation, Engineering &amp; Robotics</i>	Lakeland Highlands Middle
<i>Pre-Academy of Power</i>	Kathleen Middle

## CERTIFICATIONS

available to be earned by high school program completers

NCCER Electrical  
HBI PACT CORE  
HBI PACT Green  
HBI Carpentry  
HBI Building Construction Technology  
HBI Electrical  
AutoCAD  
AutoDesk Revit  
AutoDesk Inventor  
SolidWorks Associate  
AutoDesk Fusion 360  
SolidWorks Associate  
Unity Certified User: Programmer

# LOGISTICS, SUPPLY CHAIN & DISTRIBUTION

## INDUSTRY OVERVIEW

Total Employed	<b>42,373</b>
Average Wage	<b>\$52,903</b>
Expected Demand (5 years)	<b>28,095</b>



## CAREER PATHWAY TO LOGISTICS

<b>NOW</b> Requires HS Diploma and On the Job Training		<b>NEXT</b> Requires a 2-4 years of education beyond high school and/or On The Job Training		<b>LATER</b> Requires a Bachelor's Degree or Higher and/or Long Term On the Job Training	
Shipping, Receiving and Inventory Clerks	<b>\$21.35/hr</b>	Logisticians	<b>\$31.44/hr</b>	Transportation, Storage, and Distribution Mgrs	<b>\$51.30/hr</b>
Postal Service Mail Carriers	<b>\$28.85/hr</b>	Purchasing Agents	<b>\$34.95/hr</b>	Transportation Inspectors	<b>\$57.98/hr</b>
Light Truck Drivers	<b>\$29.33/hr</b>	Operations Research Analysts	<b>\$39.76/hr</b>	Ship Engineers	<b>\$53.89/hr</b>

## CERTIFICATIONS

Certified Professional in Supply Management (CPSM)  
 SCPro  
 Project Management Professional (PMP)  
 Lean Six Sigma Green Belt  
 Small UAS (SUAS) Safety Certification

Certified Professional in Supplier Diversity (CPSD)  
 Certified Professional Logistician (CPL)  
 Certified Six Sigma Black Belt (CSSBB)  
 Certified in Production and Inventory Management  
 CDL A  
 CDL B



# LOGISTICS, SUPPLY CHAIN & DISTRIBUTION

## HIGH SCHOOL PROGRAMS

*Automotive  
Maintenance & Light  
Repair*

Mulberry Senior



## CERTIFICATIONS

*available to be earned by high school program completers:*

FAA Aviation Maintenance Technician General

# AVIATION & AEROSPACE

## INDUSTRY OVERVIEW

Total Employed **1,0577**

Average Wage **\$76,285**

Expected Demand  
(5 years) **647**



## CAREER PATHWAY TO AVIATION & AEROSPACE

<b>NOW</b> Requires HS Diploma and On the Job Training		<b>NEXT</b> Requires an Apprenticeship and Moderate on the Job Training		<b>LATER</b> Requires a Bachelor's Degree or Higher and/or Long Term On the Job Training	
Aircraft Service Attendants	<b>\$19.62/hr</b>	Commercial Pilots	<b>\$52.64/hr</b>	Aerospace Engineer	<b>\$60.38/hr</b>
Flight Attendant	<b>\$38.13/hr</b>	Aerospace Engineering and Operations Technologists and Technicians	<b>\$36.88/hr</b>	General and Operations Managers	<b>\$72.31/hr</b>
Aircraft Mechanics and Service Technicians	<b>\$36.83/hr</b>	Air Traffic Controllers	<b>\$66.06/hr</b>	Electrical Engineers	<b>\$60.38/hr</b>

## CERTIFICATIONS

FAA Private Pilot  
 FAA Airframe and Power-Plant Technician  
 FAA Remote Pilot Certification  
 FAA Flight Attendant Certificate of Demonstrated Proficiency  
 Aviation Maintenance Technician  
 FAA Ground School  
 SpaceTEC Certified Aerospace Technician  
 Advanced Unmanned System Operations Flight

FAA Commercial Pilot  
 FAA Airmen Certification  
 FAA Aircraft Mechanic Technician  
 FAA Aircraft Dispatcher Certification  
 FAA Certified Flight Instructor  
 FAA Instrument Airplane Rating  
 AAA Aerospace/Aircraft Assembly  
 Advanced Unmanned System Operations Ground



# AVIATION & AEROSPACE

## HIGH SCHOOL PROGRAMS

*CFAA Aerospace* Kathleen High  
*CFAA Applied Engineering*  
*CFAA Aviation Maintenance*  
*CFAA Unmanned Aircraft*  
*Systems Operations*  
*Aerospace* Winter Haven High



## MIDDLE SCHOOL PROGRAMS

*Pre-Academy of Aviation,* Lakeland  
*Engineering & Robotics* Highlands Middle

## CERTIFICATIONS

*available to be earned by high school program completers:*

Unmanned Safety Institute Safety  
VSO Ground  
FAA Private Pilot  
FAA Ground School  
FAA Aviation Maintenance Technician General

# HEALTH SCIENCES

## INDUSTRY OVERVIEW

Total Employed	<b>68,468</b>
Average Wage	<b>\$63,522</b>
Expected Demand (5 years)	<b>43,431</b>



## CAREER PATHWAY TO HEALTHCARE

NOW Requires On the Job Training, HS Diploma, *PSAV or Experience		NEXT Requires 2-4 years of education beyond high school		LATER Requires 4+ years of education beyond high school plus experience	
Cardiovascular Technicians	\$29.95/hr	Registered Nurses	\$40.67/hr	Pharmacists	\$65.43/hr
Surgical Technologists	\$27.60/hr	Occupational Therapy Assistants	\$34.13/hr	Physician Assistants	\$59.52/hr
Medical Assistants	\$20.05/hr	Radiologic Technologists and Technicians	\$33.75/hr	Occupational Therapists	\$46.88/hr

\*Post Secondary Adult Vocational

## CERTIFICATIONS

Clinical/Medical Laboratory Technician  
 Emergency Medical Technology/Technician (EMT Paramedic)  
 Health Information/Medical Records Administration  
 Health Information/Medical Records Technology  
 Licensed Practical/Vocational Nurse Training  
 Medical Insurance Coding Specialist/Coder  
 Medical Radiologic Technology/Science – Radiation Therapist  
 Pharmacy Technician/Assistant  
 Registered Nursing/Registered Nurse  
 Surgical Technology/Technologist

Dental Assisting/Assistant  
 Massage Therapy/Therapeutic Massage  
 Medical Insurance Coding Specialist/Coder  
 Medical Office Assisting  
 Medical Transcription  
 Medical/Clinical Assisting  
 Nursing Assistant/Aide and Patient Care Assistant/Aide  
 Phlebotomy Technician/Phlebotomist  
 Physical Therapy Technician/Assistant

# HEALTH SCIENCES

## HIGH SCHOOL PROGRAMS

### *Health Science*

Auburndale Senior  
Bartow Senior  
George Jenkins Senior  
Kathleen Senior  
Lake Gibson Senior  
Lake Region Senior  
Mulberry Senior  
Ridge Community High  
Winter Haven Senior



## MIDDLE-SENIOR SCHOOL PROGRAMS

### *Health Science*

Frostproof Middle-Senior

### *Pharmacy Tech*

Fort Meade Middle-Senior

## CERTIFICATIONS

available to be earned by high school program completers:

Certified Electrocardiography Technician  
Certified Phlebotomy Technician  
Certified Patient Care Technician/Aide  
Certified Medical Administrative Assistant  
Certified Pharmacy Technician  
Emergency Medical Responder  
Certified Nursing Assistant

## MIDDLE SCHOOL PROGRAMS

### *Pre-Academy of Health Science*

Bartow Middle  
Denison Middle  
Lake Gibson Middle  
Lakeland Highlands Middle