

A photograph of a farm with several large greenhouses and a field of tall green plants in the foreground. The greenhouses are covered in white plastic and have a peaked roof. The field in the foreground is filled with tall, green, leafy plants, possibly a vegetable field. The background shows a line of trees under a blue sky with some clouds.

Agriculture, Food & Natural Resources

Subtitle

What do you want to know?

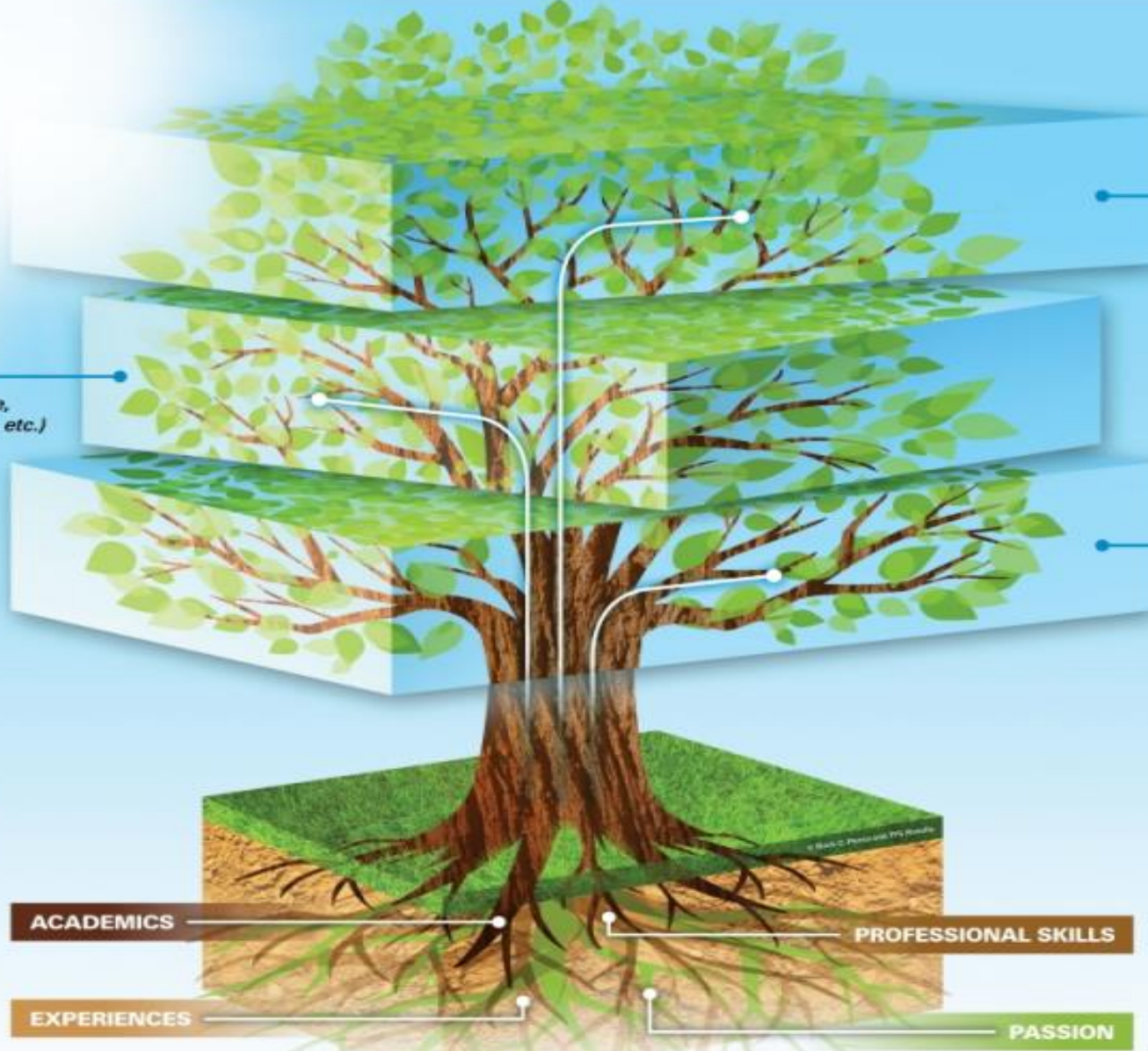
- Career Tree
- Jumpstart 2.0 Pathway Courses and Certification
- Program of Study
- Local Business Opportunities
- Louisiana Colleges/Universities with Programs related to field
- Additional Resources



TECHNICAL CAREERS

(Apprenticeship, Associate's Degree, Advanced Certification, Experience, etc.)

- Agricultural and Food Science Technician
- Animal Research Technician
- Veterinary Technician
- Farm Equipment Mechanic
- Agricultural Mechanic
- Agricultural Research Technician
- Environmental Science and Protection Technician
- Agriculture Inspector of Meat and Poultry
- Greenskeeper
- Park Ranger
- Tractor/Diesel Technician
- Water Quality Field Technician



PROFESSIONAL CAREERS

(Bachelor's, Master's, Ph.D., Specialized Training, Experience, etc.)

- Environmental Engineer
- Veterinarian
- Zoologist
- Landscape Architect
- Geoscientist
- Fish and Game Warden
- Animal Scientist
- Precision Agriculture Technician
- Soil and Plant Scientist
- Landscape Architect
- Quality Assurance Manager/Auditor
- Agriscience Teacher

ENTRY-LEVEL CAREERS

(with Program Completion)

- Veterinary Assistant
- Farm/Ranch Hand
- Meat Cutter
- Agricultural Sales
- Agricultural Equipment Operator
- Landscaping and Groundskeeping Worker
- Lawnmower Repair Mechanic
- Outdoor Power Equipment Service Technician
- Small Engine Technician
- Floral Assistant
- Truck Driver
- Fast Food and Counter Worker

AGRICULTURE, FOOD & NATURAL RESOURCES



For Career Tree™ facts and materials please visit tfsresults.com and call our team at 800-848-3800.

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Advanced Credential 150 SPS Points Rigor Level 3	N/A
Basic State Credential 110 SPS Points Rigor Level 2	Four Stroke Engine Technician (EETC) Louisiana Agritechnology FAA Part 107: Small Unmanned Aircraft Operations
Regional State Credential 100 SPS Points Rigor Level 1	Agricultural Career Development & Agricultural Leadership Development

CAREER READINESS
Agriscience I (010301) JAG I & II (042010 & 042020) ***** Quest for Success (080411) ROTC III & ROTC IV (170003 & 170004)

UNIVERSAL COURSES
Accounting I (040101) Business Computer Applications (040400) CDF Qualifying Internship I (1 credit - 080202) CDF Qualifying Internship I (2 credit - 080200) CDF Qualifying Internship II (1 credit - 080203) CDF Qualifying Internship II (2 credit - 080201) Customer Service (041001) Emergency Medical Responder (090711) **/***** Financial Literacy (160345)* Foreign Language I Foreign Language II Intro to Business Computer Applications (040401) Law Studies (220506)*** NCCER Core (311720) **/***** Personal Finance (041022) Principles of Business (040306) Speech I (051101) Technical Writing (120350) Virtual Workplace Experience I (080205)** Virtual Workplace Experience II (080207)**

PATHWAY CREDITS
Advanced Nutrition and Food (100301) Ag Leadership (010364) Agriscience I (010301) Agriscience II (010302) Agriscience III (010303) Agriscience IV (010304) AP Human Geography (220310) Business Math (040307)* Carpentry I (310602)** Carpentry II (310612)** Chemistry (150401) Computer Technology Literacy (040220) Digital Media (080800)** Environmental Science (150310) Food Science (155040) Intro to Remote Controlled Vehicles (110795)** Intro to Social Media (080818)** NCCER Welding Technology I (2 Credits-313702)**/***** NCCER Welding Technology II (2 Credits-313712)**/***** Nutrition and Food (100300) Outdoor Power Equipment Tech I (2 Credits-312302)**/***** Outdoor Power Equipment Tech II (2 Credits-312312)**/***** Outdoor Power Equipment Tech III (2 Credits-312321)**/*****

* Courses taken for core requirements cannot be used for pathway credits.
 ** Course offered at College Street or Westlake T&I
 *** Course offered at Washington Marion
 **** Course offered at Sulphur High
 ***** Course offered at Sulphur, Barbe, Vinton & DeQuincy

Programs of Study

The Agriculture, Food and Natural Resources Career Cluster focuses on the essential elements of life – food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

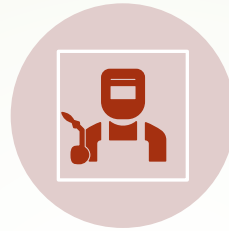


Programs of Study: Agriculture, Food & Natural Resources

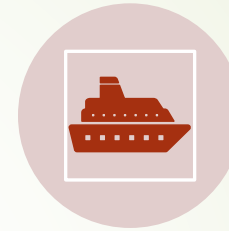
Local Business Opportunities: Agriculture, Food & Natural Resources



AGRICULTURE TEACHER –
CALCASIEU PARISH
SCHOOL BOARD



ENGINEER I – WESTLAKE
CORPORATION



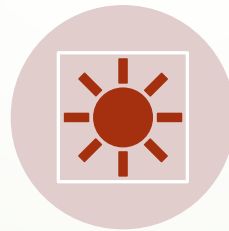
SERVICE COORDINATOR -
HENDERSON IMPLEMENT
& MARINE LLC



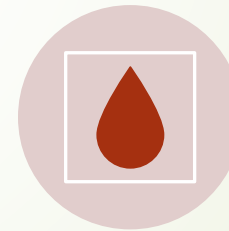
FIELD SERVICE
TECH/DIESEL MECHANIC -
JOHN DEERE



BOILERMAKER - AUSTIN
INDUSTRIES



SERVICE TECH - SUNSHINE
QUALITY SOLUTIONS LLC



WATER QUALITY
ENVIRONMENTAL
TECHNICIAN – CK
ASSOCIATES



CARGO OBSERVER -
COTECNA INSPECTION
INC

Louisiana Colleges/Universities: Agriculture, Food & Natural Resources

Public & Private Colleges & Universities

- Grambling State University
- Louisiana State University and Agricultural & Mechanical College
- Louisiana Tech University
- McNeese State University
- Northwestern State University
- Nicholls State University
- Southeastern Louisiana University
- Southern University and Agricultural & Mechanical College
- University of Holy Cross
- University of Louisiana at Monroe
- University of Louisiana of Lafayette

Community Colleges

- Baton Rouge Community College
- Bossier Parish Community College
- Delgado Community College
- Louisiana Delta Community College
- Nunez Community College
- River Parishes Community College
- South Louisiana Community College
- SOWELA Technical Community College

Technical Schools

- Louisiana Culinary Institute
- New Orleans Culinary & Hospitality Institute
- Northshore Technical Community College
- Remington College

Additional Resources: Agriculture, Food & Natural Resources



O*NET Online Career Cluster

<https://www.onetonline.org/find/career?c=1>

Career Clusters – Pathways to College & Career Readiness

<https://cte.careertech.org/sites/default/files/CCFrame-AgricultureFoodandNatResources.pdf>

Career One Stop (video)

<https://www.careeronestop.org/Videos/IndustryVideos/agriculture-food-and-natural-resources-overview.aspx>

myFuture

<https://myfuture.com/career/agriculture-food-natural-resources>

Louisiana Believes: Jump Start Brief

<https://www.louisianabelieves.com/docs/default-source/js-graduation-pathways/jump-start-2-0-pathways---agriculture-food-and-natural-resources.pdf>