



# AGRICULTURE, FOOD & NATURAL RESOURCES

For incoming freshmen beginning 2020–2021

## OVERVIEW

The Agriculture, Food and Natural Resources Jump Start 2.0 Pathway immerses students in the fields of agriculture and related sciences. This pathway equips students with the knowledge of basic animal, plant, and soil science; plant cultivation and soil conservation; and agricultural operations such as farming, ranching, and logging. Pathway coursework also provides instruction in subjects such as climate, air, soil, water, land, fish, wildlife, and plant resources; basic principles of environmental science and natural resource management; and agricultural business. Students will also learn of the recreational and economic uses of renewable and nonrenewable natural resources.

## COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Crop Scout and Farm Laborer	Agricultural Mechanics Technology Technician	Ag Ed Leadership
Meat, Poultry, & Fish Cutter	Grain/Farm Manager	Food/Animal Science
Logger, Tree Tagger	Forestry and Conservation Technician	Horticulture/Forestry Science
Environmental Sampling Technician	Environmental Monitoring	Environmental Management Systems

## CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Agricultural Career Development	Agriculture Mechanics	Forestry (Louisiana Forestry Association)
Agricultural Leadership Development	Ducks Unlimited Ecology Conservation and Management Certification	Water Production Operator I, Water Treatment Operator I, AND Water Distribution Operator I
BASF Plant Science Certification	FAA Part 107: Small Unmanned Aircraft Operations	
Meat Processing	Four Stroke Engine Technician	
	Geographic Information System - Entry Level Technician Certification	
	Louisiana Agritechnology (Louisiana Farm Bureau Federation)	
	<b>Louisiana Department of Health, Office of Public Health-Engineering Services:</b> • Water Production Operator I • Water Treatment Operator I • Water Distribution Operator I	

\*Aligned to pathway.

## UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)