RHODES STATE IS
CULTIVATING
AGRICULTURAL AREAS OF STUDY

Course offerings include:

○ Agriculture Business
- Business Management
- Marketing and Sales
- Economics
- Sustainable Agriculture

○ Agronomy
- Soils of Agronomic Production
- Crop Management
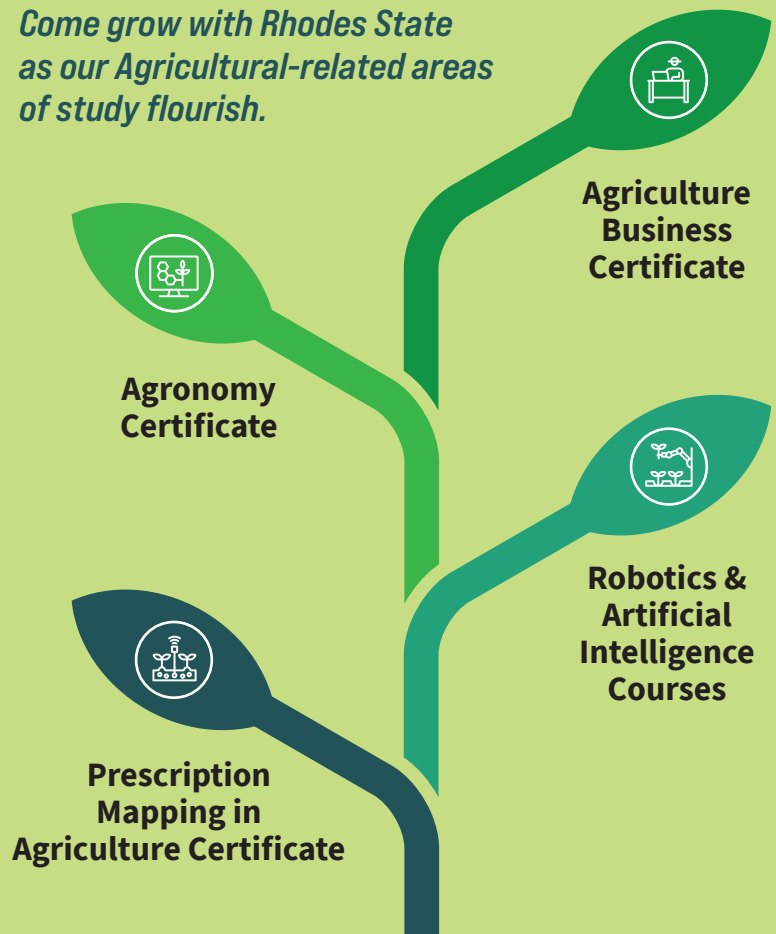- Nutrient Management
- Pest Management

○ Robotics and Artificial Intelligence
- Electronics and Programmable Controllers
- Precision Ag Equipment
- Robots and Mechanatronics
- Artificial Intelligence in Ag

○ Prescription Mapping
- GIS and GPS
- Unmanned Aerial Systems
- Precision Ag Equipment
- Prescription Mapping

Come grow with Rhodes State as our Agricultural-related areas of study flourish.

Agriculture Business Certificate

Agronomy Certificate

Robotics & Artificial Intelligence Courses

Prescription Mapping in Agriculture Certificate

RHODES
STATE COLLEGE

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The new program is built on four stackable certificates:

Agronomy

Provides students with localized background in soils, crops, pests, and nutrient management to optimize crop yield with sustainable practices.

Agriculture Business

Provides students agricultural basics and business fundamentals to work with financial aspects of an agricultural enterprise.

Prescription Mapping

Introduces students to foundational surveying and associated GPS/GIS principles, drone and remote sensing technology (crop, soil, and environmental data), data interpretation, and prescription map creation. This certificate can lead to entry technician positions with farmers, surveyors, crop consulting firms, local equipment dealers, and agriculture suppliers.

Robotics and Artificial Intelligence (AI)

Provides students with a basic technical foundation and practical understanding of operation and repair of robotic applications in agriculture. This is a dynamic and emerging area with many prototypic applications.

Career Areas:

Students completing these options will be prepared for technician positions with farmers, agricultural consulting firms, local equipment dealers, agricultural retailers, and equipment manufacturers.

Agriculture Design Laboratories (ADLs)

ADLs are being envisioned to include a suite of high-tech simulation and collaborative learning areas: simulators and real time equipment will be utilized for training in computers and industry developed software, planters, drones, sensors, robots, and smart (autonomous) vehicles. A living wall of plants/herbs will serve as the suite's focal point to compliment displays of localized agriculture history. The long-term vision also includes a greenhouse for more focused agronomic studies and garden plots to allow the community to experience applied agriculture.

The Rhodes State Agriculture Technology Program and ADLs are being designed to provide hands-on applications with today's modern technology to provide local agriculture with experienced technicians in precision equipment and smart technology on-board farm equipment, guided by agronomy principles to optimize crop yield. These technicians will also be trained to adapt and adopt yet to be developed applications and technologies.

An application for the Agriculture Technology Associate degree program has been submitted to the accreditor and is pending HLC approval.