

# AGRICULTURAL PRECISION EQUIPMENT CERTIFICATE

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The Agricultural Precision Equipment certificate will prepare students to implement and manage precision agriculture technologies that enhance crop production and resource efficiency. Students will develop skills for installing and supporting field equipment to support sustainable and profitable farming practices. This certificate equips graduates with the technical expertise needed to help farmers integrate precision tools into modern farm operations.

## Program Learning Outcomes

Upon completion, the student will be able to:

1. Demonstrate technical skills in operating, calibrating, and troubleshooting agricultural precision equipment.
2. Apply principles of precision agriculture to improve efficiency in crop and soil management.
3. Create analytical prescriptions from GPS data for enhanced agricultural productivity.
4. Exhibit knowledge of safety standards and regulations for precision agricultural equipment.
5. Communicate effectively with stakeholders regarding the benefits and applications of precision agriculture.

## Agricultural Precision Equipment Certificate

### First Year

<b>Fall</b>		<b>Hours</b>
AGR 1500	Precision Agriculture Equipment	3
AGR 1515	Introduction to GPS in Agriculture	3
AGR 1502	Agricultural Mechanics and Systems Technology	3
<b>Term Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>9</b>