

# PRESCRIPTION MAPPING IN AGRICULTURE CERTIFICATE

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The Prescription Mapping certificate will provide students with the skills in prescription mapping to support and operate precision field equipment.


Students will learn to collect, securely move and evaluate quality data across multiple platforms. Instruction will include problem solving exercises with field data collection, interpretation and writing prescription maps from multiple data layers. Field and office based computer and data platforms will be utilized in the instruction. Courses in unmanned aerial vehicle (UAV) operation will provide students the understanding of safe operation and data collection with UAV sensors. Students will be prepared for UAV licensing exam. This is a dynamic curriculum developed to integrate emerging technologies. All courses integrate global and local information along with technology to train students in assessing and working with field variation.

## Technical Standards

See here for details.

## Prescription Mapping in Agriculture Certificate

### First Year

First Semester		Hours
CET 2220	Surveying Fundamentals	3
AGR 1540	Introduction to GIS in Agriculture	3
AGR 1515	Introduction to GPS in Agriculture	3
AVI 1000	Unmanned Aerial Systems	3
COM 1110 	English Composition	3
<b>Term Hours</b>		<b>15</b>

### Second Semester

AVI 1200	Unmanned Aerial Systems Basic Operation	3
AGR 1500	Precision Agriculture Equipment	3
AGR 1501	Prescription Mapping in Agriculture	3
GLG 1000	Physical Geology	4
BIO 1310	Environmental Science I	3
<b>Term Hours</b>		<b>16</b>
<b>Total Hours</b>		<b>31</b>