

# AGRONOMIC PRESCRIPTION MAPPING CERTIFICATE

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The Agronomic Prescription Mapping certificate will provide students with the knowledge and skills to develop site-specific management plans that optimize crop production and resource efficiency. Students will learn to analyze soil and crop data, apply precision agriculture techniques, and create data-driven prescriptions for nutrient and input applications. This certificate prepares graduates to support sustainable farming practices by integrating agronomic principles with advanced mapping technologies.

## Program Learning Outcomes

Upon completion, the student will be able to:

1. Transfer data across various computer applications used in agriculture to improve agriculture efficiency through technology applications.
2. Utilize contemporary agriculture software to develop agronomic and economically sensible prescription mapping plans utilizing data from multiple sources.
3. Demonstrate mastery of agronomic principles towards preparing prescription maps.

## Agronomic Prescription Mapping

### First Year

Fall		Hours
AGR 1402	Principles of Crop Management	3
<b>Term Hours</b>		<b>3</b>
Spring		
AGR 1401	Introduction to Soils for Agronomic Production	3
AGR 1403	Principles of Nutrient Management	3
AGR 1501	Prescription Mapping in Agriculture	3
<b>Term Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>12</b>