AGRICULTURAL DATA ANALYTICS CERTIFICATE

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The Agricultural Data Analytics certificate will equip students with essential skills to collect, analyze, and interpret agricultural data to drive precision farming decisions. Students will gain proficiency in utilizing technology to enhance field management, optimize input usage, and improve overall efficiency in agricultural operations. This certificate prepares students to meet industry demands by developing expertise in data-driven decision-making, spatial analysis, and digital mapping tools.

Program Learning Outcomes

Upon completion, the student will be able to:

1. Analyze agricultural data to inform decision-making in farm management.
2. Utilize data analytics software and tools to interpret trends in crop performance and soil health.
3. Apply statistical methods to support advanced analytical analysis of agricultural data to optimize resources and manage annual risks.
4. Develop actionable insights from data to improve yield, efficiency, and sustainability in agriculture.
5. Communicate data-driven recommendations to agricultural stakeholders.

Agricultural Data Analytics Certificate

First Year

Fall		Hours
AGR 1515	Introduction to GPS in Agriculture	3
AOT 2640	Spreadsheet Software and Applications	3
	Term Hours	**6**
Spring		
AGR 1501	Prescription Mapping in Agriculture	3
AGR 1540	Introduction to GIS in Agriculture	3
	Term Hours	**6**
	Total Hours	**12**