

UNDERGRADUATE

DATA DRIVEN AG MINOR

OPPORTUNITIES ABOUND TO EXPAND THE DATA REVOLUTION INTO AGRICULTURE BY BLENDING DATA SCIENCE SKILLS WITH AGRICULTURAL KNOWLEDGE.

Pursuing the Data Driven Agriculture Minor allows you to gain valuable skillsets to leverage the complex data sources that are becoming increasingly important in all aspects of the agriculture industry.

WHY DIGITAL AG?

- The increase in intensity and volume of data collected generates the need for increased programming and data skills.
- Agricultural domain expertise is needed within the coding, artificial intelligence and cloud computing communities.
- Sensing and communication technologies continue to evolve and their applications in agriculture are growing.
- Even with artificial intelligence and machine learning, human input will continue to be critical to assist with decision-making and data-inference.

SKILLSETS GAINED

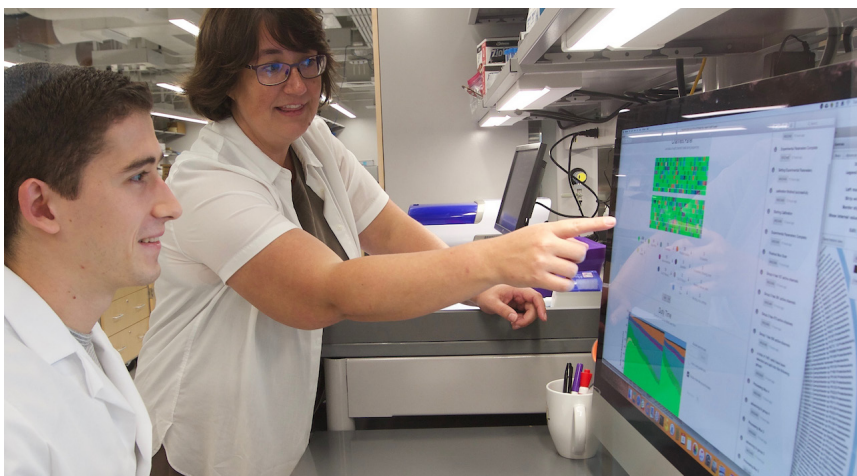
- Foundation in mathematics and statistics.
- Knowledge of data origination (sensors, surveys, web scraping, etc.)
- Data literacy, ethics and management.
- Data applications in agricultural disciplines.
- Data architecture and organization.
- Data-driven decisions.

21 CREDITS

- Data Science for Agriculture (AGR 33300)
- Data Science (ENTM 24200)
- Statistics (STAT 30100)
- Computing selective
- Data acquisition selective
- Data architecture and usage selective
- Data to decisions selective

“The agricultural workforce must grow...to include ‘smart farmers’, engineers and researchers.”

-USDA Ag Innovation Strategy



College of Agriculture