Mizzou
University of Missouri

Certificate in Precision Agriculture Technology

The Precision Agriculture Technology certificate provides students with the knowledge and skills to address a growing industry need in the technology of precision agriculture. The certificate program will prepare and/or enhance students' knowledge of the industry through two key areas:

1. Coursework and intensive on-site labs that focus on precision agriculture technologies utilized by professionals in the field of precision agriculture.
2. Beneficial supporting courses including statistical analysis, plant sciences, soils, and agribusiness management courses.

Requirements

The certificate is composed of 12 credit hours consisting of the following 4 required courses:

Required Courses

AG_S_TCH 4360	Precision Agriculture Basics	3
AG_S_TCH 4365	Advanced Applications of Precision Agriculture	3
AG_S_TCH 4366	Data Analytics in Precision Agriculture	3
AG_S_TCH 4368	Economics of Precision Agriculture	3
Total Credits		**12**

Students are also encouraged to choose from the following suggested courses to further their depth of knowledge and skills in the area. Several of these courses have pre-requisites, so students should plan ahead to complete them in a timely manor.

Suggested Support Courses

STAT 1200	Introductory Statistical Reasoning [required for AG_S_TCH 4360]	3
or ABM 2123	Quantitative Applications in Agricultural and Natural Resource Sciences	
or ABM 2225	Statistical Analysis	
SOIL 2100	Introduction to Soils	3
PLNT_SCI 2110	Who Runs the World? Plants.	3
PLNT_SCI 2125	Plant Structure and Function	4
PLNT_SCI 3270	Forage Crops	3
PLNT_SCI 3275	Grain Crops	3
ABM 3260	General Farm Management	3
SOIL 4313	Soil Fertility and Plant Nutrition	3

Students interested in declaring this certificate should use the online form (https://mizzouone.missouri.edu/launch-task/all/declare-a-minor-or-certificate/?terms=declare%20a%20minor&roles=).