MINOR IN AGRICULTURAL DATA SCIENCE

Requirements
Effective Fall 2024

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

Code	Title	Credits
AB 415	Agricultural Data Science	3
BSPM 487	Internship	3
CS 152	Python for STEM	2-3
or CS 150B	Culture and Coding: Python (GT-AH3)	
DSCI 335	Inferential Reasoning in Data Analysis	3
SOCR 377/AB 377	Geographic Information Systems in Agriculture	3
STAT 158	Introduction to R Programming	1
STAT 301	Introduction to Applied Statistical Methods	3
or STAT 307	Introduction to Biostatistics	
or STAT 315	Intro to Theory and Practice of Statistics	
Electives (select a minimum of 4 credits with at least 3 credits from AB or BSPM list from the list below)		4
Program Total Credits:		**22-23**

Electives

Code	Title	Credits
AB 340	Insect Biotechnology	3
AB 451	Integrated Pest Management	3
AB 511	Microbiome of Plant Systems	3
ANEQ 420	Applied Nutrition–Computer Diet Formulation	3
ANEQ 505	Microbiome of Animal Systems	3
ANEQ 545	Molecular Methods in Animal Genetics	3
ANEQ 575	Computational Biology in Animal Breeding	3
AREC 305	Agricultural and Resource Enterprise Analysis	3
AREC 330	Data-Driven Ag and Res Econ Decision Making	3
AREC 335/ECON 335	Introduction to Econometrics	3
AREC 340/ECON 340	Introduction-Economics of Natural Resources	3
AREC 405	Agricultural Production Management	3
AREC 440	Advanced Environmental and Resource Economics	3
BSPM 361	Elements of Plant Pathology	3
BSPM 365	Integrated Tree Health Management	4
BSPM 528	Invasive Plants/Weeds–Ecosystems to Molecules	3
BZ 360	Bioinformatics and Genomics	4
HORT 330	Computers for Landscape Design	2
HORT 460/SOCR 460	Plant Breeding and Biotechnology	3
SOCR 401	Greenhouse Gas Mitigation, Land Use, and Mgmt	3
SOCR 425	Internet of Ag Things--Sensors and Data Lab	2
SOCR 475	Global Challenges in Plant and Soil Science	3