

Purpose: The 15-17 credit hour minor exposes students to the core challenges facing organizations in food, agricultural, environmental and resource sectors that seek to leverage proliferating sources of data and to help students develop introductory and intermediate skills needed to collect, organize, visualize, analyze and interpret data in an ethical manner. The minor is targeted for those students interested in interacting with and supporting advanced data analytics professionals operating in the food, agricultural, environmental and resource sectors.

Requirements & Responsibilities: All students must take the four (4) required core courses and select at least one course from the list of elective courses to meet the credit hour requirement. 1000-level course work shall not count towards the minor.

Prerequisites: AEDECON 2005 or ANIMSCI 2260 or HCS 2260 or COMLDR 3537; or STAT 1450 or greater.

Required Courses (13 credits):

			Credit Hours
AGSYSMT/HCS	3586	Digital Agriculture with Laboratory	4
AEDECON	4002.01	Analytics for Agribusiness and Applied Economics	3
AGRCOMM	5535	Data Visualization and Scientific Storytelling in FAES	3
AGSYSMT	5580	Data Analytics in Production Agriculture	3

Select 1 additional course (2-4 credits):

STAT	5731 and 5732	Introduction to R for Data Science I: Basic R (1 credit) and Introduction to R for Data Science II: Intermediate R (1 credit)	2
FDSCTE	5500	Measurement of Food Perception and Liking	3
GEOG	4103	Intro Spatial Data Analysis	3
PUBAFRS	4040	Public Sector Data Sciences and Management	3
ENR	3900	Sustainability Metrics	3
INTSTDS	3703	Ethical Issues in the Information Age	3

Restrictions and General Information

1. A minor should be declared by the time a student accumulates 60 hours.
2. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
3. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
4. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
5. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
6. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
7. No more than 3 credit hours of xx93 may count toward the minor.
8. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.