The Ohio State University
College of Food, Agricultural, and Environmental Sciences
Food, Agricultural, and Environmental Sciences Analytics (FAESANL-MN)

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The FAES Analytics 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 helps 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.

The Agricultural Systems Management minor consists of a minimum of 13 credit hours. The minor does not require any prerequisites. However, some courses require Math 1148 and a Physics course such as Physics 1103 or 1200 or 1250. Please check the course catalog for prerequisites.

Prerequisite (1 course, 3 CH):
AEDECON 2005, ANIMSCI 2260, HCS 2260, COMLDR 3537, or STAT 1450 or higher.

Required Courses (4 courses; 13 CH):
Take all of the following:
AGSYSMT/HCS 3586: Digital Agriculture w/ 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)

Required Electives (1-2 courses; 2-4 CH):
Choose **one** of the five options below:
1. STAT 5731: Introduction to R for Data Science I: Basic R (1) **_and_** STAT 5732: Introduction to R for Data Science II: Intermediate R (1)
2. FDSCTE 5500: Measurement of Food Perception and Liking (3)
3. GEOG 4103: Intro Spatial Data Analysis (3) • PUBAFRS 4040: Public Sector Data Sciences and Management (3)
4. ENR 3900: Sustainability Metrics (3)
5. INTSTDS 3703: Ethical Issues in the Information Age (3)

Food, Agricultural, and Environmental Sciences Analytics minor program guidelines:

Credit hours required A minimum of 15 credit hrs. 1000 level courses shall not be counted toward the minor. At least 6 credit hours must be upper-division coursework (3000-level or above) as defined by the College of Food, Agricultural, and Environmental Sciences

Transfer and EM credit hours allowed A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

Overlap with the GE A student is permitted to overlap up to 6 credit hours between the GE and the minor.

Overlap with the major and additional minor(s)
• The minor must be in a different subject than the major.
• The minor must contain a minimum of 12 distinct hours from the major and/or additional minors(s).

Grades required
• Minimum C- for a course to be listed on the minor.
• Minimum 2.00 cumulative GPA for all minor course work.
• Course work graded Pass/Non-Pass cannot count in the minor.
• No more than 3 credit hours of coursework graded Satisfactory/Unsatisfactory may count toward the minor.

X193 credits No more than 3 credit hours of x193 may count toward the minor.

Declaring the minor
Students should see their assigned academic advisor to declare the minor prior to the filing of the graduation application. Students do not need the approval of CFAES to declare the minor.

Approval of Coursework
Initial approval of the minor coursework:
Students who complete the minor following the guidelines on this sheet need only verify with their academic advisor that the minor appears complete on the Degree Audit Report. No approval from CFAES is required.

Approval for courses not listed on this form to apply to the minor program:
Students must obtain the approval of College of Food, Agricultural and Environmental Sciences to apply courses not listed on this form toward the FAES Analytics minor. Please email Jeanne Osborne.2 to request approval.