

# DataFEWSion Graduate Traineeship Program

Data Driven Decision Making at the Nexus of Food-Energy-Water Systems

## Participation Agreement

### DataFEWSion NRT agrees to provide the Trainee:

- Assistantship at \$34,000, tuition, and health benefits for twelve months.
- Two-year training program in FEWS, communication skills, and professional development with the goal of practicing leadership skills through peer review and collaborative sharing.

### The DataFEWSion Trainee agrees to fully participate in the program for two years by:

1. Completing a graduate certificate in Data-Driven Food, Energy and Water Decision Making
2. Fully engaging and participating in the Learning Community by:
  - a. Attending a full day program orientation at the beginning of the Fall, 2021, semester, date to be determined)
  - b. Attending a weekend-long learning/networking event each fall.
  - c. Participating in monthly two-hour workshops focused on professional development and the FEWS nexus
  - d. Participating in and occasionally leading a regular (up to weekly) small group meeting
3. Creating and maintaining an ePortfolio while contributing peer reviews of fellow trainees' work
4. Presenting a verbal and/or visual presentation at the annual DataFEWSion Symposiums.

To be in good standing, the student must participate in the pre-program orientation, symposium, and least 80% of the learning community workshops and small group activities, while maintaining a grade point average of at least 3.0. Funding will begin in May, 2022, contingent on maintaining good standing during the 2021-22 academic year.

### Coursework

With input from your major professor, complete the worksheet of anticipated classes and dates for the *Data-Driven Food, Energy & Water Decision Making Certificate*. The approved coursework electives can be found on the DataFEWSion website

<https://datafewsion.iastate.edu/certificate/>.

	Course Title	Semester	Credits
<b>Core Course</b>			
Fundamentals of the FEWS nexus	ABE 690x: Biosystems for Sustainable Development		2
Communication	Gr St 566: Communications in Science		1
Entrepreneurship	AGRON/BCB/EE/ENGR/ME 693X: Entrepreneurship for Graduate Students in Science and Engineering		1
<b>Electives (select one course from each knowledge area)</b>			
Data acquisition, visualization and analytics			3
Complex system modeling for decision support			3
Economics, policy, sociology of FEWS			3

### NSF NRT DataFEWSion Traineeship Program Participation Agreement:

By signing below, the **Trainee** and **Major Professor** acknowledges that they have discussed the above topics and agreed to the coursework and other expectations of the program.

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DataFEWSion Trainee  
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DataFEWSion Trainee  
SIGNATURE

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Date  
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Major Professor  
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Major Professor  
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