

**Dependable Data Driven Discovery (D4)**

**Participation Agreement for Graduate Stipend Trainees**

**Dependable Data Driven Discovery (D4) NRT agrees to provide the Trainee:**

A training program in D4, in formal foundations, methodology, and tools for assessing and mitigating risks in Dependable Data Driven Discovery from biological and other data. Training also includes professional development and learning community support. All trainees in good standing are entitled to receive twelve consecutive months of stipend (\$34,000), tuition, fees and healthcare, commencing January 1, 2025.

**The D4 trainee agrees to fully participate in the program for at least 18 months by:**

1. Completing the D4 traineeship program.
2. Fully engaging and participating in the:
  - a. Entire Summer Boot Camp, commencing July 24, 2024
  - b. Seminars, D4 research, D4 professional development and learning community sessions, mentoring sessions, industry experiential learning, and D4 outreach activities.
3. To be in good standing, the student must maintain a 3.3 grade point average.
4. Trainees must participate in at least 80% of each of the activities listed above in 2.b.

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

	<b>Course Title</b>	<b>Credits</b>	<b>Background</b>
D4 Requirement	<b>ComS 571X: Responsible AI: Risk Management in Data Driven Discovery (Fall)</b>	3	
D4 Requirement	<b>ComS 590: Special Topics (Spring 2025)</b>	1	
(Professional Development)	<b>ComS 590: Special Topics (Fall 2025)</b>	1	
D4/Major Requirement	<b>GRST 565: Responsible conduct of research in Science &amp; Engineering (Fall, Spring)</b>	1	
D4/Major Requirement	<b>GRST 566: Communications in Science (Fall)</b>	1	
D4/Major Requirement	Research Seminar in your graduate program	ARR	
D4/Major Requirement	Creative component or research course in your graduate major using the knowledge from D4 traineeship. Submit your research report to ISU Digital Repository & to d4info@iastate.edu	3	
D4 Requirement	<b>Choose one of the courses below</b>		
	<b>BCB 546: Computational Skills for Biological Data (Fall, Spring)</b>	3	BCB/Biology
	<b>ChE 545: Analytical &amp; Numerical Methods (Fall)</b>	3	ChE
	<b>ComS 671X: Responsible AI: Advanced Topics in Risk Management in Data Driven Discovery (Spring)</b>	3	ComS
	<b>STAT 587: Statistical Methods for Research Workers (appropriate for non-STAT students) (Spring)</b>	4	STAT
	<b>STAT 501: Multivariate Statistical Methods (for students majoring in Statistics) (Spring)</b>	3	STAT
	<b>STAT 502: Applied Modern Multivariate Statistical Learning (for students majoring in Statistics) (Spring)</b>	3	STAT
	<b>MATH 522X: Mathematical Principles of Data Science (offered Spring 2025) (Spring)</b>	3	Math
	<b>Internship --- optional</b>		