Ph.D. Advanced Data Science Option

Ph.D. students who wish to participate in the Advanced Data Science Option must meet the following requirements, in addition to the requirements for the Ph.D.:

**Additional Requirements**

- Pass three of the following four courses:
  - Either [STAT 509](https://math.washington.edu): Introduction to Mathematical Statistics, or for a more advanced approach, [STAT 512](https://math.washington.edu): Statistical Inference. In the second case, students should consider also taking [STAT 513](https://math.washington.edu), the next course in this sequence.
  - [CSE 546/STAT 535](https://math.washington.edu): Foundational Machine Learning
  - [CSE 544](https://math.washington.edu): Data Management
  - [CSE 512](https://math.washington.edu): Data Visualization
- Students must register for four quarters in the weekly eScience Community Seminar, also known as [CHEM E 599](https://math.washington.edu).

**Recommended Study**

It is recommended that students take a graduate-level course in linear algebra.