

## Certificate in Applied Data Science (CADS)

School of Information and Library Science at the University of North Carolina at Chapel Hill

The Certificate in Applied Data Science (CADS) is designed to equip students with the knowledge and skills to succeed in the modern workforce. Drawing on the data science expertise of the UNC School of Information and Library Science (SILS), the program offers focused training with a strong emphasis on practical workplace applications, including a practicum in which students will complete a project in a real-world setting.

### Coursework

The Certificate requires 9 credit hours of coursework plus a 3 hour practicum for a total of 12 credit hours. All classes are primarily delivered asynchronously to allow all students to fit the required courses into their schedules.

The required classes are:

- [INLS 761: Data Analysis](#) (1.5 credits)
- [INLS 772: Applied Statistics, Machine Learning and Data Communication](#) (3 credits)
- [INLS 773: Database for Data Science](#) (1.5 credits)
- [INLS 774: Applied Data Ethics](#) (1.5 credits)
- [INLS 775: Applied Data Curation and Management](#) (1.5 credits)
- [INLS 792: Applied Data Science Practicum](#) (3 credits)

### Timeline for Completion

Students can be admitted in Fall or Spring semester. Admission decisions for Fall applicants will be made in time to allow for Spring enrollment in CADS classes. Similarly, admission decisions for Spring applicants will be made in time to allow for Fall enrollment in CADS classes. The semester of enrollment will determine how long it takes to complete all CADS curriculum requirements.

**Students applying in the Spring will need three semesters to complete the Certificate.** Students admitted after applying in the fall semester will start coursework the following spring. Completion of the Certificate will require two semesters of traditional coursework followed by a practicum in the final third semester.

Fall	Spring	Fall	Spring
Apply for admission	INLS 761 (1.5 credits) INLS 774 (1.5 credits)	INLS 772 (3 credits) INLS 773 (1.5 credits) INLS 775 (1.5 credits)	INLS 792 (3 credits)

**Students applying in the Spring will need four semesters to complete the Certificate.** Students admitted after applying in the spring semester will start coursework the following fall. Completion of the Certificate will require three semesters of traditional coursework followed by a practicum in the final third semester.

Spring	Fall	Spring	Fall	Spring
Apply for admission	INLS 773 (1.5 credits) INLS 775 (1.5 credits)	INLS 761 (1.5 credits) INLS 774 (1.5 credits)	INLS 772 (3 credits)	INLS 792 (3 credits)