

Minor in Data Science

About This Program

The College of Science offers a Minor in Data Science to pair with an existing major. Course schedule may vary based on transferable credits or credits earned.

Students must gain advising and approval from both the department that offers the minor and from their major department. Failure to gain major department approval can result in no minor applied at graduation and final transcripts.

Competencies

1. Upon completion, students will demonstrate knowledge of fundamentals of mathematics and statistics, in applications to data science.
2. Upon completion, students will demonstrate knowledge of computer programming through receiving a certificate, and therefore passing, a programming course.

Curriculum

Foundations

Select 4 of the following:		16
DATA 3401	PYTHON FOR DATA SCIENCE 1	
DATA 3402	PYTHON FOR DATA SCIENCE 2	
DATA 3421	DATA MINING, MANAGEMENT, AND CURATION	
DATA 3441	STATISTICAL METHODS FOR DATA SCIENCE 1	
DATA 3442	STATISTICAL METHODS FOR DATA SCIENCE 2	
DATA 3461	MACHINE LEARNING	

Electives

Select 1 of the following:		3
DATA 1301	INTRODUCTION TO DATA SCIENCE	
DATA 2301	DATA VISUALIZATION & DATA STORYTELLING	
BIOL 3340	BIOINFORMATICS	
ENVR/GEOL 3454	STATISTICS FOR EARTH AND ENVIRONMENTAL SCIENTISTS	
ENVR/GEOL 4458	MACHINE LEARNING FOR EARTH AND ENVIRONMENTAL SCIENTISTS	
ENVR 4455	ENVIRONMENTAL DATA SCIENCE	
GEOL 4330	UNDERSTANDING GEOGRAPHIC INFORMATION SYSTEMS	
MATH 3313	INTRODUCTION TO PROBABILITY	
MATH 3316	STATISTICAL INFERENCE	
PHYS 2321	COMPUTATIONAL PHYSICS	
PSYC 3325	DATA SCIENCE IN PSYCHOLOGY	
Select an additional Data Science foundations course.		

Total Hours	19
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Students must maintain a minimum GPA of 2.0. Course substitutions may be permitted with the approval of the department offering the minor.

Advising Resources

UNDERGRADUATE AND GRADUATE ADVISING

Location:

Life Science Building Room 206A and 206B

Email:

data.advising@uta.edu

Phone:

817-272-1512

Web:

Speak to an advisor in the Division of Data Science or schedule an appointment. (<https://www.uta.edu/academics/schools-colleges/science/departments/division-data-science/advising/>)