

ACCELERATED 3+2 B.S. IN COMPUTER SCIENCE WITH MS IN DATA SCIENCE

The accelerated curriculum can be completed in five years to obtain the B.S. in Computer Science after four years and the M.S. in Data Science within one additional year. The curriculum for the B.S. in Computer Science is a traditional on-campus program whereas the M.S. in Data science graduate courses are offered online only. The students take one graduate course during the summer preceding the senior year and two additional graduate courses during the senior year. Subsequently, the students complete the requirements for the M.S. in Data Science within one year. The accelerated program applies 9-12 graduate credits for undergraduate courses.

Requirements for Program Admission and Continuation

- Submit an application for the M.S. in Data Science program during the Spring semester of Junior Year
- Meet the M.S. in Data Science admission requirements, except having completed the undergraduate degree program, with undergraduate GPA of at least 2.75
- Demonstrate the necessary Calculus II skills through a placement test and/or by completing the math bootcamp for Data Science students provided by the Department of Mathematics and Computer Science, or by passing MATH 1411 Calculus II or MATH 1511 Calculus II - Math - Phys Sci by Spring of the Junior Year
- Have Senior status (earned at least 90 credits) before taking graduate courses
- Have at least a 3.0 GPA in the undergraduate Computer Science curriculum before taking graduate courses from the Data Science curriculum
- Before taking graduate courses during the fifth year, fulfill all the requirements for admission to the M.S. in Data Science, including having earned the undergraduate degree

Course	Title	Hours
Third Year		
Summer		
DASC 7211 or DASC 7521	Network Analysis * or Operations Research	3
Hours		3
Fourth Year		
DASC 6010	Data Mining **	3
DASC 7111	Text Mining **	3
DASC 7000	Data Visualization ***	3
Hours		9
Fifth Year		
First Semester		
DASC 6811	Statistics for Data Science	3
DASC 7000	Data Visualization ****	3
Hours		6
Second Semester		
DASC 6911	Big Data Analytics	3
Two Electives *****		6
Hours		9
Third Semester		
Summer		
DASC 9311	Data Science Project	3

Select one Elective *****	3
Hours	6
Total Hours	33

- * DASC 7211 Network Analysis or DASC 7521 Operations Research, which shall count as a general elective for the undergraduate requirements.
- ** DASC 6010 and DASC 7111 replace the undergraduate courses CSAS (DASC) 3010 and DASC 3111.
- *** Optionally, students may additionally take DASC 7000 Data Visualization which replaces the undergraduate course DASC 3000
- **** If not yet taken.
- ***** Two elective graduate courses from the M.S. in Data Science curriculum
- ***** Select one elective graduate course from the M.S. in Data Science curriculum.