STATISTICAL DATA SCIENCE, CERTIFICATE (1802)

Program Coordinator
The Graduate Certificate in Statistical Data Science offers a 12-hour program that covers statistics, data science, and some of the underlying statistics and numerical linear algebra in data science with select applications.

Program Admission

1. A 2.75 cumulative GPA.
2. Completion of the following undergraduate courses:
   a. two-semester single-variable calculus sequence;
   b. linear algebra;
   c. discrete mathematics;
   d. statistics or probability course;
   e. one-year sequence of programming courses;
   f. B.A. degree with a major in either Computer Science, Engineering, Mathematics, Statistics, or Physics.
3. A cumulative grade point average of at least 3.0 (on a 4.0 scale) in at least one of the following:
   a. all mathematics and computer science courses that are listed in (a) through (e) of Item 2 above; or
   b. all courses in the major listed in (f) of Item 2 above. Students cannot enter the program if they have a deficiency in the courses listed in Item 2 above.

All applicants must submit the following documents for consideration:

1. Transcripts
2. Curriculum Vitae (CV)

Program Requirements (12 hours)

Code	Title	Hours
Required Courses		
MATH 406G	Numerical Linear Algebra with Applications in Data Science (Numerical Linear Algebra with Applications in Data Science)	3
STAT 480G	Advanced Statistical Data Analysis	3
STAT 549	Statistical Methods I	3
CS 555	Data Science	3
or CS 456G	Artificial Intelligence	
Total Hours		**12**