

B.S.D.S. in Data Science

[Overview](#)

[Degree Requirements](#)

Description

The Bachelor of Science in Data Science (B.S.D.S.) program is an interdisciplinary program with computer science, mathematics and statistics at its core.

Minimum Total Credit Hours: 126

General Education Requirements

For detailed information see the [General Education/Core Curriculum](#) for the School of Engineering.

Candidates for the B.S.D.S. degree must successfully complete the following general education requirements:

- 6 hours from Writ 100, Writ 101, or Hon 101; Writ 102, Liba 102, or Hon 102;
- 3 hours of literature chosen from Engl 220-226;
- 8 hours of laboratory science chosen from Chem 105, 106, 115, 116 or Phys 211, 212, 221, 222 or Bisc 160, 161, 162, 163;
- 6 hours from Math 261 and 262;
- 3 hours from Spch 102 or Spch 105;
- 6 hours of social science chosen from anthropology, economics, political science, psychology, and sociology;
- 3 hours of humanities chosen from classics, English, history, modern languages, philosophy, religion, and African American studies, gender studies, or southern studies;
- 3 hours of fine arts chosen from courses in the history, appreciation, and criticism of art, dance, music, and theatre arts (Courses emphasizing the enhancement of skills and performance are not acceptable.);
- 3 additional hours of fine arts, languages (modern, Greek, or Latin), or humanities.

Course Requirements

Candidates for the B.S.D.S. degree must successfully complete the following requirements in addition to the general education requirements:

- 12 hours from Math 301, 319, 375 and 380
- 3 additional hours of science electives chosen from the laboratory science courses listed above or from Astr 103, 104, Chem 221, 222, Geol 101, 102, 103, 104, 105, 107, 120 (except not both Geol 101 and 104), and biology, chemistry, physics, and geology courses at the 300 level and above. (If a science course has a separate, but coordinated laboratory course, the student is strongly encouraged to enroll for the laboratory section as well as the lecture section.)
- 3 hrs from Engr 101 and Engr 111
- 34 hours from Csci 111 or 113, 223, 256, 300, 325, 343, 356, 375, 433, 443, 444, 487
- 15 hours of computer science electives at the 300+ level with at least two selected from the courses Csci 345, 492, 517, 531, 547 (may take up to two Csci 492 courses of different topics)
- 18 hours for a minor with the exception of data science, computer science, the computing emphasis on digital media studies, general engineering, and math for School of Engineering

