

Sample program

The following sample program is one way of satisfying the requirements for the B.S. in Data Science.

First Year

Fall term	Spring term
Mathematics 32 or 34 Physics 11 English 1 Engineering Science 93	Mathematics 36 Computer Science 11 Introduction to Computer Science Chemistry 1 or 16 Engineering Science 2

Sophomore Year

Fall term	Spring term
Mathematics 42 Computer Science 15 Data Structures Computer Science 61 Discrete Mathematics Physics 12, Chemistry 2, or Biology 13 Humanities, Social Sciences, and Arts elective #1	Mathematics 70 Engineering Management 54 Engineering Leadership Computer Science 40 Computer Architecture Natural Science Elective Free elective #1

Junior Year

Fall term	Spring term
Computer Science 135 Machine Learning Data Science elective #1 Statistics (Electrical Engineering 24) Disciplinary Breadth elective #1 Humanities, Social Sciences, and Arts elective #2	Computer Science 160 Algorithms Data Science elective #2 Disciplinary Breadth elective #2 Humanities, Social Sciences, and Arts elective #3 Free elective #2

Senior Year

Fall term	Spring term
Computer Science or Electrical Engineering 87 Senior Capstone Project in Data Science I Computer Science 136 Statistical Machine Learning (or other Data Science elective #5) Data Science elective #3 Disciplinary Breadth elective #3 Humanities, Social Sciences, and Arts elective #4	Computer Science or Electrical Engineering 88 Senior Capstone Project in Data Science II Mathematics 128 Numerical Linear Algebra Data Science elective #4 Humanities, Social Sciences, and Arts elective #5 Free elective #3