Social Data Analytics is an interdisciplinary major designed to prepare students for careers that make use of “big” data in order to tackle social and political problems. The major integrates courses in the social sciences with relevant ones in statistics, mathematics, information science, and computer science to develop the unique skill set necessary to analyze and contextualize data sources, to think critically about “big” data in relation to specific real-world problems, and to derive and test hypotheses through application of data tools and techniques. In addition, SODA majors will gain practical experience working with data through a capstone project and participation in faculty research.

Admission to the major requires a grade of C or better in MATH 110/140, MATH 111/141, and CMPSC 122, and a grade of B or better in PLSC 309. These courses must be completed by the end of the semester during which admission to the major program is carried out.

Students must complete major requirements with a grade of “C” or better in order to graduate with a degree in Social Data Analytics.
### Core Required Courses

**Political Science**
- Take all of the following:
  - PLSC 010 (GS)
  - PLSC 1 (GS)
  - PLSC 309

**Math**
- Take all of the following:
  - MATH 110 OR 140 (GQ)
  - MATH 111 OR 141 (GQ)
  - MATH 220

**Social Data Analytics**
- Take all of the following:
  - SODA 308
  - SODA 496 (6 cr.)

**Information Sciences and Technology**
- Take all of the following:
  - IST 210

**Computer Science**
- Take all of the following:
  - CMPSC 121
  - CMPSC 122
  - CMPSC 221
  - CMPSC 360

**Statistics**
- Take all of the following:
  - STAT 318
  - STAT 380

**Data Science**
- Take all of the following:
  - DS 220
  - DS 300
  - DS 330

### Foundational and Advanced Political Science Courses

**Foundational PLSC Courses**
- Select 3 cr. from PLSC 3, 7, 14, or 17
  - PLSC ________________

**Additional PLSC Courses**
- Select 6 cr. of additional PLSC courses. 3 cr. must be at the 400-level
  - PLSC ________________
  - PLSC ________________

**Data Intensive**
- Select 9 credits from PLSC 404, 429, 447, or 476. Some PLSC 497 courses may also be approved as data intensive. Please speak with an academic adviser for details.
  - PLSC ________________
  - PLSC ________________
  - PLSC ________________

### General Education Requirements

**Writing/Speaking Skills (GWS)**
- ENGL 15 or 30
- CAS 100
- ENGL 202

**Quantification (GQ)**
- MATH 110 or 140 (GQ)
- MATH 111 or 141 (GQ)

**Natural Sciences (GN)**
- (9 credits)
  - ________________
  - ________________
  - ________________

**Arts (GA)**
- (6 credits)
  - ________________
  - ________________

**Humanities (GH)**
- (6 credits)
  - ________________

**Social and Behavior Sciences (GS)**
- (6 credits)
  - PLSC 010 (GS)
  - PLSC 1 (GS)

**Health and Physical Activity (GHA)**
- (3 credits)
  - ________________

### Ethics Requirement

**Ethics and Technology**
- Select 3 cr. from PHIL 106, 107, 233, 406, 407, or STS 101
  - ________________

### Advanced Analytics Courses

**Advanced Analytics**
- Select 9 credits from CMPSC 431, 448, 465, STAT 319, 440, 464, DS 320, 402, or 410.
  - ________________
  - ________________
  - ________________

### Total Credits: 120

*Additional University requirements: Students must also complete one course from each: US Cultures, Writing Across the Curriculum, First Year Seminar, and International Cultures. **May double count to meet Gen Ed, major, B.A. Requirement, or as an elective.*