



UNDERGRADUATE MAJOR IN SOCIAL DATA SCIENCE

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A MINIMUM GRADE OF C- MUST BE EARNED IN ALL BENCHMARKS, SDSC CORE COURSES, AND SDSC MAJOR ELECTIVES.

MATH REQUIREMENT

Must be completed within the first 30 credits after declaring the major

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Elementary Statistics and Probability

Pre-requisite: MATH110, MATH112, MATH113, or MATH115; or permission of CMNS-Mathematics department; or must have math eligibility of STAT100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility

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Precalculus

Pre-requisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113.

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Choose only 1 between INST126 and GEOG276

INST126

Intro to Programming

Pre-requisite: Math placement of STAT100 or higher
Equivalent courses approved by the iSchool may fulfill this requirement; please see an advisor

GEOG276

Principles of Python Programming and Geocomputing

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Must be completed within the first 60 credits after declaring the major

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Statistics for Information Science

Pre-requisite: Minimum grade of C- in INST126 or GEOG276; and minimum grade of C- in STAT100, and MATH115 (or higher)

Choose only 1 course between ANTH210, ANTH220, and ANTH240

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Introduction to Medical Anthropology and Global Health

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Introduction to Biological Anthropology

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Introduction to Archaeology

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Choose only 1 between INST326, BSOS326, or GEOG376

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Data Science for the Social Sciences

Pre-requisite: Minimum grade of C- in MATH115 or higher

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Object-Oriented Programming for Information Science

Pre-requisite: Minimum grade of C- in INST126 or GEOG276

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Database Design and Modeling

Pre-requisite: Minimum grade of C- in INST126 or GEOG276

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Python Programming for the Social Sciences

Pre-requisite: Minimum grade of C- in MATH115 or higher

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Privacy, Security, and Ethics for Big Data

Pre-requisite: Minimum grade of C- in INST126 or GEOG276; and minimum grade of C- in STAT100; and minimum grade of C- in one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, or SOCY100)

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Introduction to Computer Programming

Pre-requisite: GEOG276 and GEOG373; Must have completed or be concurrently enrolled in MATH120, MATH130, or MATH140; or must have completed MATH220



UNDERGRADUATE MAJOR IN SOCIAL DATA SCIENCE

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Advanced Data Science

Pre-requisite: Minimum grade of C- in MATH115 (or higher) and STAT100; and a minimum grade of C- from INST126 or GEOG276; and a minimum grade of C- from one of the following (INST201, INST301, or BSOS233); and a minimum grade of C- from one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, or SOCY100); and a minimum grade of C- from one of the following (ECON230, GEOG306, GVPT201, INST314, PSYC200, or SOCY201)

BGH(+)

Data Sources and Manipulation

Pre-requisite: Minimum grade of C- in STAT100 and INST327; and a minimum grade of C- from one of the following (INST201, INST301, BSOS233); and a minimum grade of C- from one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, or SOCY100); and a minimum grade of C- from one of the following (ECON230, GEOG306, GVPT201, INST314, PSYC200, or SOCY201); and a minimum grade of C- from one of the following (BSOS331, GEOG273, or INST326)

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Intro to Digital Visualization

Pre-requisite: Minimum grade of C- in STAT100; minimum grade of a C- from one of the following (INST201, INST301, or BSOS233); minimum grade of C- in INST126 or GEOG276; a minimum grade of C- from one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, or SOCY100); and a minimum grade of C- from one of the following (ECON230, GEOG306, GVPT201, INST314, PSYC100, or SOCY201)

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Fundamentals of Survey and Data Science

Pre-requisite: Minimum grade of C- in STAT100; or permission of BSOS-Joint Program in Survey Methodology department

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Fundamentals of Questionnaire

Requirement: Permission of BSOS-Joint Program in Survey Methodology department

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Capstone

Pre-requisite: Minimum grades of C- or higher in all of the Core Courses

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Choose 3 credits in Track I

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Method and Theory in Medical Anthropology and Global Health

Pre-requisite: ANTH210

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Method and Theory in Ecological Anthropology

Pre-requisite: ANTH220 or ANTH222

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Method and Theory in Archaeology

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Choose 9 credits from one group in Track II