Statistical Reasoning Requirement

The Statistical Reasoning requirement is designed to ensure that students graduate with basic understanding and competency in inference and prediction. The requirement may be satisfied by exam or by taking an approved course. Coursework used to satisfy Statistical Reasoning must be completed with a letter grade of C- or higher.

Satisfying Statistical Reasoning with an Exam

Exam	Minimum Score Required
Advanced Placement Exam in Statistics	3, 4, or 5
nternational Baccalaureate Higher Level (HL) Exam in Mathematics, Applications and Interpretation (https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/subject-brief-dp-math-applications-and-interpretations-en.pdf)	5, 6, or 7
GCE A-level Mathematics Exam in Probability and Statistics	A, B, or C (or 1, 2, or 3)

Satisfying the Statistical Reasoning Requirement with a Berkeley Course

The following Berkeley course options, completed with a letter grade of C- or higher, satisfy the Statistical Reasoning requirement:

STAT/DATA/COMPSCI C8	Foundations of Data Science (Can be used to satisfy either Computational Reasoning or Statistical Reasoning, but not both.)	4
STAT 2	Introduction to Statistics	4
STAT 20	Introduction to Probability and Statistics	4
STAT 21	Introductory Probability and Statistics for Business	4
STAT W21	Introductory Probability and Statistics for Business	4

Those students prepared to complete an upper division (courses numbered 100-199) course in lieu of an approved lower-division course (courses numbered 1-99), should contact CDSS advising (cdss-undergrad@berkeley.edu) to confirm approval prior to enrollment. Only courses valued at 3 units or higher, and with a prerequisite of one of the approved lower-division courses will be considered.

Satisfying the Statistical Reasoning Requirement with a CDSS major

The Statistics and Data Science major programs automatically satisfy Statistical Reasoning through their major requirements.

Satisfying Statistical Reasoning Requirement with a Transfer Course

All transfer courses pursued for Statistical Reasoning must be completed with a C- or higher.

- Students can complete a pre-approved Statistical Reasoning course at a California Community College. Pre-approved courses can be found on ASSIST (http://www.assist.org/web-assist/welcome.html). Refer to the CDSS Transfer Credit webpage for instructions on how to take transfer credit as a CDSS student before enrolling at a California Community College.

- Successful completion of transferable courses from other higher education institutions (i.e., 2-year or 4-year campus in the U.S. or non-UCEAP courses from abroad) may also be considered. Course descriptions and syllabi will be required to make a determination. For more information on pursuing transfer courses for Statistical Reasoning at another higher education institution, review CDSS's Transfer Credit: Other Higher Education Institutions webpage.