DATA SCIENCE, BACHELOR OF SCIENCE

College of Letters & Science

The Data Science program will not accept majors until Fall 2022.

Department Office
4118B Mathematical Sciences; 530-752-1053; Statistics (https://statistics.ucdavis.edu/)

The B.S. Major
Data Science combines computational, mathematical and statistical reasoning to draw conclusions based on data. Data science techniques and methods can be applied to problems from virtually any discipline; for example, in agricultural and environmental sciences, biological sciences, engineering, medical sciences and social sciences.

The Program
Data Science majors receive a Bachelor of Science degree. The program requires both theoretical and applied course work to underscore the strong interdependence of technical foundations in computer science, engineering, mathematics and statistics, and their applications to any field of inquiry relying on quantitative data analysis. The B.S. degree program has one track, the Foundations track.

B.S. in Data Science-Foundations Track emphasizes the underlying computer science, engineering, mathematics and statistics methodology and theory, and is especially recommended as preparation for graduate study in data science or related fields.

Career Opportunities
Inferential and computational techniques are used in many fields, including the agricultural and environmental sciences, biological sciences, social sciences, and health sciences, business, and engineering. The wide applicability of data science is reflected in the strong demand for graduates with data science training in both the public and private sectors. Employment opportunities include careers in data & policy analysis in government & industry, tech industry, insurance & healthcare industry, engineering, public health, biological & pharmaceutical research, law, and education. Students with an undergraduate degree in data science may enter advanced studies in data science, computer science, applied mathematics, statistics, economics, finance, psychology, medicine, business management & analytics, and other professional school programs.

Major Advisor
The Data Science major will not accept majors until Fall 2022. To learn more about other majors in the Department of Statistics that are currently accepting students, please consult Statistics Undergraduate Advising (https://statistics.ucdavis.edu/undergrad/advising/).

Foundations Track

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECS 017</td>
<td>Data, Logic, &amp; Computing</td>
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<td>ECS 032A</td>
<td>Introduction to Programming</td>
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