

# DATA SCIENCE MINOR

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This program is available at the following locations:

- Corvallis
- Ecampus

The data science minor provides students with a strong foundation in statistical reasoning, computational tools, and data visualization, as well as a comprehensive understanding of the ethical implications involved in data analysis and models. The minor welcomes students from all majors who want to expand their analytical skills and increase their opportunities in data-informed careers.

**Minor Code: A061**

*Upon successful completion of the program, students will meet the following learning outcomes:*

- Assess real-world data problems and propose analytical methods to achieve effective and ethical solutions.
- Construct meaningful and accurate real-world conclusions from a statistical analysis.
- Combine tools for data manipulation and visualization to collect, tidy, and manipulate data to create visualizations to answer questions of interest.

| Code  | Title                                    | Credits   |
|---|--|-----------|
| <b>Required Core</b>  |  |           |
| DS 201  | +INTRODUCTION TO DATA SCIENCE            | 4         |
| DS 231  | PYTHON PROGRAMMING FOR DATA SCIENCE      | 4         |
| DS 350  | +DATA FOR GOOD                           | 3         |
| ST 351  | INTRODUCTION TO STATISTICAL METHODS      | 4         |
| or ST 314   | INTRODUCTION TO STATISTICS FOR ENGINEERS |           |
| ST 437  | DATA VISUALIZATION                       | 3         |
| <b>Electives</b>  |  |           |
| Select 9 credits of a data science nature including at least 3 credits of upper-division <sup>1</sup> |  | 9         |
| <b>Total Credits</b>  |  | <b>27</b> |

+ Core Education course. Applies to general education requirements for undergraduate students in catalog year 2025-2026 and beyond

<sup>1</sup> These may include non-blanket upper-division BDS, CS, MTH, ST courses or other courses approved by the departmental head advisor

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