

ADVANCED DATA SCIENCE OPTION

This option is available within the Data Science (<https://catalog.oregonstate.edu/college-departments/science/statistics-data-science/data-science-bs-hbs/>) major at the following locations:

- Corvallis
- Ecampus

The Advanced Data Science option provides data science majors with a strong foundation in advanced theoretical concepts, preparing them for graduate studies in fields like data science, statistics, and biostatistics.

Option Code: A052

Options follow the learning outcomes of the major. For this option, refer to the learning outcomes of the Data Science (<https://catalog.oregonstate.edu/college-departments/science/statistics-data-science/data-science-bs-hbs/#learningoutcomestext>) major.

Code	Title	Credits
Required Core		
MTH 254	VECTOR CALCULUS I	4
DS 451	METHODS OF DATA ANALYSIS FOR COMPLEX AND NETWORK DATA	3
DS 453	BAYESIAN MODELS FOR DATA SCIENCE	4
CS 325	ANALYSIS OF ALGORITHMS	4
ST 407	SEMINAR (Attendance at Consulting Practicum)	1
Electives		
Select additional electives from ST, DS, CS, MTH, BDS or others with advisor approval ¹		5
Total Credits		21

¹ A minimum of 15 upper-division credits are required in the option

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