MS in Data Science and Analytics with Emphasis in BioHealth Analytics

Degree Requirements

In addition to the core program objectives (https://catalog.missouri.edu/graduateschool/datascienceanalytics/ms-data-science-analytics/), graduates of the Masters of Science in Data Science and Analytics who pursue the BioHealth Analytics emphasis area will achieve the following educational objectives:

- Students will be able to possess an in-depth understanding of the data analytics needs in biotechnology and healthcare industries in the US and worldwide;
- Students will develop hands-on skill sets in understanding and processing multi-omics data and public/population health data, as well as large-scaled electronic health records;
- Students will have the ability to practice their analytic skill sets to applications in areas such as, agriculture, animals, and human healthcare, through case studies and capstone projects.
- Students will be able to visualize and interpret their data analytic results with actionable plans in biotech and healthcare industries.

Emphasis Area Electives

DATA_SCI 8110	Genomics Analytics	3
DATA_SCI 8120	Multi-Omics Analytics	3
DATA_SCI 8130	Data Science for Health Care	3
DATA_SCI 8140	Advanced Methods in Health Data Science	3
DATA_SCI 8150	Precision Medicine Analytics	3
DATA_SCI 8160	Population Health Analytics	3

Note: Not all electives are offered each academic year.