

MINOR IN APPLIED DATA SCIENCE

Requirements Effective Fall 2020

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

| Code | Title | Credits |
|--|---|-----------|
| CS 152 | Python for STEM | 2 |
| DSCI 335 | Inferential Reasoning in Data Analysis | 3 |
| DSCI 369 | Linear Algebra for Data Science | 4 |
| STAT 158 | Introduction to R Programming | 1 |
| STAT 301 | Introduction to Applied Statistical Methods | 3 |
| or STAT 307 | Introduction to Biostatistics | |
| or STAT 315 | Intro to Theory and Practice of Statistics | |
| STAT 341 | Statistical Data Analysis I | 3 |
| Elective (select a minimum of 6 credits from the list below) | | 6 |
| Program Total Credits: | | 22 |

Electives

| Code | Title | Credits |
|-------------------|--|---------|
| AREC 335/ECON 335 | Introduction to Econometrics | 3 |
| BZ 350 | Molecular and General Genetics | 4 |
| BZ 425 | Conservation and Population Genomics | 3 |
| CS 345 | Machine Learning Foundations and Practice | 3 |
| ERHS 332 | Principles of Epidemiology | 3 |
| ERHS 430 | Human Disease and the Environment | 3 |
| ESS 330 | Quantitative Reasoning for Ecosystem Science | 3 |
| F 321 | Forest and Natural Resource Biometry | 3 |
| FW 370 | Design of Fish and Wildlife Projects | 3 |
| FW 401 | Fishery Science | 3 |
| FW 455 | Principles of Conservation Biology | 3 |
| FW 469 | Conservation and Management of Large Mammals | 3 |
| FW 475 | Conservation Decision Making | 3 |
| GEOL 454 | Geomorphology | 4 |
| HDFS 350 | Applied Research Methods | 3 |
| MKT 410 | Marketing Research | 3 |
| PSY 250 | Research Design and Analysis I | 3 |
| PSY 350 | Research Design and Analysis II | 3 |
| RS 432 | Rangeland Measurements and Monitoring | 2 |
| SOWK 300 | Translational Social Work Research | 3 |
| STAT 305 | Sampling Techniques | 3 |
| STAT 342 | Statistical Data Analysis II | 3 |
| WR 416 | Land Use Hydrology | 3 |