

ROADMAP FOR MS-STAT STARTING FALL 2025

| 1ST SEMESTER (10 UNITS) | 2ND SEMESTER (8 UNITS) |
|---|--|
| STAT 620 (4 Units) Probability and Statistical Theory | STAT 633A (4 Units) Linear Models I |
| STAT 630 (4 Units) Statistical Methods | STAT 640A (2 Units) Advanced Statistical Theory I |
| Choose ONE (2 Units) <ul style="list-style-type: none"> • STAT 650A Advanced R for Data Science • STAT 650B - Python for Data Science | Choose ONE Elective (2 Units) |
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| 3RD SEMESTER (8 UNITS) | 4TH SEMESTER (8 UNITS) |
| STAT 633B (4 Units) Linear Models II | STAT 692 (2 Units) Comprehensive Exam Review |
| Choose TWO Electives (4 Units) | Choose THREE Electives (6 Units) |

ELECTIVES: (All 2 units each)

- STAT 651 - Data Visualization
- STAT 652 - Statistical Machine Learning
- STAT 653 - Statistical Natural Language Processing
- STAT 640B - Advanced Statistical Theory II
- STAT 674 - Time Series
- STAT 694 - Applied Research in Statistics and Biostatistics
- BSTA 662A - Survival Analysis I
- BSTA 662B - Survival Analysis II
- BSTA 663 - Clinical Trials in the Pharmaceutical and Biomedical Industries