*Content Area Prerequisites Course Equivalents*

**Number** ST431 **Credits** 2

**Course Title** Mathematical Statistics

**Description** This course provides a mathematical treatment of probability and statistics. Topics include: several descriptions of the concept of probability, univariate and bivariate probability distributions, joint and marginal probability distributions, covariance, hypothesis testing, estimation, data analysis, and sampling distributions. Prerequisite: M332 (may be concurrent) and ST232.

**Number Course Title Distance Credits School**

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| MATH 251 | Introduction to Probability and Statistics | Traditional | 4 | Metropolitan State University |
| STAT 3022 | Data Analysis | Traditional | 4 | University of Minnesota |
| MTH 441 | Mathematical Statistics I | Traditional | 3 | University of Wisconsin LaCrosse |
| MATH 357 | Mathematical Statistics | Traditional | 3 | University of Wisconsin River Falls |
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