*Content Area Prerequisites Course Equivalents*

**Number** M361 **Credits** 3

**Course Title** Operations Research

**Description** This course is required for the mathematics education major, providing an introduction to techniques and applications of operations research. Topics include: linear programming, game theory, queuing theory, Markovian decision processes, and decision theory.

**Number Course Title Distance Credits School**

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| --- | --- | --- | --- | --- |
| MATH 360 | Operations Research | Traditional | 4 | Metropolitan State University |
| MATH 435 | Operations Research: Modeling | Traditional | 3 | Winona State University |
| MATH 430 | Operations Research: Linear | Traditional | 3 | Winona State University |
| MTH 448 | Operations Research | Traditional | 3 | University of Wisconsin La Crosse |
| MATH 335 | Operations Research Methods | Traditional | 3 | St. Cloud State University |
|  | Math Modeling (Honors Colloq) | Traditional |  | University of Wisconsin La Crosse |
|  | Mathematical Modeling | Traditional |  | St. John’s University |
|  | Discrete & Finite (Linear Program.) | Traditional |  | Winona State University |
|  | Operations Mgt (Simplex algorithm) |  |  |  |
| MATH 469 | Discrete Applied Mathematics | Traditional | 4 | Macalester College |
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