*Content Area Prerequisites Course Equivalents*

**Number** M301 Foundations of Mathematics **Credits** 2

**Course Title** Foundations of Mathematics

**Description** This course looks at topics central to further study in mathematics. Topics include symbolic logic, especially as it applies to mathematical proof; methods of mathematical proof such as direct proof, indirect proof, proof by induction; use and meaning of mathematical quantifiers and predicates; sets; relations; equivalence relations and partitions; order relations; functions and their properties; and complex numbers.

**Number Course Title Distance Credits School**

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| --- | --- | --- | --- | --- |
| MATH 2218 | Discrete Mathematics | Traditional | 4 | Rochester Community & Technical |
| MATH 210 | Discrete Mathematics & Foundations | Traditional | 4 | Winona State University |
| MATH 310 | Number Theory | Traditional | 3 | Winona State University |
| MTH 225 | Mathematical Logic | Traditional | 3 | University of Wisconsin LaCrosse |
| MATH 215 | Discrete Mathematics | Traditional | 4 | Metropolitan State University |
| MATH 2100 | Discrete Mathematics | Traditional | 4 | Anoka Ramsey Community College |
| MATH 273 | Discrete Mathematics I | Traditional | 4 | St. Cloud State University |
| MATH 208 | Discrete Mathematics | Distance | 3 | University of North Dakota |
| MTH 225 | Mathematical Logic | Traditional | 3 | University of Wisconsin LaCrosse |
| MATH2218 | Discrete Mathematics | Traditional | 4 | Rochester Community & Technical |
| MATH 236 | Discrete Mathematics | Traditional | 3 | University of Wisconsin River Falls |
| MATH 236 | Discrete Mathematics | Traditional | 3 | University of Wisconsin River Falls |
| MATH 2011 | Discrete Mathematics | Traditional | 4 | Minneapolis Community Technical |
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