

**Grand Rapids Community College - Aquinas College
Articulation Agreement**

MATHEMATICS / CIS MINOR

Fall 2021

Minor Requirements: 24 semester hours. **At least 12 credits must be taken at Aquinas and at least 2 courses must be taken through the Computer Science Department.** This minor may not be combined with a CIS or Math major. A cumulative GPA of 2.3 is required for the minor. Only courses with a grade of C- or better will count toward the minor

AQUINAS REQUIREMENTS

_____	CS 180 Structure and Logic	4.0
_____	MS 121 Calculus I	4.0
_____	MS 170 Technology and Math Seminar	1.0
_____	MS 240 Discrete Mathematics	3.0
_____	MS/CS399 Independent Project	V

TRANSFER REQUIREMENTS

_____	CIS	129 C# Programming 1
_____	MA	133 Calculus with Analytic Geometry 1
_____	MA	138 Introduction to Computer Algebra Systems
_____	MA	245 Discrete Mathematical Structures

Remaining credit hours chosen from:

_____	MS 122 Calculus II	4.0	MA	134 Calculus with Analytic Geometry 2
_____	MS 232 Linear Algebra	3.0	_____	_____
_____	MS 252 Statistics	3.0	MA	215 Statistics
_____	MS 309 Theory of Numbers	3.0	_____	_____
_____	MS 310 Modern Cryptography	3.0	_____	_____
_____	MS 332 Numerical Analysis	3.0	_____	_____
_____	CS 170 Principles of Operating Systems	3.0	_____	_____
_____	CS 182 Data Structures with C#	4.0	CIS	227 or 229 C++ Programming II
_____	CS 242 Database Theory	4.0	_____	_____
_____	CS 332 Installing, Configuring, and Adminis	3.0	CIS	234 Microsoft Windows Server Administration I

Please Note: Aquinas College reserves the right to change, modify or amend the above-stated requirements and/or courses in its sole discretion and without prior notice.

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