

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

Biochemistry & Molecular Biology Major

Bachelor of Science

As of Fall 2021

Major Requirements: 70 semester hours. At least 36 semester hours must be taken at Aquinas. All majors must attend at least seminars sponsored by the Natural Science and/or Math Departments. BMB majors may not declare additional majors/minor Biology or Chemistry. A GPA of 2.0 must be maintained with no more than one C-. A minimum of a C is required in BY 170 & BY 171.

AQUINAS REQUIREMENTS

_____	BY 170 Introduction to Organisms	4.0
_____	BY 171 Introduction to Cells	4.0
_____	BY 328 Genetics	5.0
_____	BY 326 Cell Biology	4.0
_____	BMB 305 Advanced Biochemistry & Molecular Biology	3.0
_____	BMB 315 Molecular Techniques	3.0
_____	CS 152 Spreadsheets	1.0
_____	CY 111 General Chemistry I	4.0
_____	CY 112 General Chemistry II	4.0
_____	CY 211 Organic Chemistry I	4.0
_____	CY 212 Organic Chemistry II	4.0
_____	CY 325 Biochemistry	4.0
_____	CY 400 Undergraduate Seminar/Research (SC w/CY400)	1.0
_____	CY 401 Undergraduate Seminar/Research (SC w/CY400)	2.0
_____	MS121 Calculus I	4.0
_____	PC 213 General Physics w/Calc: Mech, Sound, Heat	4.0
_____	PC 214 Gen Phys w/Calc: Elect, Mag, Light, Nuc Phys	4.0

TRANSFER EQUIVALENTS

_____	BI 152 Biological Diversity OR
_____	BI 153 AND 154 Plant/Animal Biology
_____	BI 151 Intro to Cells, Molecules, Genes
_____	_____
_____	_____
_____	_____
_____	CIS 156 Excel
_____	CHM 130 & 131 (combined) Gen Chem
_____	CHM 140 & 141 (combined) Gen Chem
_____	CHM 260 & 261 (combined) Organic Chem
_____	CHM 270 & 271 (combined) Organic Chem
_____	_____
_____	_____
_____	MA 133 Calculus w/Analytic Geom
_____	PH 245 Calculus Physics 1
_____	PH 246 Calculus Physics 2
_____	_____
_____	_____
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A minimum of 4 semester hours from the following:

_____	BY 350 Evolution	4.0
_____	BY 361 Immunology	4.0
_____	BY 372 Physiology	4.0
_____	CY 346 Instrumental Methods of Analysis (WI)	4.0

Recommended Courses:

_____	MS 122 Calculus II	4.0
_____	MS 231 Multivariate Calculus	4.0
_____	MS 252 Statistics	3.0

_____	MA 134 Calculus w/Analytic Geom
_____	MA 255 Calculus w/Analytic Geom
_____	MA 215 Statistics

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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