

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

CHEMISTRY MAJOR

Bachelor of Science

As of Fall 2021

Major Requirements: 59 semester hours. At least 20 semester hours of Chemistry must be taken at Aquinas. All majors must attend at least 10 seminars sponsored by the Department of Chemistry. Majors are required to take the Major Field Test in Chemistry. An internship or research experience in Chemistry is strongly recommended. A GPA of 2.0 must be maintained with no more than one C-.

AQUINAS REQUIREMENTS

_____	CY 111 General Chemistry I	4.0
_____	CY 112 General Chemistry II	4.0
_____	CY 211 Organic Chemistry	4.0
_____	CY 212 Organic Chemistry	4.0
_____	CY 215 Quantitative Analysis	4.0
_____	CY 311 Physical Chemistry I	4.0
_____	CY 312 Physical Chemistry II	4.0
_____	CY 315 Advanced Organic Chemistry OR CY 346 Instrumental Methods of Analysis	4.0
_____	CY 346 Instrumental Methods of Analysis (WI)	4.0
_____	CY 400 Undergrad Seminar / Research	1.0
_____	CY 401 Undergrad Seminar / Research	2.0
_____	CS 152 Spreadsheets	1.0
_____	MS 121 Calculus with Analytical Geom.	4.0
_____	MS 122 Calculus with Analytical Geom.	4.0
_____	MS 252 Statistics or MS 494 Statistics	3.0
_____	PC 213 Mechanics, Sound, and Heat	4.0
_____	PC 214 Electricity, Magnetism and Light	4.0

Recommended Elective Courses

_____	CY 325 Biochemistry	4.0
_____	CY 398 Readings in Chemistry	1.0
_____	CY 399 Independent Project	1 to 3
_____	MS 231 Multivariate Calculus	4.0
_____	MS 232 Linear Algebra	3.0
_____	MS 241 Differential Equations	3.0
_____	MS 321 Abstract Algebra	4.0

TRANSFER EQUIVALENTS

_____	<u>CHM 130 & 131 (combined) Gen Chem</u>
_____	<u>CHM 140 & 141 (combined) Gen Chem</u>
_____	<u>CHM 260 & 261 (combined) Organic Chem</u>
_____	<u>CHM 270 & 271 (combined) Organic Chem</u>
_____	<u>CHM 280 Quantitative Chemical Analysis</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	<u>CIS 156 Excel</u>
_____	_____
_____	<u>MA 133 Calculus with Analytic Geom</u>
_____	<u>MA 134 Calculus with Analytic Geom</u>
_____	<u>MA 215 Statistics</u>
_____	_____
_____	<u>PH 245 Calculus Physics 1</u>
_____	<u>PH 246 Calculus Physics 2</u>

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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