

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

## CHEMICAL PHYSICS MAJOR

*Bachelor of Science*

As of Fall 2021

Major Requirements: 67 semester hours. At least 30 semester hours must be taken at Aquinas. All majors must attend at least 8 seminars sponsored by the Departments of Chemistry or Physics. 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 215	Quantitative Analysis	4.0
_____	CY 311	Physical Chemistry	4.0
_____	CY 312	Physical Chemistry	4.0
_____	CY 336	Advanced Inorganic Chemistry	4.0
_____	CY 346	Instrumental Methods of Analysis	4.0
_____	CY 400	Undergrad Seminar / Research	1.0
_____	CY 401	Undergrad Seminar / Research	2.0
_____	CS 152	Spreadsheets (must be taken before CY 1	1.0
_____	MS 121	Calculus with Analytic Geometry	4.0
_____	MS 122	Calculus with Analytic Geometry	4.0
_____	MS 231	Multivariate Calculus	4.0
_____	MS 241	Differential Equations	3.0
_____	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
_____	PC 215	Modern Physics	4.0
_____	PC 316	Applied Mathematics for the Physical Scier	4.0

### TRANSFER EQUIVALENTS

_____	<u>CHM 130 &amp; 131 (combined) Gen Chem 1 &amp; Lab</u>
_____	<u>CHM 140 &amp; 141 (combined) Gen Chem 2 &amp; Lab</u>
_____	<u>CHM 280 Quantitative Chemical Analysis</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	<u>CIS 156          Excel</u>
_____	<u>MA 133 Calculus with Analytic Geometry 1</u>
_____	<u>MA 134 Calculus with Analytic Geometry 2</u>
_____	<u>MA 255 Calculus with Analytic Geometry 3</u>
_____	<u>MA 257 Differential E and Linear A</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.