

CHEMISTRY MAJOR FOR SECONDARY EDUCATION

Fall 2021

Major Requirements: 59 semester hours. This major must be combined with the Secondary Professional Preparation courses required for teacher certification. **At least 20 semester hours must be taken at Aquinas.** All majors must attend at least 10 seminars sponsored by the Department of Chemistry. Only courses with a grade of C or better will count toward the major.

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 336 Advanced Inorganic Chemistry	4.0
_____	CY 346 Instrumental Methods of Analysis	4.0
_____	CY 400 Undergraduate Seminar/Research	1.0
_____	CY 401 Undergraduate Seminar/Research	2.0
_____	CS 152 Spreadsheets (must be taken before CY112)	1.0
_____	MS 121 Calculus I	4.0
_____	MS 122 Calculus II	4.0
_____	MS 252 Statistics	3.0
_____	PC 213 Mechanics, Sound, Heat w/calc	4.0
_____	PC 214 Electricity, Mag, Light w/calc	4.0

TRANSFER EQUIVALENTS

_____	CHEM151 GENERAL CHEMISTRY LECTURE I & CHEM161 GENERAL CHEMISTRY LAB I
_____	CHEM152 GENERAL CHEMISTRY LECTURE II & CHEM162 GENERAL CHEMISTRY LAB II
_____	CHEM251 ORGANIC CHEMISTRY LECTURE I & CHEM272 ORGANIC CHEMISTRY LABORATORY
_____	CHEM252 ORGANIC CHEMISTRY LECTURE II
_____	CHEM262 QUANTITATIVE ANALYSIS
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	CITA126 MICROSOFT EXCEL
_____	_____
_____	MATH151 CALCULUS I or MATH161 HONORS CALC MATH152 CALCULUS II
_____	_____
_____	_____
_____	PHYS251 PHYSICS I WITH CALCULUS
_____	_____

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.

JULUS I