

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 Aq** attend at least 10 seminars sponsored by the Department of Chemistry. Majors are required to take the Maj Chemistry. An internship or research experience in Chemistry is strongly recommended. A GPA of 2.0 must more than one C-.

AQUINAS REQUIREMENTS

TRANSFER EQUIVALENTS

_____	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 (WI)	4.0
_____	CY 400 Undergrad Seminar / Research (SC)	1.0
_____	CY 401 Undergrad Seminar / Research (SC)	2.0

_____	CS 152 Spreadsheets (prerequisite for CY 112)	1.0
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_____	MS 121 Calculus I	4.0
_____	MS 122 Calculus II	4.0
_____	MS 252 Statistics or MS 494 Statistics	3.0

_____	PC 213 Mechanics, Sound, and Heat	4.0
_____	PC 214 Electricity, Magnetism, Light, & Nuclear Physic	4.0

Recommended Courses:

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

<u>CHEM 101</u>	<u>LEC General and In</u>
<u>CHEM 102</u>	<u>LEC General and In</u>
<u>CHEM 201</u>	<u>Organic Chem</u>
<u>CHEM 202</u>	<u>Organic Chem</u>
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_____	_____
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<u>CIS 101</u>	<u>or CIS 102</u>

<u>MATH 161</u>	<u>Calculus I</u>
<u>MATH 162</u>	<u>Calculus II</u>
<u>MATH 215</u>	_____

<u>MATH 283</u>	<u>Calculus III</u>
<u>MATH 276</u>	<u>Linear Algebra</u>
<u>MATH 295</u>	<u>Differential Eq</u>

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

College

Prerequisites. All majors must
pass the Field Test in
Chemistry to be maintained with no

Organic Chemistry
Organic Chemistry
Organic Chemistry Lecture
Organic Chemistry Lecture

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with Applications
Applications with Linear Algebra

is and/or courses