

CHEMISTRY MAJOR

Bachelor of Science

Fall 2017 - Summer 2018

Name: _____

I.D. # _____

Major Requirements: 39 semester hours of Chemistry and 20 semester hours of Physics/Math/Computer Information Systems. At least 20 semester hours must be taken at Aquinas and a GPA of 2.0 must be maintained with no more than one C-. Required to take the Major Field Test in Chemistry.

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 346 Instrumental Methods of Analysis	4.0
_____	CY 400 Undergrad Seminar / Research	1.0
_____	CY 401 Undergrad Seminar / Research	2.0
_____	CY 315 Advanced Organic Chemistry	4.0
_____	OR	
_____	CY 336 Advanced Inorganic Chemistry	4.0

TRANSFER EQUIVALENTS

<u>CHEM</u>	<u>220</u>
<u>CHEM</u>	<u>221</u>
<u>CHEM</u>	<u>251</u>
<u>CHEM</u>	<u>252</u>
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Additional Courses: Required

_____	CS 152 Spreadsheets	1.0
_____	PC 213 Mechanics, Sound, and Heat	4.0
_____	PC 214 Electricity, Magnetism and Light	4.0
_____	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

<u>CMIS</u>	<u>257</u>
_____	_____
<u>MATH</u>	<u>250</u>
<u>MATH</u>	<u>251</u>
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Recommended Elective Courses

_____	CY 325 Biochemistry	4.0
_____	CY 398 Readings in Chemistry	1.0
_____	CY 399 Independent Project	1 to 3 cr

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Suggested courses for majors intending to continue to graduate school or chemical engineering:

_____	MS 241 Differential Equations	3.0
_____	MS 232 Linear Algebra	3.0
_____	MS 321 Abstract Algebra	4.0
_____	MS 231 Multivariate Calculus	4.0

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All students are expected to participate in the seminar/lecture series sponsored by the Department of Chemistry. Attendance at a minimum of 10 seminars is required.

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.