

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

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 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

CHEM151 GENERAL CHEMISTRY LECTURE I &
CHEM161 GENERAL CHEMISTRY LAB I
CHEM152 GENERAL CHEMISTRY LECTURE II &
CHEM162 GENERAL CHEMISTRY LAB IICHEM252 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