



## SUNY NIAGARA Chemistry, A.S.

### Overview

Chemistry has impacted so many aspects of our lives including our electronic devices, life-saving medications, and alternative energy sources! A chemistry major will lay the foundations for your path to become a scientist and make contributions to a number of fields like technology, medicine, energy, textiles, forensics, agriculture, and consumer products.

Designed for transfer into a 4-year institution.

### Careers

Careers related to your program of study:

- Agricultural / Food and Flavor Chemistry
- Alternative Energy Research
- Analytical Chemistry / Biochemistry
- Chemical Health and Safety
- Cheminformatics
- Environmental Chemistry
- Forensic / Formulation / Polymer Chemistry
- High School Chemistry Teacher
- Industrial Process Chemistry
- Materials Science
- Medicinal / Nuclear Chemistry
- Patent Law
- Pharmaceutical Research
- Research Scientist / Scientific Policy
- Technical Sales and Marketing
- Toxicology

Some careers may require more specialized education.

### Contact

#### Program Coordinator

Lindsay Rose

716-614-6866

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#### Division

Business & STEM

716-614-6410

Visit full catalog for specific course offerings for each semester:

<https://sunyniagara.edu/courses/chemistry-a-s/>

<https://tinyurl.com/3849b3ed>

### Program Requirements

#### First Semester

#### Credits

CHE 120 - General Chemistry I	4
CHE 111L - General Chemistry I Lab	1
MAT 120 - Calculus and Analytic Geometry I	4
ENG 101 - Writing I	3
____ - General Education Elective that meets DVRS and SOCS OR DVRS and USCV	3
<b>Total Credit Hours:</b>	<b>15 Cr.</b>

## Second Semester

CHE 121 - General Chemistry II	4
CHE 113L - General Chemistry II Lab	1
MAT 121 - Calculus and Analytic Geometry II	4
ENG 102 - Writing II OR ENG 103 – Writing for STEM	3
PHY 171 - Calculus-Based Physics and Mechanics AND	4
PHY 171L - Calculus-Based Physics and Mechanics Lab	0
<b>Total Credit Hours:</b>	<b>16 Cr.</b>

## Third Semester

CHE 234 - Organic Chemistry I	4
CHE 235L - Organic Chemistry I Lab	1
PHY 172 - Calculus-Based Physics II AND	4
PHY 172L - Calculus Based Physics II Lab	0
CIS 115 - Introduction to Spreadsheets	1
____ ____ - Free Elective	3
SPE 101 – Foundations of Communication OR SPE 102 - Public Speaking OR SPE 103 – Interpersonal Communication	3
<b>Total Credit Hours:</b>	<b>16 Cr.</b>

## Fourth Semester

CHE 236 - Organic Chemistry II	4
CHE 237L - Organic Chemistry II Lab	1
____ ____ - General Education Elective that meets both ARTS and HUMN OR HUMN and GLBL	3
____ ____ - HPE/PED Elective	2
____ ____ - Free Elective	5
<b>Total Credit Hours:</b>	<b>15 Cr.</b>

*The information provided is subject to change throughout the academic year. 3/10/2026*