



SUNY NIAGARA
Liberal Arts and Sciences:
Mathematics and Science, A.S.

Overview

The Liberal Arts and Sciences: Mathematics and Science curriculum is a broad-based program designed to educate students in the basic principles of mathematics and science and enable them to successfully transfer to four-year institutions. The required courses provide students with a strong mathematics and science background while offering an introduction to other disciplines in the liberal arts as well. The program parallels the first two years of a baccalaureate program at many four-year institutions. Students in this curriculum are highly successful in transferring to baccalaureate programs in mathematics, sciences or engineering after completion of their studies at SUNY Niagara. Designed for transfer into a 4-year institution.

Careers

- Careers related to your program of study:
- Actuary
 - Engineer
 - Mathematician
 - Meteorologist
 - Pharmacist
 - Physician
 - Scientist
- Some careers may require more specialized education.

Contact

Program Coordinator
 Anne Jowsey
 716-614-6854
ajowsey@niagaracc.suny.edu

Division
 Business & STEM
 716-614-6410

Visit full catalog for specific course offerings for each semester:
<https://sunyniagara.edu/courses/liberal-arts-and-sciences-mathematics-and-science-a-s/>
<https://tinyurl.com/44fmzvdz>

Program Requirements

First Semester	Credits
MAT 120 - Calculus and Analytic Geometry I	4
___ ___ - First Semester of Science-Lab Sequence	4/5
CIS 115 - Introduction to Spreadsheets AND	1
CIS 118 - Intermediate Spreadsheet Applications AND	1
CIS 109 – Introduction to Database	1
OR	
CIS 119 – Introduction to Computer Systems	3
OR	
CIS ___ - Computer Systems Elective 2XX or higher	3
OR	
CPS ___ - Computer Science Elective by Advisement	3/4/5
ENG 101 - Writing I	3
Total Credit Hours:	14/17 Cr.

Second Semester

MAT 121 - Calculus and Analytic Geometry II	4
___ ___ - Second Semester of Science- Lab Sequence	4/5
ENG 102 - Writing II OR ENG 103 – Writing for STEM	3
___ ___ - Communication – Oral General Education Elective	3
Total Credit Hours:	14/15 Cr.

Third Semester

___ ___ - Mathematics/Science Elective	4/5
___ ___ - Mathematics/Science Elective	4/5
___ ___ - Diversity: Equity, Inclusion & Social Justice	
General Education Elective	3
___ ___ - General Education Elective	3
___ ___ - HED/PED Elective	1/3
___ ___ - Free Elective	3
Total Credit Hours:	18/22 Cr.

Fourth Semester

___ ___ - Mathematics/Science Elective	4/5
___ ___ - General Education Elective	3
___ ___ - General Education Elective	3
___ ___ - HED/PED Elective	1/3
___ ___ - Free Elective	2
___ ___ - Free Elective	3
Total Credit Hours:	16/19 Cr.

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