



Liberal Arts and Sciences: Mathematics & Sciences

Associate in Science Degree, Transfer program

Divisions of Health & Sciences and Math, Physics, Technology & Engineering Science

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This program is recommended for students interested in the mathematics/sciences area of liberal arts and sciences. It involves a more rigorous and concentrated level of mathematics and science than the other liberal arts programs, but still allows approximately 21 hours of electives. In all cases, students should look closely at the mathematics and science course descriptions to ensure that this program matches their abilities and career choice. Depending upon their long-range plans, they might also take a foreign language as an elective.

Graduates will demonstrate an understanding of mathematics/sciences principles and concepts. They will be able to perform tasks relative to laboratory experiments in the natural and physical sciences, interpret data according to established standards and use information from appropriate literature. Graduates of the program will be prepared to transfer to a four-year degree program.

The State University of New York (SUNY) requires students who intend to receive a bachelor's degree from a SUNY college to complete at least 30 credit hours in specific general education areas. Students in this program who plan to transfer to a SUNY college can meet 21 credits of the general education requirement. For more specific information about this requirement, refer to SUNY General Education Requirement on page 8 and see an advisor for program assistance.

High school or equivalent preparation required: Two years of science and three years of mathematics, including algebra, geometry, intermediate algebra, and trigonometry. Students who don't have this preparation will be able to get it here, but it may take longer to complete the program.

Program Requirements

English (ENGL 1010-1020. By placement)*	6	Mathematics and/or Science Concentration ^{1,2}	10
Mathematics ^{2,*}	6	Computer Programming Language ³	3
Social Sciences electives	6	Free electives ⁴	21
Laboratory Science sequence ¹	8	Wellness	2
		Total hours	62

*Based on placement, students may be required to take ENGL 0950 and/or ENGL 0990 before taking ENGL 1010, and prerequisite math classes before taking a required math course.

Sample Sequence: intended as a guide for academic planning. It need not be followed exactly or completed in four semesters. The sequence of courses may vary from this sample depending on the student's intended eventual major.

First Semester

English	3
Laboratory Science ¹	4
Mathematics ²	3
Free electives ⁴	6
Wellness (Awareness/Instructional Component)	1

Second Semester

English	3
Laboratory Science ¹	4
Mathematics ²	3
Computer Programming Language ³	3
Free electives ⁴	3
Wellness (Activity Component)	0.5

Third Semester

Social Sciences elective	3
Science-Mathematics ^{1, 2}	6
Free electives ⁴	6
Wellness (Activity Component)	0.5

Fourth Semester

Social Sciences elective	3
Science-Mathematics ^{1, 2}	4
Free electives ⁴	6

¹Science courses must be selected from those numbered 1500 or higher.

²Mathematics courses must be selected from courses numbered 1310 or higher. Students planning to transfer to a mathematics program at a four-year institution should select 1610-1620 to meet the mathematics requirement. To meet the concentration requirement, they should choose MATH 2610, and two courses from MATH 2330, 2410, 2560, 2620.

³Select from SCIN 1060, CSCS 1320, CSCS 2420, CSST 1600, or ENGR 1050. It is strongly recommended that those who plan to transfer in Biology or Chemistry select SCIN 1060; Math/Physics majors **must** choose from CSCS 1320, CSCS 2420, CSST 1600 or ENGR 1050.

⁴Foreign language recommended.