

Liberal Arts: Mathematics and Science Degree Map



◆ TRANSFER DEGREE M MIDDLETOWN CAMPUS DL DISTANCE LEARNING

A Day in the Life ...

This degree can be used for transfer to a variety of programs in mathematics and science at four-year institutions. It lays a strong foundation for students prior to them choosing a specialization, and can be achieved by taking a wide range of courses. With this degree, students can pursue careers including: pure or applied mathematics, statistics, chemistry, pre-medical/dental/veterinary, environmental science, genetics, forensics, and bio-mechanics/engineering.

Three Reasons to Consider Liberal Arts: Mathematics and Natural Science

1. SUNY Orange has strong faculty, with expertise in diverse areas of Math and Science, who make themselves available to work individually with students.
2. This degree can open many doors to students who are interested in Math or Science, but may not be sure of the specific area of concentration. Getting this degree is a great way to explore a variety of STEM fields.
3. Historically, graduates from this program have been accepted to institutions at which they have gone on to receive Bachelor's and graduate degrees.

Keep This in Mind

Two discipline-specific tracks have been developed in the Liberal Arts: Mathematics and Science Associate in Science degree program: [Mathematics](#) and [Chemistry](#).

SUNY has defined recommended coursework to be taken in the first two years of study to ensure seamless transfer to baccalaureate degree programs within the system. That recommended coursework is referred to as a transfer path. Each track aligns with a different SUNY transfer path. The four-semester sequences ensure that students will fulfill seven SUNY general education categories and necessary coursework in the first two years of study in specific disciplines, thereby ensuring junior-level status when transferring to a four-year school within the SUNY system.

To complete in two years without taking summer courses, full-time students must place into MAT 121.

Specific calculators are required for MAT 120 (Introduction to Statistics), MAT 122 (College Trigonometry) and some science courses.

A small number of courses may be offered only once per year; keep an eye on the course schedules each semester.

Some courses are available in an online format; for science courses, students may need to purchase a lab kit.

Liberal Arts: Mathematics and Science Gateway Courses:

- Gateway courses: MAT 205
- Key courses: MAT 205, MAT 206, MAT 207
- Electives: -

Courses above have been recommended by the department to help introduce you to the program (Gateway courses) and guide you in selecting courses that will provide you with the best academic experience (Key courses and suggested Electives).

First Semester

Course #	Course Name	P, C, P/C	Cr
ENG 101	Freshman English 1	P	3
_____	SUNY Social Science (GE 3)		3
_____	SUNY Natural Science (GE 2) +		3
_____	MAT 111 or higher or Computer Science or Liberal Arts Science +		3
_____	SUNY Math (GE 1) - MAT 121 or higher +		3
	Total Semester Credits		15

Milestones

During this semester, students should:

- Talk to your advisor about career plans
- Join a club
- Consider opportunities for research

Second Semester

Course #	Course Name	P, C, P/C	Cr
ENG 102	Freshman English 2	P	3

SUNY Orange

Course #	Course Name	P, C, P/C	Cr
HIS ____	Restricted History Elective*		3
_____	SUNY Natural Science (GE 2) +		3
Either	MAT 111 or higher		
Or	Computer Science		
Or	Liberal Arts Science +		3
MAT ____	MAT 122 or higher +		3
	Total Semester Credits		15

Milestones

During this semester, students should:

- Visit Transfer Fair and speak with potential transfer schools
- Seek out scholarship opportunities

Third Semester

Course #	Course Name	P, C, P/C	Cr
COM 101	Foundations of Communication		3
Either	MAT 111 or higher		
Or	Computer Science		
Or	Liberal Arts Science +		3
Either	MAT 111 or higher		
Or	Computer Science		
Or	Liberal Arts Science +		3
_____	Restricted SUNY Elective #		3
_____	Elective		3
	Total Semester Credits		15

Milestones

During this semester, students should:

- Apply to transfer school(s)
- Seek guidance on resume development

Fourth Semester

Course #	Course Name	P, C, P/C	Cr
Either	MAT 111 or higher		
Or	Computer Science		
Or	Liberal Arts Science +		3
Either	MAT 111 or higher		
Or	Computer Science		
Or	Liberal Arts Science +		3
_____	Elective		3
_____	Elective		3
_____	Elective		3

Course #	Course Name	P, C, P/C	Cr
	Total Semester Credits		15

Milestones**During this semester, students should:**

- Seek out scholarship opportunities
- Apply for graduation

TOTAL DEGREE CREDITS: 60**Notes:**

*SUNY American History (GE 4) or Western Civilization (GE 5) or Other/World Civilization (GE 6) lists

#SUNY Arts (GE 8) or Foreign Language (GE 9) lists

+Minimum credit value for this course is 3 credits. Students may fulfill this requirement with a course of a higher credit value.

A minimum of 30 credits of math and science combined is required for this degree. At least 6 credits of math must be College Algebra (MAT 121) or higher, at least 3 credits of which must be a SUNY Math and at least 6 credits of science must be from the SUNY Natural Science list.

See SUNY Transfer Path link for information about recommended courses – www.suny.edu/attend/get-started/transfer-students/suny-transfer-paths/suny-transfer-paths-all-2015/