

Mathematics Concentration

Degree Type

Associate in Arts

Careers in mathematics are diverse, intellectually challenging and financially rewarding. Mathematical research and education are at the heart of some careers such as teaching, actuarial science, operations research, statistics, computer science, and cryptography. Other careers utilize mathematics and its applications to build and enhance important work in the sciences, business, finance, manufacturing, communications, and engineering. Even students who plan to pursue careers in fields not directly related to mathematics will benefit from the analytical and problem-solving skills that are cultivated in rigorous mathematics courses.

Students who are matriculated and place into developmental math and/or English are required to begin the course sequence in the first semester. Please see an [advisor](#) with questions.

Learn more about the program and apply at [Associate in Arts - Mathematics](#)

Requirements

First Semester

Item #		Title	Credits
ENL101		English Composition I	3
MAT240		Calculus I	4
PHY211		University Physics I	4
CSC110		Computer Programming I: Java	3
		Behavioral & Social Sciences	3


Second Semester

Item #		Title	Credits
ENL102		English Composition II	3
MAT250		Calculus II	4
PHY212		University Physics II	4
		Humanities & Fine Arts	3
		Behavioral & Social Sciences	3

Third Semester

Item #		Title	Credits
		Humanities & Fine Arts	3
MAT260		Calculus III	4
MAT245		Linear Algebra	3
		STEM Elective	3

Fourth Semester

Item #	Title	Credits
	STEM Elective	3
MAT270	Differential Equations	3
		
MAT220	Discrete Mathematics & Introduction to Proofs	4
	Elective	3
Total Credits		60

Transfer Information

[MassTransfer & more](#)

Career Outlook

This [occupational profile](#) is provided by O*NET.

See also: [What can I do with this major?](#)

Note: The Associate in Arts degree does not indicate a specialized degree in a concentration. Students who complete this concentration will satisfy the requirements of [MassTransfer](#). For additional information pertaining to degree requirements, please refer to [Degree Requirements](#).