

ASSOCIATE OF ARTS DEGREE

MATHEMATICS AREA OF EMPHASIS

An A.A. Degree with an emphasis in mathematics is intended to develop analytical problem-solving abilities that will serve students well in a variety of careers in industry, government or education. This emphasis is especially appropriate for those who plan to pursue advanced studies in engineering, the natural sciences or further mathematics.

Emphasis-Specific Electives for Mathematics

(At least 9 additional credit hours selected from MTH courses numbered above 200)

MTH	210	Statistical Methods	3
MTH	215	Algebraic Structures	3
MTH	230	Linear Algebra	3
MTH	240	Analytic Geometry and Calculus III	3
MTH	241	Differential Equations	3
MTH	295	Directed Study/ Mathematics	3

PREFERRED COURSE SEQUENCE

Semester I

CIS	101	Personal Computer Applications	3
ENG	101	Composition I	3
HLT	101	Lifetime Wellness	2
MTH	140	Analytic Geometry and Calculus I	5
		¹ Social Science Elective	3

Total Semester Hours 16

Semester II

ENG	102	Composition II (or ENG 150)	3
MTH	141	Analytic Geometry and Calculus II	5
		Biological Science Elective	4
		Humanities Block I Elective	3

Total Semester Hours 15

Semester III

COM	105	Public Speaking	3
		Mathematics Elective	3
		Mathematics Elective	3
		Physical Science Elective	4
		Social Science Elective	3

Total Semester Hours 16

Semester IV

SSM	201	Sophomore Seminar	3
		Humanities Block II Elective	3
		Mathematics Elective	3
		Mathematics Elective	3
		Social Science Elective	3

Total Semester Hours 15

¹ Must satisfy Missouri law to include instruction in U.S. and State Constitutions.