

MATHEMATICS OPTION – N013

A.S. in Arts and Science

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E-Institute: <http://webtide.hccd.edu>

Courses in red are not available online.

This option prepares students to transfer to mathematics programs at four-year colleges and universities. With a bachelor's or graduate degree in mathematics, one can qualify for a broad range of careers in industry, business, government, and teaching.

Term/Grade	Course Number	Course Name	Course Credits	
		GENERAL EDUCATION REQUIREMENTS		20
_____	ENG 101	Language and Literature I	3	
_____	ENG 102	Language and Literature II	3	
_____	_____	Laboratory Science (D) ¹ _____	4	
_____	_____	Laboratory Science (D) ¹ _____	4	
_____	_____	Social Sciences (B) _____	3	
_____	_____	Social Sciences (B) _____	3	
		PROGRAM REQUIREMENTS		16
_____	MTH 111	Analytic Geometry and Calculus I	4	
_____	MTH 112	Analytic Geometry and Calculus II	4	
_____	MTH 211	Analytic Geometry and Calculus III (Fall)	4	
_____	MTH 212	Analytic Geometry and Calculus IV (Spring)	4	
		SUGGESTED ELECTIVES		21
_____	MTH 205	Linear Algebra (Fall)	3	
_____	MTH 214	Differential Equations (Spring)	3	
_____	MTH 230	Discrete Mathematical Structures (Spring)	3	
_____	_____	Humanities Electives (C) _____	3	
_____	_____	Humanities Electives (C) _____	3	
_____	_____	Humanities Electives (C) _____	3	
_____	_____	Social Science Elective (B) _____	3	
		GENERAL ELECTIVES		3
_____	_____	_____	1-3	
_____	_____	_____	1-3	
_____	_____	_____	1-3	
		Total Credits		60

NOTES:

¹ PHS 111-112 recommended.