

**MATHEMATICS OPTION – N013**

**A.S. in Arts and Science**

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COURSE TITLE	COURSE NUMBER	PRE-REQUISITES	CREDITS	SEMESTER TAKEN	GRADE
<b>GENERAL EDUCATION REQUIREMENTS</b>			<b>20</b>		
Language and Literature I	ENG 101	Appropriate score on Placement Tests, or C- or better in ENG 097 and ENG 098, or C- or better in ENG 096 or ENG 099	3		
Language and Literature II	ENG 102	ENG 101	3		
Social Sciences (B)			3		
Social Sciences (B)			3		
Laboratory Science (D) <sup>1</sup>			4		
Laboratory Science (D) <sup>1</sup>			4		
<b>PROGRAM REQUIREMENTS</b>			<b>12</b>		
Calculus I	MTH 113	MTH 108 or adequate score on the Mathematics Placement Exam	4		
Calculus II	MTH 114	MTH 113	4		
Calculus III	MTH 213	MTH 114	4		
<b>SUGGESTED ELECTIVES (Sufficient to complete 60 credit graduation requirement)</b>			<b>28</b>		
Linear Algebra (Fall)	MTH 205	MTH 112 or MTH 114, previously or concurrently	3		
Differential Equations (Spring)	MTH 214	MTH 212 or MTH 213 previously or concurrently	3		
Discrete Mathematical Structures (Spring)	MTH 230	MTH 111 or MTH 113	3		
Social Science Elective			3		
Humanities Electives			3		
Humanities Electives			3		
Humanities Electives			3		
			1-4		
			1-4		
			1-4		
<b>Total Credits</b>			<b>60</b>		

**PROGRAM OVERVIEW**

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.

NOTES:

<sup>1</sup> PHS 111-112 recommended.

Depending on the course selection 50% of this program can be completed online. Go to <http://webtide.hccdl.org> for further information.