

## Bachelor of Science Degree



# Secondary Education Mathematics (6-12) Chipola College

**Code**    **Program Length**  
1067    120 credits

## Entrance Requirements

A minimum GPA of 2.5 is required. Applicants must pass all four parts of the CLAST exam. If the CLAST requirement is satisfied with an alternative method, then applicants must present passing scores on the general knowledge section of the FTCE for admission to the program.

Applicants must complete a self-disclosure form that requires them to respond to any personal criminal background information; they must also be fingerprinted.

If two years of high school credit in the same foreign language have been completed, the graduation requirement for a baccalaureate degree in Florida is satisfied. If not, two semesters of the same foreign language must be completed at Chipola before earning the baccalaureate degree.

All major courses appear in **bold** print.

## FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101	Communication Skills I	4	ENC 1102	Communication Skills II	4
<b>MAC 1114</b>	<b>Plane Trigonometry</b>	3	<b>MAC 1311<sup>1</sup></b>	<b>Calculus &amp; Analytical Geometry I</b>	5
or XXX XXXX <sup>1</sup>	or ELECTIVE		XXX XXXX	NATURAL SCIENCE	3
<b>MAC 1140</b>	<b>Precalculus Algebra</b>	3	<b>EME 2040</b>	<b>Intro. to Educational Technology</b>	3
or XXX XXXX <sup>1</sup>	or ELECTIVE				
<b>EDF 1005</b>	<b>Intro to Education</b>	3			
SLS 1101	Orientation	1			
TOTAL		14	TOTAL		15

## SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX <sup>2</sup>	GORDON RULE WRITING	4	SPC 2600 <sup>3</sup>	Effective Public Speaking	3
<b>MAC 2312</b>	<b>Calculus &amp; Analytical Geometry II</b>	4	<b>MAC 2313</b>	<b>Calculus &amp; Analytical Geometry III</b>	4
<b>EDG 2701</b>	<b>Teaching Diverse Populations</b>	3	MAT 2905 <sup>1</sup>	Mathematics through Tutoring	1
XXX XXXX	NATURAL SCIENCE	3	or XXX XXXX	or ELECTIVE	
PSY 2012	General Psychology	3	XXX XXXX	SOCIAL SCIENCE	3
			XXX XXXX	HUMANITIES	3
TOTAL		17	TOTAL		14

<sup>1</sup> MAT 2905, Mathematics through Tutoring, is suggested for the elective credit if the student places directly into MAC 1311 Calculus I.

<sup>2</sup> Choose 4 hours from the following: AML 2010, AML 2020, ENL 2012, ENL 2022, ENC 1133, HUM 2216, HUM 2233, or SPT 2521.

<sup>3</sup> Upon departmental approval, students may substitute SPC 2016 for SPC 2600.

# 2007-2008

For more information  
Contact:

Student Services  
Chipola College  
(850) 718-2266



This Bachelor of Science degree program is designed for students who plan to earn a degree in Secondary Education Mathematics at Chipola College.

For additional program information, visit the [Chipola website](#).

Possible job opportunities for a mathematics education major include middle or high school math teacher, math test item writer, adult education teacher, workbook author, loan counselor, math editor for educational publisher, financial analyst, actuary, statistician, operations research analyst, insurance underwriter, sales representative, computer & EDP systems, technical writer.

For more information, please visit [The Occupational Outlook Handbook website](#).

*The courses listed on this guide are not to be construed as a contract between the student and Chipola. Course requirements may change each year. You are encouraged to work closely with your advisor.*

## JUNIOR YEAR

Fall Semester			Spring Semester		
		Sem. Hrs.			Sem. Hrs.
EDF 3214	Human Development & Learning	3	TSL 3521	ESOL Issues: Principles & Practices	3
MAS 3105 <sup>4</sup>	Applied Linear Algebra	4	EME 3410	Integrating Technology in the Classroom	3
MTG 3212	Modern Geometries	3	MAE 3651	Learning Math. with Technology	1
MAT 2905 <sup>5</sup>	Mathematics through Tutoring	1-3	MAP 2302 <sup>4</sup>	Differential Equations	3
MAE 3320	Teach. Methods in Mid. Sch. Math	3	RED 3360	Teach. Reading in Mid/Sec Schools	3
MAE 3940	Teach. Mid. Sch. Math Practicum	1	STA 2122	Statistics for Beh./Soc. Sciences	3
TOTAL		15-17	TOTAL		16

## SENIOR YEAR

Fall Semester			Spring Semester		
		Sem. Hrs.			Sem. Hrs.
EDG 4410	Classroom Mgt. & Communication	3	MAE 4945	Student Teaching in Mathematics	10
EDF 4430	Measure. & Eval. in Classroom	3	MAE 4943	Seminar in Mathematics Education	3
MAS 4203 <sup>4</sup>	Number Theory	3			
MHF 4404	History of Mathematics	3			
MAE 4330	Teach. Methods in Sec. Sch. Math.	3			
MAE 4941	Teach. Sec. Sch. Math Practicum	1			
TOTAL		16	TOTAL		13

<sup>4</sup> Or department-approved mathematics course.

<sup>5</sup> MAT 2905 can be repeated during the Junior or Senior Year if a student needs additional hours after completing all required courses.

**To earn a baccalaureate degree from Chipola College the following *requirements* must be met:**

**At least forty (40) semester hours in courses numbered 3000 and above must be earned; at least thirty (30) of the forty (40) hours must be earned in residence at Chipola College; and a total of sixty (60) semester hours of the work credited toward the baccalaureate degree must be earned in an accredited senior institution.**