

Bachelor of Science Degree



Secondary Education Mathematics (6-12) Chipola College

Code 1067 **Program Length** 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 all parts of the general knowledge portion 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 and submit a background check.

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.

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101	Communication Skills I	4	ENC 1102	Communication Skills II	4
MAC 1114 ⁴	Plane Trigonometry	3	MAC 1311 ^{1,4}	Calculus & Analytical Geometry I	4
or XXX XXXX ^{1,5}	or ELECTIVE		XXX XXXX	NATURAL SCIENCE	3
MAC 1140 ⁴	Precalculus Algebra	3	EME 2040 ⁴	Intro. to Educational Technology	3
or XXX XXXX ^{1,5}	or ELECTIVE				
EDF 1005 ⁴	Intro to Education	3			
SLS 1101 & SLS 1106	Orientation & FYLE (01/2009)	2			
TOTAL		15	TOTAL		14

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX ²	GORDON RULE WRITING	4	SPC 2600 ³	Effective Public Speaking	3
MAC 2312 ⁴	Calculus & Analytical Geometry II	4	MAC 2313 ⁴	Calculus & Analytical Geometry III	4
EDG 2701 ^{4,5}	Teaching Diverse Populations	3	MAT 2905 ¹	Mathematics through Tutoring	1
XXX XXXX	NATURAL SCIENCE	3	or XXX XXXX ⁵	or ELECTIVE	
PSY 2012	General Psychology	3	XXX XXXX	SOCIAL SCIENCE	3
			XXX XXXX	HUMANITIES	3
TOTAL		17	TOTAL		14

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

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

³ Upon departmental approval, students may substitute SPC 2016 for SPC 2600.

⁴ Major courses; must be completed with a grade of "C" or higher.

⁵ Six hours of diversity courses are required in addition to EDG 2701. Choose from: AMH 2091, AMH 2092, ARH 1000, ASH 1044, FRE 1120, FRE 1121, FRE 2220, FRE 2221, GEA 2001, GEA 2002, MUL 2010, REL 2300, SPN 1120, SPN 1121, SPN 2220, SPN 2221, SPN 1170, SPT 2521, SYG 1010, TSL 3520, WOH 2012, WOH 2022.

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.

2008-2009

For more information
Contact:

Student Services
Chipola College
(850) 718-2266



JUNIOR YEAR

Fall Semester			Sem. Hrs.	Spring Semester			Sem. Hrs.
EDF 3214 ⁴	Human Development & Learning	3		TSL 3520 ⁴	Language and Cultural Understanding	3	
MAS 3105 ^{4,6}	Applied Linear Algebra	4		EME 3410 ⁴	Integrating Technology in the Classroom	3	
MTG 3212 ⁴	Modern Geometries	3		MAE 3651 ⁴	Learning Math. with Technology	1	
MAT 2905 ^{4,7}	Mathematics through Tutoring	1-3		MAP 2302 ^{4,6}	Differential Equations	3	
MAE 3320 ⁴	Teach. Methods in Mid. Sch. Math	3		RED 3360 ⁴	Teach. Reading in Mid/Sec Schools	3	
MAE 3940 ⁴	Teach. Mid. Sch. Math Practicum	1		STA 2122 ⁴	Statistics for Beh./Soc. Sciences	3	
TOTAL			15-17	TOTAL			16

SENIOR YEAR

Fall Semester			Sem. Hrs.	Spring Semester			Sem. Hrs.
EDG 4410 ⁴	Classroom Mgt. & Communication	3		MAE 4945 ⁴	Student Teaching in Mathematics	10	
EDF 4430 ⁴	Measure. & Eval. in Classroom	3		MAE 4943 ⁴	Seminar in Mathematics Education	3	
MAS 4203 ^{4,6}	Number Theory	3					
MHF 4404 ⁴	History of Mathematics	3					
MAE 4330 ⁴	Teach. Methods in Sec. Sch. Math.	3					
MAE 4941 ⁴	Teach. Sec. Sch. Math Practicum	1					
TOTAL			16	TOTAL			13

⁶ Or department-approved mathematics course.

⁷ 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.