

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.

While academic advisors, faculty and staff provide significant academic planning and related assistance to students, completion of all degree requirements, and the process of monitoring progress to that end, is ultimately the responsibility of the student.

ACADEMIC PLAN: Bachelor of Science Degree



Secondary Education Mathematics (6-12) Chipola College

Code
1067/4010

Program Length
60/60 credits

Entrance Requirements

A minimum GPA of 2.5 is required. Applicants must have an AA degree and present passing scores on all parts of the general knowledge portion of the FTCE for admission to the Baccalaureate 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.

All first time in college (Fall 2014 and beyond) students are required to successfully complete two years of the same foreign language in high school or two semesters of the same foreign language at the college level before the associate degree is awarded. Home School students must demonstrate competency through competency testing.

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101 ¹	English Composition I	3	ENC 1102 ¹	English Composition II	3
MAC 1114 ²	Plane Trigonometry		MAC 1311 ^{2,3}	Calculus & Analytical Geometry I	4
or XXX XXXX ³	or ELECTIVE	3	XXX XXXX ⁶	NATURAL SCIENCE CORE	3
MAC 1140 ²	Precalculus Algebra		EME 2040 ²	Intro to Technology for Educators	3
or XXX XXXX ³	or ELECTIVE	3			
EDF 1005 ²	Intro to Teaching Profession	3			
XXX XXXX	SOCIAL SCIENCE	3			
SLS 1101	Orientation	1			
TOTAL		16	TOTAL		13

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX ¹	GORDON RULE WRITING	3	XXX XXXX ¹	GORDON RULE WRITING	3
MAC 2312 ²	Calculus & Analytical Geometry II	4	MAC 2313 ²	Calculus & Analytical Geometry III	4
EDF 2085 ^{2,4}	Intro to Diversity for Educators	3	MAT 2905 ³	Mathematics through Tutoring	
XXX XXXX	NATURAL SCIENCE	3	or XXX XXXX	or ELECTIVE	2-3
PSY 2012	General Psychology	3	SPC 2608 ⁵	Effective Public Speaking	3
			XXX XXXX ⁷	HUMANITIES CORE	3
TOTAL		16	TOTAL		15-16

¹ Twelve (12) hours of Gordon Rule Writing are required. In addition to ENC 1101 and ENC 1102, choose from the following courses to complete the 12 hour requirement: AML 2010, AML 2020, ENC 2210, ENL 2012, ENL 2022, HUM 1020, HUM 2020, SPT 2521, or ENC 1133.

² Major courses; must be completed with a grade of "C" or higher.

³ MAT 2905, Mathematics through Tutoring, is suggested for the elective credit if the student places directly into MAC 1311 Calculus I.

⁴ Completion of EDF 2085, TSL 3520, and MHF 4404 meets the diversity requirement only for Chipola. For transfer to other institutions, refer to the "Courses with International or Diversity Focus" in the Chipola Catalog.

⁵ Upon departmental approval, students may substitute SPC 2017 for SPC 2608; 2 additional hours of elective may be needed.

⁶ Must choose one course from the following: AST 1002, BSC 1005, BSC 2010, BSC 2085, CHM 1045, ESC 1000, EVR 1001, PHY 1053C, PHY 2048C, PSC 1121

⁷ Choose one of the following: ARH 1000, MUL 2010, THE 1000.

2015-2016

For more information
Contact:

Student Affairs
Chipola College
(850) 718-2266



JUNIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDF 3214 ²	Human Development & Learning	3	TSL 3520 ^{2,4}	Language and Cultural Understanding	3
MAS 3105 ^{2,6,8}	Linear Algebra	4	RED 3009 ²	Early & Emergent Literacy	3
MTG 3212 ²	Modern Geometries	3	MAE 3651 ²	Learning Math. with Technology	1
MAT 2905 ^{2,7}	Mathematics through Tutoring	1-3	MAP 2302 ^{2,6}	Differential Equations	3
MAE 3320 ²	Teach. Methods in Mid. Sch. Math	3	RED 3360 ²	Teach. Reading in Mid/Sec Schools	3
MAE 3940 ²	Teach. Mid. Sch. Math Practicum	1	STA 2023 ²	Intro to Statistics	3
TOTAL		15-17	TOTAL		16

SENIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDG 4410 ²	Classroom Mgt. & Communication	3	MAE 4945 ²	Student Teaching in Mathematics	10
EDF 4430 ²	Measure. & Evaluation in Classroom	3	MAE 4943 ²	Seminar in Mathematics Education	3
MAS 4203 ^{2,6,8}	Number Theory	3			
MHF 4404 ^{2,4}	History of Mathematics	3			
MAE 4330 ²	Teach. Methods in Sec. Sch. Math.	3			
MAE 4941 ²	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.

⁸ Prerequisite: MAC 2312.

To earn a baccalaureate degree from Chipola College, a minimum of 120 semester hours must be completed. At least forty (40) of those hours must be in courses numbered 3000 and above. A minimum of thirty (30) of the (40) hours must be in residence at Chipola College. A total of sixty (60) semester hours of the work credited toward the baccalaureate degree must be earned in an accredited senior institution.