

NC Community College Baccalaureate Pathway Plan

Schedule for Full-Time Students

Completed AS Degree & transfer into Mathematics Education: High School Math Concentration (BS) at NC State University.
(Placed Out Of All Developmental Courses)

North Carolina Community College classes are listed below in bold with the NC State degree requirements fulfilled listed next to the classes.

Before planning your academic career please review the [NC State College of Education admission considerations](#) and contact the [Undergraduate Coordinator of Advising](#) for your intended major.

NC COMMUNITY COLLEGE FIRST YEAR				
Fall Semester	Credit		Spring Semester	Credit
ACA 122 – COE Orientation	1		MAT 172 - Required Calculus prereq	4
ENG 111 - ENG 101 Academic Writing and Research	3		ENG 112 - GEP Interdisciplinary Perspectives Requirement	3
PSY 150 – PSY 200, Departmental recommend prereq	3		COM 120 - COM 112: Interpersonal Communication	3
BIO 111 – BIO 183: Cellular & Molecular Biology	4		MAT 152 – ST 311: Introduction to Statistics	4
MAT 171 – Required Calculus prereq	4		BIO 112 – BIO 181: Ecology & Diversity	4
HUM 110 – STS 214, GEP Interdisciplinary Perspectives	3		TOTAL CREDIT HOURS	18
TOTAL CREDIT HOURS	18			

NC COMMUNITY COLLEGE FIRST YEAR SUMMER: MAT 271 (4 hours credit): MA 141: Calculus I

Listed GEP courses are departmental suggestions. Click here for [current GEP offerings](#). Students are strongly encouraged to contact the NC State Undergraduate Coordinator for their intended program to discuss [transfer equivalencies](#) and other considerations.

NC COMMUNITY COLLEGE SECOND YEAR				
Fall Semester	Credit		Spring Semester	Credit
MAT 272 – MA 241: Calculus II	4		MAT 273 – MA 242: Calculus III	4
ENG 231 – ENG 265: GEP Humanities Elective/GEP US Diversity	3		GEL 111 – MEA 101: Physical Geology I & Lab	4
CIS 115 – Programming Elective	4		HIS 131 – HI 251: GEP Humanities	4
SOC 220 – SOC 203: GEP Additional Breadth Requirement	3		MAT 143 – MA 105, Math Elective	3
PSY 263 – EDP 304: Educational Psychology	3		TOTAL CREDIT HOURS	15
TOTAL CREDIT HOURS	17			
			APPLY FOR ASSOCIATE IN SCIENCE DEGREE	

THIS SHEET IS FOR ADVISING PURPOSES ONLY.

Note 4-semester outline based upon no pre-requisites classes required. Students may choose to take courses during the Summer semester to lessen the number of credits during Fall and Spring semesters.

NC STATE UNIVERSITY

Schedule of Courses for the Mathematics Education (BS): High School Math Concentration (13MTHEDBS-13MTHEDMS)

Note Prior to beginning Junior Fall the NC State College of Education recommends that students take MAT 285 at an NC Community College or MA 341 at NC State to meet the Math Elective Requirement

NC STATE JUNIOR YEAR				
Fall Semester	Credit		Spring Semester	Credit
MA 225: Foundations of Advanced Math ST 312: Statistics II	3		MA 405: Linear Algebra and Matrices ELP 344: School and Society	3
MA 351: Discrete Mathematical Models*	3		MA 403: Intro to Modern Algebra MA 408: Euclidean Geometry	3
EMS/ED 204: Math Education/21 st Century Teaching	4		EMS 480: Teaching Math with Technology	3
ST 312: Statistics II ELP 344: School and Society	3		ED 311/312: Classroom Assessment & Lab	3
ECI 305: Teaching Diverse Populations	3		ECI 416: Teaching Exceptional Student in the Mainstream Classroom	3
TOTAL CREDIT HOURS	16		TOTAL CREDIT HOURS	15

***Students who have completed MA 341 may choose another course with permission from their advisor**

NC STATE SENIOR YEAR				
Fall Semester	Credit		Spring Semester	Credit
EMS 472: Teaching Math Topics in High School	3		EMS 470: Methods and Materials for Teaching Math	3
EMS 490: Advanced School Mathematics	3		EMS 471: Student Teaching	12
MA 408: Euclidean Geometry	3		TOTAL CREDIT HOURS	15
ELP 344: School and Society	3			
TOTAL CREDIT HOURS	12			

Minimum Credit Hours Required for Graduation:	125
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Credits Transferred from CCAA Degree:	64
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Hours Remaining in NC State Degree:	61
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- Students should seek **academic advising** to determine the best courses and sequence to meet their educational goals and degree requirements.
- Following the Pathway to Degree does not guarantee admission to NC State University or guarantee an AS degree or BS degree will be conferred.
- Please refer to NC State Undergraduate Admissions for more information on admission to NC State and the transfer of credits to NC State:
<http://admissions.ncsu.edu/transfer-students/>