

NC Community College Baccalaureate Pathway Plan

Schedule for Full-Time Students

Completed AS Degree & transfer into Mathematics Education: Middle Grades 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. **THIS SHEET IS FOR ADVISING PURPOSES ONLY.**

| NC COMMUNITY COLLEGE FIRST YEAR | | | | |
|--|-----------|--|---|-----------|
| Fall Semester | Credit | | Spring Semester | Credit |
| ACA 122 – GEP requirement, ED 100 | 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: GEP Humanities | 3 | | COM 120 - COM 112: Interpersonal Communication | 3 |
| CH 151 – CH 101/102: General Chemistry I & Lab | 4 | | MAT 152 – ST 311: Introduction to Statistics | 4 |
| MAT 171 – Required Calculus prereq | 4 | | BIO 110 – BIO 105/106: Biology of the Modern World & Lab | 4 |
| HUM 110 – GEP Interdisciplinary Perspectives | 3 | | TOTAL CREDIT HOURS | |
| TOTAL CREDIT HOURS | 18 | | | 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 |
| PHY 110 – PY 131: Conceptual Physics | 4 | | HIS 131 – HI 251: GEP Humanities | 4 |
| SOC 220 – SOC 203: GEP Additional Breadth/GEP Global Knowledge | 3 | | HUM 115 – Critical Thinking (Recommended by NC State CED) | 3 |
| PSY 263 – EDP 304: Educational Psychology | 3 | | TOTAL CREDIT HOURS | 15 |
| TOTAL CREDIT HOURS | 17 | | | |
| | | | APPLY FOR ASSOCIATE IN SCIENCE DEGREE | |

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.

*To be eligible for a teaching license in mathematics only, either mathematics or science courses may be selected. To be eligible for teaching licenses in both mathematics and science, a science course must be selected. NC Community College electives can be chosen from: MAT 143, MAT 167 or GEL 111.

NC STATE UNIVERSITY

Schedule of Courses for the Mathematics Education (BS): Middle Grades Math Concentration (13MTHEDBS-13MTHEDMSM)

Note Prior to beginning Junior Fall the NC State College of Education recommends that students take MAT 280 at an NC Community College (preferred) or MA 305 at NC State

| NC STATE JUNIOR YEAR | | | | |
|---|-----------|--|---|-----------|
| Fall Semester | Credit | | Spring Semester | Credit |
| MA 225: Foundations of Advanced Mathematics | 3 | | MA 403: Modern Algebra | 3 |
| ED/EMS 204: Math Education, /21 st Century Teaching: | 4 | | ECI 309: Teaching in the Middle Years | 3 |
| Linear Algebra Elective | 3 | | EMS 480: Teaching Math with Technology | 3 |
| Discrete MA/SCI Elective | 3 | | ED 311/312: Classroom Assessment & Lab | 3 |
| ECI 306: Middle Years Reading | 3 | | ECI 416: Teaching Exceptional Student in the Mainstream Classroom | 3 |
| TOTAL CREDIT HOURS | 16 | | EMS 375: Methods in Teaching Science | 3 |
| | | | TOTAL CREDIT HOURS | 18 |

| NC STATE SENIOR YEAR | | | | |
|--|-----------|--|--|-----------|
| Fall Semester | Credit | | Spring Semester | Credit |
| EMS 470: Methods and Materials for Teaching Math | 2 | | MA 308: College Geometry or MA 408: Euclidean Geometry | 3 |
| EMS 471: Student Teaching | 10 | | MA or SCI Elective | 3 |
| TOTAL CREDIT HOURS | 12 | | ELP 344: School and Society | 3 |
| | | | EMS 474: Teaching Math/Middle Years} | 3 |
| | | | ECI 305: Principles of Teaching a Diverse Population | 3 |
| | | | EMS 490: Advanced School Mathematics | 3 |
| | | | TOTAL CREDIT HOURS | 18 |

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| Minimum Credit Hours Required for Graduation: | 127 |
| Credits Transferred from CCAA Degree: | 60 |
| Hours Remaining in NC State Degree: | 67 |

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/>