

# NC Community College Baccalaureate Pathway Plan

Schedule for Full-Time Students

Completed AS Degree & transfer into Science Education: Biology Licensure 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    |
| <b>ACA 122</b> - Dept. substitution: Intro to Professional Education | 1         |  | <b>PSY 150</b> - GEP Social Sciences Requirement                | 3         |
| <b>ENG 111</b> - ENG 101 Academic Writing and Research               | 3         |  | <b>ENG 112</b> - GEP Interdisciplinary Perspectives Requirement | 3         |
| <b>HIS 131</b> - GEP Humanities Requirement                          | 3         |  | <b>COM 231</b> - COM 110: Public Speaking                       | 3         |
| <b>CHM 151</b> – CH 101/102: General Chemistry I and Lab             | 4         |  | <b>MAT 263</b> – Department Calculus I Requirement              | 4         |
| <b>MAT 171 or 175</b> – MA 111                                       | 4         |  | <b>CHM 152</b> – CH 201/202: General Chemistry II and Lab       | 4         |
| <b>TOTAL CREDIT HOURS</b>  | <b>15</b> |  | <b>TOTAL CREDIT HOURS</b>                                       | <b>17</b> |

Students must take ACA 122 in the first or second semester.

Students may also elect to take courses during the summer, pending availability.

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    |
| <b>ANT 220</b> – ANT 252, Social Science Elective        | 3         |  | <b>PSY 263</b> – EDP 304: Educational Psychology | 3         |
| <b>PHI 250</b> – PHI 340, HI/PHI Science Elective        | 3         |  | <b>HUM 110</b> – STS 214, GEP Requirement        | 3         |
| <b>PHY 251</b> – General Physics I                       | 4         |  | <b>BIO 112</b> – BIO 181: Ecology and Diversity  | 4         |
| <b>MAT 152</b> : ST 311: Introduction to Statistics      | 4         |  | <b>PHY 152</b> - General Physics II              | 4         |
| <b>BIO 111</b> – BIO 183: Cellular and Molecular Biology | 4         |  | <b>GEL 111</b> - Intro Geology                   | 4         |
| <b>TOTAL CREDIT HOURS</b>                                | <b>18</b> |  | <b>TOTAL CREDIT HOURS</b>                        | <b>18</b> |
|  |           |  | <b>APPLY FOR ASSOCIATE IN SCIENCE DEGREE</b>     |           |

**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 Science Education: Biology Licensure Concentration (BS) (13SCIEDBS-13SCIEDBIO)

**\*NOTE\*** The NC State College of Education recommends that students take CH 221: Organic Chemistry I or its NC CC equivalent (CH 251) the summer prior to attending NC State

### NC STATE JUNIOR YEAR

| Fall Semester   | Credit    |  | Spring Semester                        | Credit    |
|---|-----------|--|--|-----------|
| ED 204: Introduction to 21 <sup>st</sup> Century Teaching | 2         |  | ED 311/312: Classroom Assessment & Lab | 3         |
| EMS 205: Intro to Teaching Science                        | 2         |  | Biological Science Elective            | 3         |
| ELP 344: School & Society                                 | 3         |  | EMS 375: Methods of Teaching Science I | 3         |
| GN 311: Principles of Genetics                            | 4         |  | EMS 373: Instr. Materials in Science   | 3         |
| Free Elective   | 3         |  | PB 360: Ecology                        | 4         |
| ECl 416: Teaching Exceptional Students                    | 3         |  | <b>TOTAL CREDIT HOURS</b>              | <b>16</b> |
| <b>TOTAL CREDIT HOURS</b>                                 | <b>17</b> |  |  |           |

### NC STATE SENIOR YEAR

| Fall Semester                             | Credit    |  | Spring Semester                                   | Credit    |
|---|-----------|--|---|-----------|
| EMS 475: Methods of Teaching Science II   | 3         |  | EMS 476: Student Teaching in Technology Education | 10        |
| Biochemistry or Microbiology              | 4         |  | EMS 495: Senior Seminar in Science Education      | 2         |
| ES 200: Climate Change and Sustainability | 3         |  | <b>TOTAL CREDIT HOURS</b>                         | <b>12</b> |
| Biological Sciences Elective              | 3         |  |   |           |
| Free Elective                             | 1         |  |   |           |
| <b>TOTAL CREDIT HOURS</b>                 | <b>14</b> |  |   |           |

|   |     |
|---|-----|
| Minimum Credit Hours Required for Graduation: | 128 |
| Credits Transferred from CCAA Degree:         | 65  |
| Hours Remaining in NC State Degree:           | 63  |

- 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/>