

NC Community College Four-Year Pathway Plan

Schedule for Full-Time Students

Pursuing AS Degree & transfer into Science Education: Chemistry Concentration (BS) at NCSU.
(Placed Out Of All Developmental Courses)

Note: To earn the **AS** degree, all students are required to complete:

2 semesters of English Composition;

2 semesters of Mathematics;

2 semesters of Natural Sciences;

4 semesters of Humanities/Fine Arts, to include one semester of Literature & one semester of Communications;

4 semesters of Behavioral/

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

NC COMMUNITY COLLEGE FIRST YEAR

Fall Semester	Credit		Spring Semester	Credit
ENG 111 - ENG 101 Academic Writing and Research	3		ACA 122 - GEP Interdisciplinary Perspectives Requirement	1
HIS 131 - GEP Humanities Requirement	3		ENG 112 - Free Elective	3
BIO 111 - BIO 183: Cellular and Molecular Biology	4		COM 231 - COM 110: Public Speaking	3
MAT 171 – GEP Additional Breadth Requirement	4		MAT 172 - GEP Requirement	4
TOTAL CREDIT HOURS	14		BIO 112 - BIO 181: Ecology, Evolution and Biodiversity	4
			TOTAL CREDIT HOURS	15

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

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

NC COMMUNITY COLLEGE SECOND YEAR

Fall Semester	Credit		Spring Semester	Credit
SOC 220 – Social Science Requirement	3		PHY 152 - PY 211: College Physics II	4
MAT 271 - Calculus I	4		CHM 152 - CH 201: Quantitative Chemistry and CH 202: Quantitative Chemistry Lab	4
PHY 151 - PY 211: College Physics I	4		MAT 272 - Calculus II	4
CHM 151 - CH 101: Chemistry-A Molecular Science and CH 102: General Chemistry Lab	4		PSY 150 - GEP Humanities Requirement	3
TOTAL CREDIT HOURS	15		TOTAL CREDIT HOURS	15
			APPLY FOR ASSOCIATE IN SCIENCE DEGREE	

THIS SHEET IS FOR ADVISING PURPOSES ONLY. Students should work with their Advisor to determine course selections that will result in the greatest transferrable credit, for the intended program, upon transfer to the four-year school.

Note 4-semester outline based upon no pre-requisites classes required

NC STATE UNIVERSITY

Schedule of Courses for the Science Education: Chemistry Concentration (BS) (13SCIEDBS-13SCIEDCH)

To be considered for admission into the College of Education the minimum requirements are:

- 2.7 GPA
- College-level English
- 3-4 semester hours of Calculus
- 8 semester hours of Biology, Chemistry or Physics

NC STATE JUNIOR YEAR

SUMMER BEFORE JUNIOR YEAR: MEA 101 & 110: Geology I & Lab (4 hours Credit)

Fall Semester	Credit		Spring Semester	Credit
ED 100: Intro to Education	2		CH 223: Organic Chemistry II	3
CH 221: Organic Chemistry I	3		CH 224: Organic Chemistry II Lab	1
CH 222: Organic Chemistry I Lab	1		EDP 304: Educational Psychology	2
ED 204: 21 st Century Teaching	2		CH 401: Systematic Inorganic Chemistry	3
EMS 205: Introduction to Teaching Science	3		EMS 373: Instructional Materials in Science	3
ELP 344: School & Society	3		EMS 375: Methods of Teaching Science I	3
Chemistry Elective	3		ECI 416: Teaching Exceptional Students	3
Met through CAA - GEP HES_ Health & Exercise Studies Course			Met through CAA - GEP HES_ Health & Exercise Studies Course	
TOTAL CREDIT HOURS	17		TOTAL CREDIT HOURS	18

SUMMER SESSION: History/Philosophy of Science Elective (3 hrs Credit)

NC STATE SENIOR YEAR

Fall Semester	Credit		Spring Semester	Credit
CH 331: Physical Chemistry I	3		EMS 476: Student Teaching in Science	10
CH 315: Quantitative Analysis	4		EMS 495: Senior Seminar in Math & Science	2
ED 311/312: Classroom Assessment Principles and Practices	3		Free Elective	1
ES 200: Climate Change & Sustainability	4		TOTAL CREDIT HOURS	13
EMS 475: Methods of Teaching Science II	3			
TOTAL CREDIT HOURS	17			

Minimum Credit Hours Required for Graduation:	128
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Credits Transferred from CCAS Degree:	56
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Hours Remaining in NC State Degree:	72
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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/>