

NC Community College Four-Year Pathway Plan

Schedule for Full-Time Students
Pursuing AS Degree & transfer into Chemistry (BS) at NCSU.
(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.

North Carolina State University **strongly recommends** students complete their Associate's degree prior to transferring to NCSU. Pathways are structured for students who have completed all requirements for their Associate's degree and [qualify for the CAA](#).

NC COMMUNITY COLLEGE FIRST YEAR				
Fall Semester	Credit		Spring Semester	Credit
ENG 111 - ENG 101: Academic Writing and Research	3		ENG 112 - GEP Requirement	3
MAT 271 – MA 141, Calculus I	4		MAT 272 – MA 241, Calculus II	4
CHM 151 – CH 101: General Chemistry I, CH 102: General Chemistry I Lab	4		CHM 152 – CH 201 & CH 202: Quantitative Chemistry/Lab	4
PSY 150 – PSY 200, GEP Social Science	3		PHY 251 – PY 205 & PY 206	4
ACA 122 - Free Elective	1		TOTAL CREDIT HOURS	15
TOTAL CREDIT HOURS	15			

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

NC COMMUNITY COLLEGE SECOND YEAR				
Fall Semester	Credit		Spring Semester	Credit
PHY 252 – PY 208 & PY 209	4		HUM 110 – STS 214, GEP Interdisciplinary Perspectives	3
PHI 215 – PHI 205, GEP Humanities	3		CHM 252 – CH 223 & CH 224: Organic Chemistry II & Lab	4
MAT 273 – MA 242, Calculus III	4		POL 120 – PS 201, GEP Social Sciences	3
CHM 251 – CH 221 & CH 222: Organic Chemistry I & Lab	4		REL 110 – GEP Additional Breadth	3
COM 231 – COM 110, GEP Humanities	3		MAT 285 – MA 341, Differential Equations***	3
TOTAL CREDIT HOURS	18		TOTAL CREDIT HOURS	16

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.

- 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/>

***Students may opt to take MA 341 or its equivalent, MAT 285, during the Summer before matriculating to NC State. MAT 285 at the community college level is recommended.

NC STATE UNIVERSITY

Schedule of Courses for the Chemistry (BS) (17CHEMBS)

Before applying please consult the [Transfer Admission Review Standards](#) for admission into the College of Sciences.

NC STATE JUNIOR YEAR			
Fall Semester	Credit		Spring Semester
COS 295: COS Orientation	1		CH 431: Physical Chemistry I
CH 315: Quantitative Analysis	3		BCH 451: Principles of Biochemistry
CH 316: Quantitative Analysis Laboratory	1		Advanced Writing
CH 401: System Inorganic Chemistry I	3		Advised Elective
CH 442: Advanced Synthetic Techniques	4		Advised Elective
Advised Elective	3		
TOTAL CREDIT HOURS	15		TOTAL CREDIT HOURS
			16
NC STATE SENIOR YEAR			
Fall Semester	Credit		Spring Semester
CH 452: Advanced Measurement Techniques I	4		Chemistry Advanced Laboratory Option
CH 433: Physical Chemistry II	3		Chemistry Advanced Elective
CH 415: Analytical Chemistry II	3		Advised Elective
Chemistry Advanced Elective	3		Free Elective
TOTAL CREDIT HOURS	13		TOTAL CREDIT HOURS
			13
Minimum Credit Hours Required for Graduation:			121
Hours Remaining in NC State Degree:			57