

NC Community College Four-Year Pathway Plan

Schedule for Full-Time Students
Pursuing AS Degree & transfer into Microbiology (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**.

Version revised Spring 2018.

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
COM 231 – GEP Requirement	3		MAT 172 – MA 108: Precalculus II, Departmental prerequisite	4
CHM 151 – CH 101 & 102, General Chemistry & Lab	4		CHM 152 – CH 201 & 202, Quantitative Chemistry & Lab	4
MAT 171 – MA 107: Precalculus I, Departmental prerequisite	4		UGETC Humanities/Fine Arts – GEP Requirement	3
ACA 122 - Free Elective	1		TOTAL CREDIT HOURS	14
TOTAL CREDIT HOURS	15			

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

Students may wish to take summer courses if available.

NC COMMUNITY COLLEGE SECOND YEAR				
Fall Semester	Credit		Spring Semester	Credit
MAT 271 – MA 141: Calculus I	4		MAT 272 – MA 241, Calculus II	4
CHM 251 – CH 221 & CH 222: Organic Chemistry I & Lab	3		CHM 252 – CH 223 & CH 224: Organic Chemistry II & Lab	4
PSY 150/SOC 210/POL 120 – GEP Social Sciences	3		HUM 110 – STS 214, GEP Interdisciplinary Perspectives	3
HIS 111,112,131 or 132 – GEP Humanities	3		UGETC Humanities or Social Science – GEP Additional Breadth	3
BIO 111 – BIO 183: Cellular & Molecular Biology	4		BIO 112 – BIO 181: Ecology, Evolution & Diversity	4
TOTAL CREDIT HOURS	17		TOTAL CREDIT HOURS	18

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 Microbiology (BS) (17MBIOBS)

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
BSC 303: Transfer Student Transitions	1		MB 411/412: Medical Microbiology & Lab
ST 311: Intro to Statistics	3		ENG 333: Communication for Science/Research
MB 351/352: General Microbiology & Inquiry-Guided Lab	4		Free Elective
Free Elective	3		Cell/Physiology Elective
GN 311: Principles of Genetics	4		Laboratory Elective
TOTAL CREDIT HOURS	14		TOTAL CREDIT HOURS

Summer Sessions I & II: PY 211 & PY 212, College Physics I & II, 4 hours credit each

NC STATE SENIOR YEAR			
Fall Semester	Credit		Spring Semester
MB 414: Metabolic Regulation	3		MB 480: Issues in Microbiology
Gene Expression Elective	3		MB 451/452: Microbial Diversity & Lab
Microbiology Elective	6		Microbiology Elective
Biochemistry Elective	4		Free Elective
TOTAL CREDIT HOURS	16		TOTAL CREDIT HOURS

Minimum Credit Hours Required for Graduation:	123
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Hours Remaining in NC State Degree:	66
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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 AA degree or BA 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/>