



# TRANSFER GUIDE

## Normandale Community College to Concordia University, St. Paul Bachelor of Science in Biology



**Step 1:** Complete an AS degree at Normandale  
*AS Biology Transfer Pathway or AS Health Sciences Broad Field preferred*



**Step 2:** Complete the MnTC Goal Areas not met by the AS degree and remaining elective credits through NCC or CSP\* (6-8 credits Theology must be completed at CSP)



**Step 3:** Complete the remaining requirements at Concordia University.\*

BS Biology at Concordia University, St. Paul	Credit	CSP Notes	Normandale Course Option
<b>Prerequisites from General Education</b>			
BIO 120 General Biology I	4	Prerequisite	BIOL 1501 Principles of Biology 1
CHE 115 General Chemistry I	4	Prerequisite	CHEM 1061 Principles of Chemistry 1
Select one of the following: MAT 125 Precalculus or MAT 135 Calculus I	4	Prerequisite	Select one of the following: MATH 1500 Pre-Calc or MATH 1510 Calculus 1
<b>Required Major Credits and Major Elective Options</b> <i>Bachelor of Science Biology Majors may choose to complete up to 28 major credits at Normandale*</i>			
BIO 130 General Biology II	4	Requirement	BIOL 1502 Principles of Biology 2
BIO 210 Genetics	4	Requirement	BIOL 2205 Genetics
BIO 330 Cell Biology	4	Requirement	BIOL 2207 Cell Biology
Select one: SCI 435 Research and Techniques or SCI 455 Research in Science	4	Requirement	<i>*Must be completed at CSP</i>
Select one: SCI 450 Literature Review of Special Topics (2) or SCI 436 Advanced Research & Techniques (4) or SCI 456 Advanced Research in Science (4)	2-4	Requirement	<i>*Must be completed at CSP</i>
CHE 116 General Chemistry II	4	Requirement	CHEM 1062 Principles of Chemistry 2
CHE 221 Organic Chemistry I	4	Requirement	CHEM 2061 Organic Chemistry 1
CHE 328 Biochemistry I	4	Requirement	<i>*Must be completed at CSP</i>
MAT 110 Intro. to Prob. and Statistics	3	Requirement	MATH 1080 Introduction to Statistics
Select one of the following: PHS 112 General Physics I (Trig Based) PHS 221 General Physics I (Calc Based)	4	Requirement	Select one of the following: PHYS 1201 Physics 1 with Biomedical Appl. PHYS 1121 Physics 1 Scientists and Engineers
BIO 300 Microbiology	4	Major Elective	BIOL 2208 Biology of Microorganisms
BIO 350 Medical Terminology	2	Major Elective	HLTH 1010 Health Professions Terminology
BIO 315 Human Anatomy & Physiology I	4	Major Elective	BIOL 2041 Human Anatomy and BIOL 2042 Human Physiology
BIO 316 Human Anatomy & Physiology II	4	Major Elective	<i>*Both BIOL 2041 and BIOL 2042 must be completed at NCC for equivalency at CSP.</i>
BIO XXX Biology Elective Courses	X	Major Elective	<i>*Must be completed at CSP</i>
<i>*see <a href="http://www.csp.edu/transfer">www.csp.edu/transfer</a> for important transfer policies</i>			Guide approved 04-2020, OA/GS