

This document is designed for community college students completing the Biology Transfer Pathway A.S. with the intent to transfer to the University of St. Thomas and complete the Biology B.A. or B.S. degree. Students who do not intend to complete the 60-credit degree should contact our [transfer admission team](#) to plan course selections for the major and the goal areas.

Below is the list of approved coursework from the pathway that meets general education requirements or Biology major requirements. All courses must be completed with a C- or better to transfer.

Inver Hills Community College Biology Pathway Credits	Credits	St. Thomas Biology Requirements Met
BIOL 1154 Principles of Biology I	4	BIOL 101 General Biology
BIOL 1155 Principles of Biology II	5	BIOL 207 Genetics, Ecology and Evolution
BIOL 2303 Genetics	5	BIOL 298 Biology elective
Choose One: BIOL 2306 General Ecology or BIOL 2205 Microbiology	4	BIOL 298 Biology Elective BIOL 256 Foundations of Microbiology and Health
CHEM 1061 General Chemistry I w/lab	5	CHEM 111 General Chemistry I
CHEM 1062 General Chemistry II w/lab	5	CHEM 112 General Chemistry II
Additional Math Requirement (8-10 credits): MATH 1103 Introduction to Statistics* MATH 1119 College Algebra II* MATH 1127 Precalculus* MATH 1133 Calculus I*	8-10	MATH 220 Statistics I MATH 104 Trigonometry MATH 105 Precalculus MATH 113 Calculus I
Goal area 1 – ENG 1108*	7	Meets English requirement
Goal area 2 –		St. Thomas recommends competition of MnTC
Goal area 3- Met in major courses		
Goal area 4 – Met in major courses		
Goal area 5 – PSYC 1101 or ECON 1106 or COMM 2240	3	Meets Social Science Analysis requirement Meets Global Perspective <u>or</u> Integrated into the Humanities
Goal area 6 – ART, MUSC or THTR intro course*	3	Meets fine arts requirement
Goal area 7-10 – HIST 1107 or 1114*	3	Meets history requirement
Additional courses to meet the credit requirement Suggest CHEM 2061 Organic Chemistry I*	7-9	CHEM 201 Organic Chemistry I
Total credits for MnTC/A.A Degree	60 - 61	
*Course has a prerequisite. See course schedule or catalog description.		

Remaining major courses for Biology B.S. degree	Credits
BIOL 208 Biological Communication and Energetics	4
BIOL 209 Biology of Sustainability	4
Complete 28 credits from the elective list: 16 credits must include a lab component, 4 credits at 4XX level	28
Allied course requirements:	
CHEM 111 General Chemistry I and CHEM 112 General Chemistry II	0-8
STAT 220 Statistics I** <u>Or</u> STAT 310 Biostatistics <u>Or</u> MATH 303 Statistics for Applied Sciences	0-4
MATH 109 Calculus with Review II <u>Or</u> MATH 113 Calculus I **	0-4
Complete 1 additional course from the allied elective list with faculty approval	4
** May transfer in from the biology pathway	
Total for major	40 - 56
Remaining graduation requirements for a B.S. degree	Credits
1 Theology course and 1 Philosophy course	8
Elective credits to reach a minimum of 129 credits	5 - 21
Total credits completed at university	69
Total credits for B.S. degree	129

Remaining major courses for Biology B.A. degree	Credits
BIOL 208 Biological Communication and Energetics	4
BIOL 209 Biology of Sustainability	4
Complete 18 credits from elective list: No more than 4 credits from courses numbered BIOL 210-298, 8 credits must include a lab component, 4 credits at 4XX level	24
Allied course requirements:	
CHEM 100: Chemistry in Our World or CHEM 101: Environmental Chemistry or CHEM 108: Chemistry for Nursing or CHEM 109: General Chemistry for ENGR or CHEM 111: General Chemistry I or CHEM 112: General Chemistry II or CHEM 115: Accelerated General Chemistry**	0-4
STAT 220 Statistics I**	0-4
MATH 109 Calculus with Review II Or MATH 113 Calculus I **	0-4
** May transfer in from the biology pathway	
Total for major	32 - 44
Remaining graduation requirements for a B.A. degree	Credits
1 Theology course and 1 Philosophy course	8
Elective credits to reach a minimum of 129 credits	17 - 29
Total credits completed at university	69
Total credits for B.A. degree	129

Advising Notes:

Biology degree can be completed as a BS or BA degree: <https://www.stthomas.edu/catalog/current/biol/>

All sequence courses should be completed at the same institution. Ex. General Biology I & II, Introduction to Physics I & II.

Microbiology is required as an upper-division course for many graduate programs. If you plan to go on to graduate school, Microbiology should be taken after transfer.

The choice of elective courses should be based on your intended career and graduate school goals. Please contact Kristian Santiago at kristian.santiago@stthomas.edu for assistance before signing up for elective coursework. Consult with Kristian when choosing courses for goal areas 5-10 to maximize meeting St Thomas' graduation requirements. This pathway assumes the student completes the MnTC before transferring to St. Thomas. Completion of the MnTC is highly encouraged to avoid extending your graduation timeline.

Students transferring in at junior status should have the following courses completed in the major before transfer:
BIOL 1154 and 1155, CHEM 1061 and 1062, and MATH 1103 and MATH 1133

Transfer application link:

<https://www.stthomas.edu/admissions/undergraduate/transfer/apply/index.html>