

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.

Saint Paul College Biology Pathway Credits	Credits	St. Thomas Biology Requirements Met
BIOL 1740 General Biology 1: The Living Cell	5	BIOL 101 General Biology
BIOL 1745 General Biology 2: The Living World	5	BIOL 207 Genetics Ecology and Evolution (must complete BIOL 1740 and BIOL 1745)
BIOL 2755 Genetics	4	BIOL 298: Biology Elective
Choose one of the following: BIOL 17xx General Ecology (from partner school)	4	Depends on the school chosen
BIOL 17xx Cell & Molecular Biology (from partner school)	4	Depends on the school chosen
BIOL 2750 General Microbiology	4	BIOL 256 Foundations of Microbiology and Health
Additional Math Requirement (8-10 credits): MATH 1740 Introduction to Statistics*	4	STAT 220 Statistics I
MATH 1730 College Algebra	3	MATH 199 Mathematics Elective
MATH1750 Trigonometry	3	MATH 104 Trigonometry
MATH 1762 Pre-Calculus	5	MATH 105 Precalculus
MATH 2749 Calculus I*	4	MATH 113 Calculus I
Goal area 1 – ENGL 1711, COMM 1730	9	Meets English requirement; COMM = Integ./Humanities
Goal area 2 –		St. Thomas recommends competition of MnTC or A.A. degree
Goal area 3- CHEM 1711 Principles of Chemistry I	4	CHEM 111 General Chemistry I
CHEM 1712 Principles of Chemistry II	4	CHEM 112 General Chemistry II
Goal area 4 – Met in major courses		
Goal area 5 – ECON 1730, PSYC 1710, SOCI 1710	3	Meets social science analysis requirement
Goal area 6 – MUSC 1740, MUSC 1750 or THTR 1710	3	Meets fine arts requirement
Goal area 7-10 – HIST 1746, 1760 or 1761*	3	Meets history requirement
Total credits for A.A Degree	60	
*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 or CHEM 115 Accelerated General Chemistry**	0-4
STAT 220 Statistics I ** or STAT 310 Biostatistics or MATH 303 Statistics for the Applied Sciences	0-4
MATH 109 Calculus with Review II or 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	40-52
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	9-21
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 the 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	18
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
** May transfer in from the biology pathway	
Total for major	26 - 34
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	27 - 35
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. Principles of Biology I & II, College 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 1740 and BIOL 1745, CHEM 1711 and CHEM 1712, and MATH 1740 and MATH 2749

Transfer application link:

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