NORMANDALE COLLEGE
CHEMISTRY TRANSFER PATHWAY

This document is designed for community college students completing the Chemistry Transfer Pathway A.S. with the intent to transfer to the University of St. Thomas and complete the Chemistry B.A. or a 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 Chemistry major requirements. All courses must be completed with a C- or better to transfer.

Normandale Chemistry Pathway Credits	Credits	**St. Thomas Chemistry Requirements Met**
CHEM 1061 Principles of Chemistry 1	5	CHEM 111 General Chemistry I
CHEM 1062 Principles of Chemistry 2	5	CHEM 112 General Chemistry II
CHEM 2061 Organic Chemistry 1	5	CHEM 201 Organic Chemistry I
CHEM 2062 Organic Chemistry 2	5	CHEM 202 Organic Chemistry II
MATH 1510 Calculus 1	5	MATH 113 Calculus I
MATH 1520 Calculus 2	5	MATH 114 Calculus II
PHYS 1121 Physics 1 for Scientists and Engineers	5	PHYS 211 Classical Physics I
PHYS 1122 Physics 2 for Scientists and Engineers	5	PHYS 212 Classical Physics II
Subtotal	40	
Normandale – MnTC		**St. Thomas Core**
Goal area 1 - ENGC 1101*	7	Meets English
Goal area 2 – fulfilled by MnTC		
Goal area 3- completed by pathway		Meets Natural Sciences
Goal area 4 – completed by pathway		Meets Quantitative Analysis
Goal areas 5-10 Completion of the MnTC is recommended to graduate on time*	13	Meets general education requirements except for Theology, Philosophy, and Senior Capstone Experience.
Total credits for A.S Degree	60	
* Recommended for university		

Remaining major courses for Chemistry B.S. degree (American Chemical Society approved)	Credits
CHEM 220 Foundations in Inorganic Chemistry	4
CHEM 300 Quantitative Analysis	4
CHEM 320 Instrumental Analysis	4
CHEM 331 Chemical Thermodynamics and Reaction Dynamics	4
CHEM 332 Quantum Chemistry and Molecular Spectroscopy	4
CHEM 440 Biochemistry I	4
CHEM 481-484 Student Seminar Sequence	2
CHEM electives (6 credits from a select list)	6
Plus A research requirement that can be satisfied by taking CHEM 491 Research (2 or 4 credits) from the CHEM electives listed above or by completing a summer research project approved by the department. Note: Only 4 credits of research may be applied to the degree.	(0 – 4)
Total for B.S. major	32-36
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	25-29
Total credits completed at university	69
Total credits for B.S. degree	129

Remaining major courses for Chemistry B.A. degree	Credits
CHEM 300 Quantitative Analysis	4
CHEM 320 Instrumental Analysis	4
CHEM 481-484 Student Seminar Sequence	2
Plus four credits from the following: CHEM 331 Chemical Thermodynamics and Reaction Dynamics CHEM 332 Quantum Chemistry and Molecular Spectroscopy	4
Plus CHEM electives (8 credits from a select list) Note: Only 4 credits of research may be applied to the degree.	8
Total for B.A. major	22
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	39
Total credits completed at university	69
Total credits for B.A. degree	129

Advising Notes:

Chemistry degree can be completed as a BA or BS degree: https://www.stthomas.edu/catalog/current/chem/

Students interested in the Biochemistry degree should complete the Chemistry transfer pathway. The remaining courses at St Thomas will vary from the requirements for the Chemistry B.S. degree and can be found here.

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

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 prior to transfer: CHEM 1061 and 1062, MATH 1510 and 1520, and PHYS 1121 and 1122 Completing the full AS degree, and completing the MnTC, before transfer is highly recommended to graduate on time.

Transfer application link:
https://www.stthomas.edu/admissions/undergraduate/transfer/apply/index.html