

UNIVERSITY OF ST. THOMAS

SCHOOL OF ENGINEERING

North Hennepin Community College: Brooklyn Park

2024-2025 TRANSFER COURSE GUIDE

The following courses transfer directly into Civil, Electrical, Computer, and Mechanical Engineering programs at the University of St. Thomas. We invite prospective students to tour the School of Engineering and meet with faculty and financial aid staff to determine the best time for transfer. More information is available at <https://www.stthomas.edu/engineering/transfer>.

Students who complete Minnesota Transfer Curriculum prior to transfer to University of St. Thomas may apply it to the core curriculum (sometimes referred to as general requirements). Engineering students would only need to complete two core classes after transfer. For more information about the St. Thomas core: <https://www.stthomas.edu/academics/core-curriculum/courses/index.html>

Students can search for courses that transfer into the St. Thomas core curriculum using the transfer credit tool found here: <https://www.stthomas.edu/admissions/undergraduate/transfer/credit-transfer/index.html> You will want to make sure the course satisfies the NEW UG Core.

Civil Engineering – Major Requirements			
Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
MATH 1221*	Calculus 1	5	MATH 113
MATH 1222*	Calculus 2	5	MATH 114
MATH 2210	Differential Equations	5	MATH 210
PHYS 1601**	General Physics 1	5	PHYS 211
PHYS 1602**	General Physics 2	5	PHYS 212
CHEM 1061**	Principles of Chemistry 1	4	CHEM 111 (must include lab)
ENGR 1000	Intro to Engineering and Design	3	ENGR 100
ENGR 2301	Statics	3	ENGR 220
ENGR 2303	Dynamics	3	ENGR 322 (requires 1.0 lab after transfer)
MATH 2010	Probability and Statistics	4	DASC 120

*Course satisfies Qualitative Analysis Requirement of the St. Thomas Core
**Course satisfies Natural Science Requirement of the St. Thomas Core

Computer Engineering – Major Requirements			
Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
MATH 1221*	Calculus 1	5	MATH 113
MATH 1222*	Calculus 2	5	MATH 114
MATH 2210	Differential Equations	5	MATH 210
PHYS 1601**	General Physics 1	5	PHYS 211

PHYS 1602**	General Physics 2	5	PHYS 212
ENGR 1000	Intro to Engineering and Design	3	ENGR 100
ENGR 2410	Circuit Analysis	4	ENGR 240
*Course satisfies Qualitative Analysis Requirement of the St. Thomas Core			
**Course satisfies Natural Science Requirement of the St. Thomas Core			

Electrical Engineering – Major Requirements

Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
MATH 1221*	Calculus 1	5	MATH 113
MATH 1222*	Calculus 2	5	MATH 114
MATH 2220	Multivariable Calculus	5	MATH 200
MATH 2400	Linear Algebra & Diff. Equations	5	MATH 210
PHYS 1601**	General Physics 1	5	PHYS 211
PHYS 1602**	General Physics 2	5	PHYS 212
ENGR 1000	Intro to Engineering and Design	3	ENGR 100
ENGR 2410	Circuit Analysis	4	ENGR 240
*Course satisfies Qualitative Analysis Requirement of the St. Thomas Core			
**Course satisfies Natural Science Requirement of the St. Thomas Core			

Mechanical Engineering – Major Requirements

Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
MATH 1221*	Calculus 1	5	MATH 113
MATH 1222*	Calculus 2	5	MATH 114
MATH 2220	Calculus 3	5	MATH 200
MATH 2400	Differential Equations	5	MATH 210
PHYS 1601**	General Physics 1	5	PHYS 211
PHYS 1602**	General Physics 2	5	PHYS 212
CHEM 1061**	Principles of Chemistry 1	4	CHEM 111 (must include lab)
ENGR 1000	Intro to Engineering and Design	3	ENGR 100
ENGR 2301	Statics	3	ENGR 220
ENGR 2303	Dynamics	3	ENGR 322 (requires 1.0 lab after transfer)
ENGR 2340	Thermodynamics	3	ENGR 381 (requires 1.0 lab after transfer)
ENGR 2410	Circuit Analysis	4	ENGR 350
*Course satisfies Qualitative Analysis Requirement of the St. Thomas Core			
**Course satisfies Natural Science Requirement of the St. Thomas Core			

This guide is accurate to the best of our knowledge and ability at the time of publication but is subject to change.