

UNIVERSITY OF ST. THOMAS

SCHOOL OF ENGINEERING

SAINT PAUL COLLEGE

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
ENGR 1706 OR ENGR 1707	Principles of Engineering Intro to Engineering	2 3	ENGR 100 ENGR 100
MATH 1740*	Intro. to Statistics	4	STAT 220 (in future may require addtnl lab)
MATH 2749*	Calculus I	4	MATH 113
MATH 2750*	Calculus II	4	MATH 114
MATH 2760	Differential Equations & Lin. Alg	4	MATH 210
PHYS 2700**	General Physics 1 (with calc)	5	PHYS 211
PHYS 2710**	General Physics 2 (with calc)	5	PHYS 212
CHEM 1711**	Principles of Chemistry 1	4	CHEM 109
ENGR 2705	Statics	3	ENGR 220
ENGR 2712	Deformable Body Mechanics	3	ENGR 221 after completion of 1 cr. lab at UST
ENGR 2710	Dynamics	3	ENGR 222

Electrical Engineering – Major Requirements			
Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
ENGR 1706 OR ENGR 1707	Principles of Engineering Intro to Engineering	2 3	ENGR 100 ENGR 100
MATH 2749*	Calculus I	4	MATH 113
MATH 2750*	Calculus II	4	MATH 114
MATH 2753	Multivariable Calculus	4	MATH 200
MATH 2760	Differential Equations & Lin. Alg	4	MATH 210
PHYS 2700**	General Physics 1 (with calc)	5	PHYS 211
PHYS 2710**	General Physics 2 (with calc)	5	PHYS 212

Computer Engineering – Major Requirements			
Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
ENGR 1706	Principles of Engineering	2	ENGR 100
OR ENGR 1707	Intro to Engineering	3	ENGR 100
MATH 2749*	Calculus I	4	MATH 113
MATH 2750*	Calculus II	4	MATH 114
MATH 2760	Differential Equations & Lin. Alg	4	MATH 210
PHYS 2700**	General Physics 1 (with calc)	5	PHYS 211
PHYS 2710**	General Physics 2 (with calc)	5	PHYS 212
CSCI 2570	Machine Architecture & Org.	4	ENGR 330

Mechanical Engineering – Major Requirements			
Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
ENGR 1706	Principles of Engineering	2	ENGR 100
OR ENGR 1707	Intro to Engineering	3	ENGR 100
MATH 2749*	Calculus I	4	MATH 113
MATH 2750*	Calculus II	4	MATH 114
MATH 2753	Multivariable Calculus	4	MATH 200
MATH 2760	Differential Equations & Lin. Alg	4	MATH 210
PHYS 2700**	General Physics 1 (with calc)	5	PHYS 211
PHYS 2710**	General Physics 2 (with calc)	5	PHYS 212
CHEM 1711**	Principles of Chemistry 1	4	CHEM 109
ENGR 1714	Engineering CAD	2	ENGR 170
ENGR 2705	Statics	3	ENGR 220
ENGR 2710	Dynamics	3	ENGR 322 after completion of 1 cr. lab at UST
ENGR 2712	Deformable Body Mechanics	3	ENGR 221 after completion of 1 cr. lab at UST

*Course satisfies Qualitative Analysis Requirement

**Course satisfies Natural Science Requirement

***Course satisfies Social Analysis Requirement

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