

UNIVERSITY OF ST. THOMAS

SCHOOL OF ENGINEERING

SAINT PAUL COLLEGE

2020-2021 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>.

Full course transfer guides which include St. Thomas core curriculum requirements are found at <https://www.stthomas.edu/admissions/undergraduate/transfer/community-college-course-guides/index.html>

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
ECON 251***	Principles of Macroeconomics	3	ECON 251 (recommended)
*Course satisfies Qualitative Analysis Requirement			
**Course satisfies Natural Science Requirement			
***Course satisfies Social Analysis Requirement			

Computer 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 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
*Course satisfies Qualitative Analysis Requirement			
**Course satisfies Natural Science Requirement			

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

*Course satisfies Qualitative Analysis Requirement

**Course satisfies Natural Science Requirement

Mechanical 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
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