UNIVERSITY OF ST. THOMAS

SCHOOL OF ENGINEERING

Minneapolis Community & Technical College

2022-2023 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
MATH 1180*	Calculus 1	5	MATH 113
MATH 1190*	Calculus 2	5	MATH 114
MATH 2210	Linear Algebra &Diff. Equations	5	MATH 210
PHYS 1211**	Physics for Science and Engineering 1	6	PHYS 211 (must include lab)
PHYS 1221**	Physics for Science and Engineering 2	6	PHYS 212 (must include lab)
CHEM 1151**	Principles of Chemistry 1	5	CHEM 111 (must include lab)
*Course satisfies Qualitative Analysis Requirement **Course satisfies Natural Science Requirement			

Computer Engineering – Major Requirements			
Saint Paul Course #	Saint Paul Course Title	Cr.	St. Thomas Course Equivalence
MATH 1180*	Calculus 1	5	MATH 113
MATH 1190*	Calculus 2	5	MATH 114
MATH 2210	Linear Algebra &Diff. Equations	5	MATH 210
PHYS 1211**	Physics for Science and Engineering 1	6	PHYS 211 (must include lab)
PHYS 1221**	Physics for Science and Engineering 2	6	PHYS 212 (must include lab)
*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
MATH 1180*	Calculus 1	5	MATH 113
MATH 1190*	Calculus 2	5	MATH 114
MATH 2220	Multivariable Calculus	5	MATH 200
MATH 2210	Linear Algebra &Diff. Equations	5	MATH 210
PHYS 1211**	Physics for Science and Engineering 1	6	PHYS 211 (must include lab)

PHYS 1221**	Physics for Science and Engineering 2	6	PHYS 212 (must include lab)
*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
MATH 1180*	Calculus 1	5	MATH 113
MATH 1190*	Calculus 2	5	MATH 114
MATH 2220	Multivariable Calculus	5	MATH 200
MATH 2210	Linear Algebra &Diff. Equations	5	MATH 210
PHYS 1211**	Physics for Science and Engineering 1	6	PHYS 211 (must include lab)
PHYS 1221**	Physics for Science and Engineering 2	6	PHYS 212 (must include lab)
CHEM 1151**	Principles of Chemistry 1	5	CHEM 111 (must include lab)
*Course satisfies Qualitative Analysis Requirement **Course satisfies Natural Science Requirement			