

B.S. CIVIL ENGINEERING & B.A. GERMAN

Plan of Study

Year 1	Fall		Spring
	FYEX Foundation for College Success		
	ENGR 100 (FYE) Introduction to Engineering Design		ENGR 162 Intro to Engineering Graphics
	ENGR 160 Surveying		GEOL 163 Applied Geology
	MATH 113 Calculus I		PHYS 211 Classical Physics I
	GERM 111 Elementary German I		MATH 114 Calculus II
	CORE requirement		GERM 112 Elementary German II
	January-term		Summer
CORE requirement		CORE requirement	
Year 2	Fall		Spring
	ENGR 220 Statics		ENGR 221 Mechanics of Materials (Lab)
	PHYS 212 Classical Physics II		ENGR 222 General Dynamics
	MATH 210 Introduction to Differential Equations & Systems		CHEM 109 General Chemistry for Engineers (Lab)
	GERM 211 Intermediate German I		GERM 212 Intermediate German II
	January-term		Summer
	STAT 220 Statistics (Lab)		CORE requirement
Year 3	Fall		Spring
	ENGR 362 Construction & Engineering Economic Analysis (Lab)		ENGR 363 Construction Materials (Lab)
	ENGR 364 Structural Analysis		ENGR 365 Design of Steel & Concrete Structures
	CORE requirement		ENGR 466 Transportation Engineering
	GERM 300 Introduction to German Studies		ENGR 368 Fluid Mechanics for Civil Engineering (Lab)
			GERM (1) 3XX or 4XX
	January-term		Summer
	CORE requirement		LOCAL Internship
Year 4	Fall - In Germany		Spring - In Germany
	GERM (2) 3XX or 4XX		
	GERM (3) 3XX or 4XX		GERM (4) 477 or 478 Experiential Learning
	CORE requirement		
Year 5	Fall		Spring
	ENGR 480 Engineering Design Clinic I		ENGR 481 Engineering Design Clinic II
	ENGR 463 Soil Mechanics & Foundations (Lab)		ENGR 468 Environmental Engineering
	ENGR 467 Water Resources		ENGR Elective
	GERM (5) 3XX or 4XX		GERM (6) 3XX or 4XX
	January-term		Summer
CORE requirement			

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Complete Course Listing:

Engineering Courses: 61 Engineering Credits

ENGR 100 - Introduction to Engineering Design (2 credits)
ENGR 160 - Surveying (2 credits)
ENGR 162 - Introduction to Engineering Graphics (1 credit)
ENGR 220 - Statics (4 credits)
ENGR 221 - Mechanics of Materials (4 credits)
ENGR 222 - General Dynamics (2 credits)
ENGR 362 - Construction & Engineering Economic Analysis (4 credits)
ENGR 363 - Construction Materials (4 credits)
ENGR 364 - Structural Analysis (4 credits)
ENGR 365 - Design of Steel & Concrete Structures (4 credits)
ENGR 368 - Fluid Mechanics for Civil Engineering (4 credits)
ENGR 463 - Soil Mechanics & Foundations (4 credits)
ENGR 466 - Transportation Engineering (4 credits)
ENGR 467 - Water Resources (4 credits)
ENGR 468 - Environmental Engineering (4 credits)
ENGR 480 - Engineering Design Clinic I (4 credits)
ENGR 481 - Engineering Design Clinic II (4 credits)
ENGR Elective (2 credits)

Allied Requirements: 32 Allied Requirement Credits

MATH 113 - Calculus I (4 credits)
MATH 114 - Calculus II (4 credits)
MATH 210 - Introduction to Differential Equations and Systems (4 credits)
PHYS 211 - Classical Physics I (4 credits)
PHYS 212 - Classical Physics II (4 credits)
GEOL 163 - Applied Geology (4 credits)
CHEM 109 - General Chemistry for Engineers (4 credits)
STAT 220 - Statistics I (4 credits)

German Requirements: 44 German Credits

GERM 111 - Elementary German I (4 credits)
GERM 112 - Elementary German II (4 credits)
GERM 211 - Intermediate German I (4 credits)
GERM 212 - Intermediate German II (4 credits)
GERM 300 - Introduction to German Studies (4 credits)
GERM 3XX or 4XX - (24 credits)

University of St. Thomas Core Curriculum: 45 Core Curriculum Credits

FYEX Foundation for College Success (1 credit)
Language and Culture (0-8 credits)
Literature and Writing (4 credits)
Philosophy and Theology (12 credits)
Social Analysis (4 credits)
Fine Arts (4 credits)
Integrations in the Humanities (8 credits)
Some of these courses must satisfy the flagged requirements; check your degree evaluation