

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		GEOL 163 Applied Geology	
	ENGR 160 Surveying		PHYS 211 Classical Physics I	
	MATH 113 Calculus I		MATH 114 Calculus II	
	GERM 111 Elementary German I		GERM 112 Elementary German II	
	CORE requirement			
	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		CISC 130 Introduction to Programming & Problem Solving in the Sciences	
	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	
	ENGR 368 Fluid Mechanics for Civil Engineering (Lab)		CHEM 109 General Chemistry for Engineers (Lab)	
	GERM 300 Introduction to German Studies		GERM (1) 3XX or 4XX	
	January-term		Summer	
	CORE requirement		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	
	Allied European or STEM History			
	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 466 Transportation Engineering	
	GERM (5) 3XX or 4XX		GERM (6) 3XX or 4XX	
	January-term		Summer	
CORE requirement				

* arrow indicates that the two courses can be interchanged

* this illustrates just one example of how all courses could be taken within a 5-year plan

Complete Course Listing:**Engineering Courses:**

ENGR 100 - Introduction to Engineering Design (2 credits)
ENGR 160 - Surveying (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)
57 Engineering Credits

Allied Requirements:

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)
CISC 130 - Introduction to Programming and Problem Solving in the Sciences (4 credits)
GEOL 163 - Applied Geology (4 credits)
CHEM 109 - General Chemistry for Engineers (4 credits)
STAT 220 - Statistics I (4 credits)
36 Allied Requirement Credits

German Requirements:

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)
Plus, Allied European History Requirement (4 credits, See Core Curriculum Below)
44 German Credits

University of St. Thomas Core Curriculum:

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)
Historical Studies (4 credits) - *Allied European History*
Integrations in the Humanities (8 credits)
Some of these courses must satisfy the flagged requirements; check your degree evaluation
45 Core Curriculum Credits