

Plan of Study

Year 1	Fall		Spring	
	FYEX Foundation for College Success			
	ENGR 100 (FYE) Introduction to Engineering Design		CISC 130 Introduction to Programming & Problem Solving in the Sciences	
	ENGR 175 Introduction to Electrical & Computer Engineering		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		CORE requirement	
	January-term		Summer	
CORE requirement		PHYS 212 Classical Physics II		
Year 2	Fall		Spring	
	ENGR 230 Digital Design (Lab)		ENGR 240 Circuit Analysis (Lab)	
	ENGR 330 Microprocessor Architectures (lab)		ENGR 331 Designing with Microprocessors (Lab)	
	CISC 230 Object-Oriented Design & Programming		MATH 210 Introduction to Differential Equations & Systems	
	GERM 211 Intermediate German I		GERM 212 Intermediate German II	
	January-term		Summer	
CORE requirement		CORE requirement		
Year 3	Fall		Spring	
	ENGR 345 Electronics I (Lab)		ENGR 432 Current Trends in Computing Systems	
	ENGR 431 Design of Embedded Systems (Lab)		CISC 231 Data Structures using Object-Oriented Design (Lab)	
	MATH 128 Introduction to Discrete Mathematics		GERM (1) 3XX or 4XX	
	GERM 300 Introduction to German Studies		CORE requirement	
	January-term		Summer	
CORE requirement				
Year 4	Fall - In Germany		Spring - In Germany	
	GERM (2) 3XX or 4XX		ENGR XXX Internship Engineering Elective 1	
	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	
	MATH/SCI XXX Elective 1		MATH/SCI XXX Elective 2	
	CORE requirement		ENGR/CISC XXX Elective 2	
	GERM (5) 3XX or 4XX		GERM (6) 3XX or 4XX	
	January-term		Summer	

* 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 (2 credits)
ENGR 175 - Introduction to Electrical & Computer Engineering (2 credits)
ENGR 230 - Digital Design (4 credits)
ENGR 240 - Circuit Analysis (4 credits)
ENGR 330 - Microprocessor Architectures (4 credits)
ENGR 331 - Designing with Microprocessors (4 credits)
ENGR 345 - Electronics I (4 credits)
ENGR 431 - Design of Embedded Systems (4 credits)
ENGR 432 - Current Trends in Computing Systems (4 credits)
ENGR 480 - Engineering Design Clinic I (4 credits)
ENGR 481 - Engineering Design Clinic II (4 credits)
40 Engineering Credits

Allied & Elective Requirements:

MATH 113 - Calculus I (4 credits)
MATH 114 - Calculus II (4 credits)
MATH 128 - Introduction to Discrete Mathematics (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 Science (4 credits)
CISC 230 - Object-Oriented Design & Programming (4 credits)
CISC 231 - Data Structures using Object-Oriented Design (4 credits)
ENGR/CISC XXX - Elective (8 credits)
MATH/SCI XXX - Elective (8 credits)
52 Allied & Elective 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)
44 German Credits - One Academic Year in Germany

BSCP

University of St. Thomas Core Curriculum:

FYEX Foundation for College Success (1 credit)
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
37 Core Curriculum Credits