

B.S. in Civil Engineering and B.A. in German – Plan of Study

	Fall	Spring	Summer/ J-Term
Year 1	ENGR 160 Surveying (LAB)		
	MATH 113 Calculus I	MATH 114 Calculus II	THEO 101 The Christian Theological Tradition
	ENGR 171 Engineering Graphics and Design	CISC 130 Introduction to Programming and Problem Solving in the Sciences (LAB)	HIST 1XX
	ENGL 121 Critical Thinking: Literature & Writing	PHYS 211 Classical Physics I	
	GERM 111*	GERM 112*	
Year 2	ENGR 220 Statics (LAB)	ENGR 221 Mechanics of Materials (LAB)	ENGL 20X Texts in Conversation
	MATH 210 Introduction to Differential Equations and Systems	GEOL 163 Applied Geology (LAB)	
	PHYS 212 Classical Physics II	CHEM 109 General Chemistry for Engineers (LAB)	PHIL 115 Philosophy of the Human Person (Sum)
	GERM 211*	GERM 212	
Year 3	ENGR 362 Construction and Engineering Economic Analysis (LAB)	ENGR 363 Civil Engineering Materials (LAB)	Social Science
	ENGR 364 Structural Analysis	ENGR 365 Design of Steel and Concrete Structures	THEO 2XX or 3XX**
	GERM 300	GERM (1) 3xx or GERM 4xx	
	ENGR 368 Fluid Mechanics for Civil Engineers	STAT 220 Statistics I	
Year 4	Fine Arts Elective**		
	HIST (European)***	Internship (ENGR XXX Engineering Elective)	Year 4 in Germany
	GERM (2) 3xx or 4xx		
	GERM (3) 3xx or 4xx	GERM (4) 477 or 478 Experiential Learning	
Year 5	ENGR 480 Engineering Design Clinic I	ENGR 481 Engineering Design Clinic II	PHIL 214 Introductory Ethics
	ENGR 466 Transportation Engineering	ENGR 467 Environmental Engineering/Hydraulics/Hydrology	THEO 4XX
	ENGR 463 Soil Mechanics and Foundations (LAB)	ENGR 322 Dynamics (LAB)	
	GERM (5) 3xx or 4xx	GERM (6) 3xx or 4xx	

* May place out of one or more semesters if proficient at 3rd Level

** May satisfy human diversity requirement

*** Allied with German – may be satisfied by another course; program director approval necessary

B.S. in Civil Engineering and B.A. in German – Plan of Study

Complete Course Listing:

Engineering Courses

ENGR 160 Surveying (1 credit)
ENGR 171 Engineering Graphics and Design (4 credits)
ENGR 220 Statics (4 credits)
ENGR 221 Mechanics of Materials (4 credits)
ENGR 322 Dynamics (4 credits)
ENGR 362 Construction and Engineering Economic Analysis (4 credits)
ENGR 363 Civil Engineering Materials (4 credits)
ENGR 364 Structural Analysis (4 credits)
ENGR 365 Design of Steel and Concrete Structures (4 credits)
ENGR 368 Fluid Mechanics for Civil Engineering (4 credits)
ENGR 463 Soil Mechanics and Foundations (4 credits)
ENGR 466 Transportation Engineering (4 credits)
ENGR 467 Environmental Engineering, Hydrology and Hydraulics (4 credits)
ENGR 480 Engineering Design Clinic I (4 credits)
ENGR 481 Engineering Design Clinic II (4 credits)

57 Engineering Credits

Allied Requirements

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

36 Allied Requirement Credits

German Courses:

GERM 111 – Beginning German 1 (WTL) (4 credits)
GERM 112 – Beginning German 2 (WTL) (4 credits)
GERM 211 – Intermediate German 1 (WTL) (4 credits)
GERM 212 – Intermediate German 2 (WTL) (4 credits)
GERM 300 – Introduction to German Studies (WID) (4 credits)
GERM 311 – Conversation and Composition (may be WI) (4 credits)
GERM 315 – Influential Ideas in Non-Fictional German (4 credits)
GERM 320 – Contemporary Germany and Current Events (4 credits)
GERM 341 – Highlights of German Literature I (may be WI) (4 credits)
GERM 342 – Highlights of German Literature II (may be WI) (4 credits)
GERM 345 – Austria: The Golden Age (4 credits)
GERM 350 – Genre Studies in German Literature (may be taken multiple times) (4 credits)
GERM 401 – German Poetry (4 credits)
GERM 410 – German Opera (4 credits)
GERM 440 – Introduction to Business German and German Business (4 credits)
GERM 475, 476 – Experiential Learning (2 credits)
GERM 477, 478 – Experiential Learning (4 credits)
GERM 483, 484 – Seminar (2 credits)
GERM 485, 486 – Seminar (4 credits)
GERM 487, 488 – Topics (2 credits)
GERM 489, 490 – Topics (4 credits)
GERM 269, 389, 491 – Research (2 or 4 credits)
GERM 243, 393, 495 – Individual Study (2 or 4 credits)

32 GERMAN credits

Allied Requirements:

HIST – European History

4 allied requirements credits

Core Curriculum

Two courses in English (8 credits)

Three courses in Theology** (12 credits)

Two courses in Philosophy (8 credits)

One Fine Arts course** (4 credits)

Social Science Course (4 credits)

**One of these courses must satisfy the human diversity requirement

36 core curriculum credits

Total Credit Count: 165 credits