

B.S. in Electrical Engineering and B.A. in German- Plan of Study

	Fall	Spring	Summer/J-Term
Year 1	ENGR 150 Intro to Engineering I ↔		
	MATH 113 Calculus I	MATH 114 Calculus II	THEO 101 <i>Christian Theological Tradition</i>
	ENGL 121 Critical Thinking: Literature and Writing	PHYS 111 Intro to Classical Physics I	HIST 1XX
	CISC130 Intro to Programming and Problem Solving in Science ↔	ENGR 230 Digital Design	
	GERM 111*	GERM 112*	
Year 2	PHIL 115 <i>Philosophy of the Human Person</i>	ENGR 240 Circuit Analysis	PHIL 214 <i>Intro to Ethics</i>
	MATH 200 <i>Multi-Variable Calculus</i> ↔	MATH 210 <i>Linear Algebra & Differential Equations</i>	ENGL 20X
	GERM 211*	GERM 212	
	PHYS 112 <i>Introduction to Classical Physics II</i>	PHYS 225*** – Modern Physics I	
Year 3	GERM 300	GERM 3xx or 4xx	
	ENGR XXX Elective **** ↔	ENGR 331 Applications of Microprocessors	<i>Social Sciences Elective**</i>
	ENGR 340*** Signals and Systems	ENGR 410 Control Systems	THEO 2XX/3XX
	ENGR 345*** Electronics 1	ENGR 346*** Electronics 2	
Year 4	GERM 3xx or 4xx	Internship (ENGR XXX) Engineering Elective)	
	GERM 3xx or 4xx	GERM 3xx or 4xx (Experiential Learning)	Year 4 in Germany
	<i>Fine Arts Elective**</i>		
	HIST European History****		
Year 5	GERM 3xx or 4xx	GERM 3xx or 4xx	THEO 4XX
	ENGR 480 Engineering Design Clinic	ENGR 481 <i>Engineering Design Clinic II</i>	
	ENGR XXX Elective ****	ENGR XXX**** Elective	
	PHYS 341*** <i>Electricity and Magnetism</i>	ENGR 342*** Electromagnetic Fields and Waves	

*May place out of one or more semesters if proficient

**May satisfy human diversity requirement

*** Courses only offered in the semester indicated

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

↔ Denotes that the two courses can be interchange

B.S. in Electrical Engineering and B.A. in German- Plan of Study

Engineering Courses:

ENGR 150 – Introduction to Engineering (1 credit)
ENGR 230 – Digital Design (4 credits)
ENGR 240 – Circuit Analysis (4 credits)
ENGR 331 – Applications of Microprocessors (4 credits)
ENGR 340 – Signals and Systems (4 credits)
ENGR 345 – Electronics I (4 credits)
ENGR 346 – Electronics II (4 credits)
ENGR 342 – Electromagnetic Fields and Waves (4 credits)
ENGR 410 – Control Systems and Automation (4 credits)
ENGR 480 – Engineering Design Clinic I (4 credits)
ENGR 481 – Engineering Design Clinic II (4 credits)
Four courses of Engineering Electives

57 Engineering Credits

Allied Requirements:

MATH 113 – Calculus I (4 credits)
MATH 114 – Calculus II (4 credits)
MATH 200 – Multi-Variable Calculus (4 credits)
MATH 210 – Introduction to Differential Equations & Systems (4 credits)
PHYS 111 – Classical Physics I (4 credits)
PHYS 112 – Classical Physics II (4 credits)
PHYS 225 – Modern Physics (4 credits)
PHYS 341 – Electricity and Magnetism (4 credits)
CISC 130 – Introduction to Programming and Problem Solving in the Sciences (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 for German:

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