

Updated 8/8/2017

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Electrical Engineering & Lab EE 111 (1) & EE 151 (1)	Basic Electronics Manufacturing IME 156 (2)	Electric Circuit Analysis I EE 112 (2) <sup>1</sup> (MATH 142; Recom: EE 111/151)	Electric Circuit Analysis II & Lab EE 211 (3) & EE 241 (1) (EE 112, 151, PHYS 133; MATH 244)	Electric Circuit Analysis III & Lab EE 212 (3) & EE 242 (1) (MATH 244, EE 211, 241)	Energy Conversion Electromagnetics & Lab EE 255 (3) & EE 295 (1) (EE 212 & 242 or EE 201 & 251)	Semiconductor Device Electronics & Lab EE 306 (3) & EE 346 (1) (CHEM 124, EE 212 & 242, IME 156 or 157 or 458, PHYS 211)	Digital Electronics & Integrated Circuits & Lab EE 307 (3) & EE 347 (1) (CPE/EE 133, EE 306 & 346, CPE/EE 2331)	Analog Electronics & Integrated Circuits & Lab EE 308 (3) & EE 348 (1) (EE 302 & 342, EE 307 & 347)	Electronic Design & Lab EE 409 (3) & EE 449 (1) (EE 308 & 348; CPE/EE 328 & 368; CPE/EE 329 or 336)	Technical Elective (4) <sup>3</sup> ***	Technical Elective (4) <sup>3</sup> ***
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) (MATH 141 w/min C-) [B1]	Calculus III MATH 143 (4) (MATH 142 w/min C-) [Add'l Area B]	Digital Design CPE/EE 133 (4) <sup>1</sup> (EE 111 & 151, CPE/CSC 101)	Computer Design & Assembly Language Programming CPE/EE 233 (4) (CPE/EE 133)	Continuous-Time Signals & Systems EE 228 (4) (BMED 355; or EE 212, 242; Recom: MATH 241)	Discrete Time Signals & Systems & Lab EE 328 (3) & EE 368 (1) (BMED 355 or EE 228)	Classical Control Systems & Lab EE 302 (3) & EE 342 (1) (EE 228; Recom: EE 368)	Choose one: Programmable Logic & Micro-processor-Based Sys. Design EE 329 (4)* OR Microprocessor System Design EE 336 (4)*	Senior Project Preparation EE 460 (2) <sup>2</sup> (EE 314, 335, EE 4091 & 4491)	Choose One Series <sup>2</sup> : Senior Project I & II EE 461 (2) (EE 409, 449, 460) OR EE 462 (2) (EE 461) OR Senior Project II & Design Lab I EE 463 (2) (EE 409, 449, 460) OR EE 464 (2) (EE 409, 449, 460)	
General Chemistry for Physical Science & Engineering I CHEM 124 (4) * [B3/B4]	General Physics IA PHYS 141 (4) (MATH 141 w/min C-, MATH 1421 or 1821) [Add'l Area B]	General Physics III PHYS 133 (4) (PHYS 131, HNRS 131, or PHYS 141; MATH 142; Recom: MATH 241)	General Physics II PHYS 132 (4) (PHYS 131, HNRS 131, or PHYS 141)	Take concurrently: Life Science for Engineer BIO 213 (2) & Bioengineering Fundamentals BMED 213 (2) [B2]	Modern Physics I PHYS 211 (4) (PHYS 132, 133, MATH 241; Recom: MATH 242 or 244)	Probability and Random Processes for Engineers STAT 350 (4) [B6]	Introduction to Communication Systems EE 314 (3) (STAT 350)	Electromagnetic Fields & Transmission & Lab EE 335 (4) & EE 375 (1) (EE 201 and 251; or EE 212 and 242; and MATH 241)	Technical Elective (4) <sup>3</sup> ***	Approved Engineering Support Electives (3) <sup>3</sup> ***	Approved Engineering Support Electives (3) <sup>3</sup> ***
	GE (4) **		Linear Analysis I MATH 244 (4) (MATH 143)	Calculus IV MATH 241 (4) (MATH 143)	GE (4) **	GE (4) **	GE (4) **	GE (4) **	Electromagnetic Waves EE 402 (4) (EE 335)	GE (4) **	GE (4) **
Expository Writing ENGL 133 or 134 (4)** [A1] Can be taken anytime during Freshman Year	Oral Communication COMS 101 or 102 (4)** [A2] Can be taken anytime during Freshman Year	Technical Writing for Engineers ENGL 149 (4) [A3] (Completion of GE A1 with a C- or better; Recommended: Completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years				Graduation Writing Requirement (Students can attempt to fulfill the requirement after 6 earned units; students should complete the requirement before senior year)	GWR*	Approved Engineering Support Electives (3) <sup>3</sup> ***			
14	18	18	16	16	16	16	15	17	17	13	16
										TOTAL: 192	

**FALL:**  
CEA Madrid, Spain  
CEA Paris, France

**SPRING:**  
Munich, Germany  
Karlsruhe, Germany

**FALL:**  
Lucerne, Switzerland

Other summer affiliated programs

**SUMMER:**  
Munich, Germany

- FALL 2<sup>nd</sup> Yr:** CEA Madrid, Spain: PHYS 133, MATH 244; GE C1 or C2
- CEA Paris, France:** MATH 241, GE C1 or C2, C4, ME 211 (Support Elective)
- SPRING 3<sup>rd</sup> Yr:** Munich, Germany: EE 308/348, EE 329, Tech electives
- Karlsruhe, Germany:** EE Tech Electives, GE C1 or C2
- SUMMER 3<sup>rd</sup> Yr:** Munich, Germany: Non-EE Tech Elective; GE C1 or C2
- FALL 4<sup>th</sup> Yr:** Lucerne, Switzerland: EE 460, EE 461, EE 462, Tech Electives (3), GE C1 or C2

\*see an advisor for other possible course options