

Plan of Study for Bachelor of Science in Electrical Engineering and Bachelor of Arts in Computer and Information Sciences

	Fall	Spring	Summer/J-Term
Year 1	ENGR 150 <i>Intro to Engineering I</i>		
	MATH 113 <i>Calculus I</i>	MATH 114 <i>Calculus II</i>	
	THEO 101 <i>Christian Theological Tradition</i>	PHYS 111 <i>Intro to Classical Physics I</i>	<i>Social Sciences Elective**</i>
	ENGL 111 <i>Critical Reading & Writing I (or ENGL 190)</i>	ENGL 112 <i>Critical Reading & Writing II</i>	
	CISC 130 <i>Intro to Programming and Problem Solving in the Sciences</i>	CISC 230 <i>Object-Oriented Design and Programming</i>	
Year 2	ENGR 230 <i>Digital Design</i>	ENGR 240 <i>Circuit Analysis</i>	
	MATH 200 <i>Multi-Variable Calculus</i>	MATH 210 <i>Linear Algebra & Differential Equations</i>	COMM 100/105 <i>Public Speaking or Comm. in the Workplace</i>
	CISC 231 <i>Data Structures Using O-O Design</i>	PHIL 115 <i>Philosophy of the Human Person</i>	
	PHYS 112 <i>Introduction to Classical Physics II</i>	PHYS 225 – <i>Modern Physics I</i>	
Year 3	ENGR 330 <i>Microprocessors 1</i>	ENGR 331 <i>Microprocessors 2</i>	
	ENGR 340 <i>Signals and Systems</i>	CISC 320 <i>Systems Analysis and Design I</i>	<i>Fine Arts Elective**</i>
	ENGR 345 <i>Electronics 1</i>	ENGR 346 <i>Electronics 2</i>	
	IDTH 220 – <i>Statistics</i>	<i>Foreign Language *</i>	<i>(* May place out of one or more semesters by</i>
Year 4	<i>PHYS 341 Electricity and Magnetism</i>	ENGR 342 <i>Electromagnetic Fields and Waves</i>	<i>demonstrating proficiency at 3rd level)</i>
	ENGR 431 <i>Design of Embedded Systems</i>	ENGR 410 <i>Control Systems</i>	
	CISC 450 <i>Database Design I</i>	CISC xxx <i>Elective</i>	
	<i>Foreign Language *</i>	<i>Foreign Language *</i>	
Year 5	ENGR 480 <i>Engineering Design Clinic</i>	ENGR 481 <i>Engineering Design Clinic II</i>	
	THEO 2XX	THEO 3XX **	
	CISC xxx <i>Elective</i>	CISC xxx <i>elective</i>	
	PHIL 214 <i>Intro to Ethics</i>	<i>History Requirement (111,112,113,114)</i>	<i>(** May satisfy Human Diversity requirement)</i>

Notes: (1) ENGR 230 is substituted for MATH 128 in the CISC curriculum
(2) ENGR 230, 330, 331, and 431 are substituted for CISC 340 in the CISC Computer Science Concentration curriculum.