

**2009-2010 Catalog Suggested Course Sequence: A Four-Year Plan for the Completion of a
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING DEGREE—For Students Who Are Freshmen in 2008-9 or 9-10**

At least 130 total and 64-68 upper-division credits are required for the BS in Electrical Engineering major.

*This course sequence is meant to be used as a **guideline**.*

Consult with your faculty advisor or academic counselor about modifying this plan to meet your needs, and to reflect any coursework you have already completed prior to enrolling at SPU.

		Autumn	Winter	Spring	Any Quarter (Check the online Time Schedule for course offerings, and be aware of courses that have prerequisites)
Y E A R 1	Common Curriculum	USEM 1000 (5): University Seminar	UCOR 1000 (5): Arts & the Christian Community OR UFDN 1000 (5): Christian Formation	UCOR 1000 (5): Arts & the Christian Community OR UFDN 1000 (5): Christian Formation	
	Major	<ul style="list-style-type: none"> ▪ EGR 1402 (1): Intro to Engineering ▪ EE 1210 (5): Intro to Logic System Design ▪ MAT 1234 (5): Calculus I (also fulfills Mathematics in EC) 	<ul style="list-style-type: none"> ▪ CSC 1230 (5): Problem Solving and Programming ▪ MAT 1235 (5): Calculus II (also fulfills Mathematics in EC) ▪ EGR 1125 (1): Study Prep (if required) 	<ul style="list-style-type: none"> ▪ CSC 2430 (5): Data Structures ▪ MAT 1236 (5): Calculus III ▪ EGR 1125 (1): Study Prep (if required) 	
	Competencies/ Exploratory Curriculum (EC)				<ul style="list-style-type: none"> ▪ MAT 0121, 0122, 0123, 0124, 0125 (1 credit each): Arithmetic Review (if needed, as dictated by placement test); ▪ ENG 2201 (3): Intermediate College Writing (if needed, as dictated by placement test) ▪ Foreign Language (if needed)
	Other	Schedule an appointment with an engineering professor to review your planned schedule.			Alternative scheduling options are available. Consult with an engineering professor for more information.
Y E A R 2	Common Curriculum				<ul style="list-style-type: none"> ▪ UCOR 2000 (5): The West and the World; ▪ UFDN 2000/3001 (5): Christian Scriptures (UFDN 3001 is for those who transfer to SPU with junior or senior class standing upon admission.)
	Major	<ul style="list-style-type: none"> ▪ EE 2726 (4): Electric Circuits ▪ PHY 1121 (5): Physics for Science & Engineering (also fulfills Natural Science B in EC) ▪ MAT 2401 (3): Linear Algebra 	<ul style="list-style-type: none"> ▪ EE 2727 (4): Electric Circuits ▪ MAT 3237 (3): Differential Equations ▪ PHY 1122 (5): Physics for Science & Engineering (also fulfills Natural Science B in EC) 	<ul style="list-style-type: none"> ▪ EE 3028 (4): Electric Circuits ▪ MAT 3238 (3): Vector Calculus ▪ PHY 1123 (5): Physics for Science & Engineering (also fulfills Natural Science B in EC) 	
	Competencies/ Exploratory Curriculum (EC)				<ul style="list-style-type: none"> • Complete eight credits of exploratory curriculum. • Foreign Language (if needed)
	Other	Apply for admission to the major. A 2.5 GPA is required.			
Y E A R 3	Common Curriculum				UCOR 3000 (5): Belief, Morality, & Modern Mind OR UFDN 3100 (5): Christian Theology
	Major	<ul style="list-style-type: none"> ▪ EE 3550 (5): Communication System Analysis ▪ EE 3721 (5): Electronics ▪ EE 3000 (1): Engineering Seminar 	<ul style="list-style-type: none"> ▪ EE 3722 (5): Electronics ▪ EE 3760 (5): Computer Organization ▪ EE 3410 (5): Signal & System Analysis 	<ul style="list-style-type: none"> ▪ EE 3280 (5): Microcontroller System Design ▪ EE 3730 (5): Electronic Design (also a "W" course) ▪ EGR 2200 (2): Engineering Probability and Stats 	<ul style="list-style-type: none"> ▪ Begin working toward 12 credits in technical electives (Consult with your faculty advisor for appropriate course selection to meet this requirement.)
	Competencies/ Exploratory Curriculum (EC)				Complete at least ten credits of GE/EC or Technical electives.
	Other		Apply to graduate once 105 credits and admission to major have been earned.	Create a final-year plan and meet with your faculty advisor for review.	
Y E A R 4	Common Curriculum				UCOR 3000 (5): Belief, Morality, & Modern Mind OR UFDN 3100 (5): Christian Theology (whichever remains unfulfilled)
	Major	<ul style="list-style-type: none"> ▪ EE 4211 (3): Microprocessor System Design ▪ PHYS 3315 (3): Electromagnetics I ▪ EGR 4940 (1): Engineering Internship (also a "W" course) 	<ul style="list-style-type: none"> ▪ EE 4212 (3): Microprocessor System Design 	<ul style="list-style-type: none"> ▪ EE 4899 (3): Microprocessor System Design (also a "W" course) 	Complete 12 credits in technical electives (Consult with your faculty advisor for appropriate course selection to meet this requirement.)
	Competencies/ Exploratory Curriculum (EC)				Complete remaining common/exploratory curriculum requirements (~17 credits).
	Other	<ul style="list-style-type: none"> ▪ EGR 4910: FE Prep (recommended). 			