

SPU Electrical Engineering Major Requirements Checklist (2007-2008 Catalog)

For students entering the EE major in 2007-2008.

Name: _____ Expected Graduation Date: _____

ID Number: _____ Advisor signature/Date: _____

Mathematics

Number	Course Name	Credits	Transfer #	Qtr/Year	Grade	Advisor Check
MAT 1225	Calculus I	5				
MAT 1226	Calculus II	5				
MAT 1228	Series and Differential Equations	5				
MAT 2228	Multivariable Calculus	3				
MAT 2401	Linear Algebra	3				

Science

Number	Course Name	Credits	Transfer #	Qtr/Year	Grade	Advisor Check
CHM 1100	Intro to Chemistry ²	5				
PHY 1121	Physics for Science and Engineering I	5				
PHY 1122	Physics for Science and Engineering II	5				
PHY 1123	Physics for Science and Engineering III	5				
BIO	2000-level or higher (lab-based)	5				

² CHM 1100 is waived for students who took chemistry in high school. A copy of your high school transcript is required.

Engineering Science

Number	Course Name	Credits	Transfer #	Qtr/Year	Grade	Advisor Check
CSC 1230	Problem Solving and Programming	5				
CSC 2430	Data Structures and Programming	5				
EGR 1125	Engineering Study Prep (if required)	0 - 2				
EGR 1402	Intro to Engineering I or II (EGR 3402 or 3402 required if EE 2726 not taken at SPU)	1-2				
EGR 2200	Engineering Probability and Stats	2				
EGR 4940	Engineering Internship	1				

Electrical Engineering

Number	Course Name	Credits	Transfer #	Qtr/Year	Grade	Advisor Check
EE 1210	Logic System Design	5				
EE 2726	Electric Circuits I	4				
EE 2727	Electric Circuits II	4				
EE 3000	Engineering Seminar	1				
EE 3028	Electric Circuits III	4				
EE 3280	Microcontroller System Design	5				
EE 3410	Signal and System Analysis	5				
EE 3550	Communications System Analysis	5				
EE 3721	Electronics I	5				
EE 3722	Electronics II	5				
EE 3730	Engineering Design	5				
EE 3760	Computer Org. and Assembly Lang.	5				
EE 4211	Senior Design I	3				
EE 4212	Senior Design II	3				
EE 4899	Senior Design III / EE Capstone	3				
EE 4310	Electromagnetics	5				
EE 4450	Control System Design	5				

Technical Electives

A list of approved choices is listed in the SPU catalog. **17 credits of technical electives are required.**

Number	Course Name	Credits	Transfer #	Qtr/Year	Grade	Advisor Check