

# SPU Computer Engineering Major Requirements Checklist (2009-2010 Catalog)

For students entering the Computer Engineering major in 2009-2010.

Name: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

ID Number: \_\_\_\_\_

Advisor signature/Date: \_\_\_\_\_

## 1. Mathematics Requirements

Number	Course Name	Credits	Transfer #	Advisor Check
MAT 1234	Calculus I	5		
MAT 1235	Calculus II	5		
MAT 1236	Calculus III	5		
MAT 2401	Linear Algebra	3		
MAT 3237	Differential Equations	3		

## 2. Science Requirements

Number	Course Name	Credits	Transfer #	Advisor Check
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		
CHM 1211	General Chemistry	5		

## 3. Computer Science Requirements

Number	Course Name	Credits	Transfer #	Advisor Check
CSC 1230	Problem Solving and Programming	5		
CSC 2430	Data Structures I	5		
CSC 2431	Data Structures II	5		
CSC 3150	Systems Design	5		

## 4. Engineering Requirements

Number	Course Name	Credits	Transfer #	Advisor Check
EGR 1402	Introduction to Engineering (1)	1		
EGR 3402	Or Into to Engineering II (2)			
EGR 2200	Probability and Statistics for Engineers	2		
EGR 3000	Engineering Seminar and Intern Prep	1		
EGR 3810	General Engineering Design	5		
EGR 4811	Engineering Senior Design I	3		
EGR 4812	Engineering Senior Design II	3		
EGR 4899	Engineering Senior Design III/Capstone	3		
EGR 4940	Engineering Internship	1		

## 5. Computer Engineering Requirements

Number	Course Name	Credits	Transfer #	Advisor Check
CPE 3280	Microcontroller System Design	5		
CPE 3350	Operating Systems Programming	3		
CPE 3550	Communications Systems Analysis	5		
CPE 3760	Computer Org & Assem. Language	5		

## 6. Electrical Engineering Requirements

Number	Course Name	Credits	Transfer #	Advisor Check
EE 1210	Intro to Logic System Design	5		
EE 2726	Electric Circuits I	4		
EE 2727	Electric Circuits II	4		
EE 3721	Electronics I	5		

## 7. Technical Electives

13 credits including a minimum of 8 credits of CPE classes- A list of approved choices is listed in the catalog.

Number	Course Name	Credits	Transfer #	Advisor Check