B.S. Electrical Engineering
Computer Engineering Track

SEMESTER CURRICULUM

YEAR ONE – FALL SEMESTER		YEAR ONE – SPRING SEMESTER	
EE 1014 Intro to Electrical Engin. (F,S)	4	EE 1024 Intro to Computer Engin. (F,S)	4
MATH 2301 Calculus I (F,S)	4	MATH 2302 Calculus II (F,S)	4
CS 2400 Intro to Computer Science I (F,S)	4	CS-2401 Intro to Computer Science II (F,S)	4
Tier 2CP	2	ET 1500 Career Orientation	0.5
Tier 2SS	2	Tier 1E First Year Composition	3
total credit hours	16	total credit hours	15.5

YEAR TWO – FALL SEMESTER		YEAR TWO – SPRING SEMESTER	
EE 2213 Instrumentation Laboratory (F,S)	3	PHYS 2051 General Physics I (F,S)	5
EE 2104 Electric Circuits I (F,S)	4	EE 2114 Electric Circuits II (F,S)	4
EE 2324 Analytical Foundations of EE (F,S)	4	CS 3610 Data Structures (F,S)	4
CS 3000 Intro to Discrete Structures (F,S)	4	Science Elective (with Lab)	4
CHEM 1510 Fundam. of Chemistry I (F,S)	4	total credit hours	17
total credit hours	19		

YEAR THREE – FALL SEMESTER		YEAR THREE – SPRING SEMESTER	
EE 3613 Computer Organization (F,S)	3	EE 3954 Microcontrollers (F,S)	4
CS 3560 Software Engineering Tools (F,S)	3	EE 3753 Computer Networks (S)	3
EE 3343 Electronics I (F,S)	3	EE 3513 Digital Signal Processing (F,S)	3
EE 3713 Applied Prob & Stat. for EE (F,S)	3	EE 3214 Emag and Materials I (F,S)	4
Tier 1J Junior Composition	3	Tier 2FA	2
total credit hours	15	total credit hours	16

YEAR FOUR – FALL SEMESTER		YEAR FOUR – SPRING SEMESTER	
EE 4953 EE&CpE CapStone Design I (F)	3	EE 4963 EE&CpE CapStone Design II(S)	3
EE 4673 Embedded Systems (F)	3	EE 4683 Computer Architecture (S)	3
Tier 2HL	2	CS 4420 Operating Systems (F,S)	3
Senior Elective #1	3	Senior Elective #2	3
Tech Elective #1	3	Tech Elective #2	2.5
total credit hours	14	total credit hours	14.5