

B.S. Electrical Engineering

PROPOSED 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
Programming I (CS2400/ET2100/CS2300) 4	CHEM 1510 (PNS)(CHEM 1510)(F,S) 4
Intercultural Explorations (FIE)(prior-2CP) 2	ET 1500 Career Orientation 0.5
ET 1000 Hist. of E&T in Society (ACNW) <u>3</u>	ENG 1510 Writing & Rhetoric I (FWC) <u>3</u>
/HIST 2905 total credit hours 17	total credit hours 15.5
*If not done so yet, please take the Chemistry Placement Test.	
YEAR TWO – FALL SEMESTER	YEAR TWO – SPRING SEMESTER
EE 2213 Instrumentation Laboratory (F,S) 3	EE 2114 Electric Circuits II (F,S) 4
EE 2104 Electric Circuits I (F,S) 4	PHYS 2051/2054+2055 General 4
EE 2324 Analytical Foundations of EE (F,S) 4	Physics I (F,S) MATH 3300 4
Programming-II (CS2400/ET2100/CS2300/CS2401) 4	Calculus-III (F,S) 4
Humanities (PHTC)(prior-2HL)(3cr) <u>3</u>	EE 3954 Microcontrollers (F,S) <u>4</u>
total credit hours 18	total credit hours 16
YEAR THREE – FALL SEMESTER	YEAR THREE – SPRING SEMESTER
EE 3334 Linear Signals & Systems (F) 4	PHYS 2053/CHEM 1520 Contemp. Physics (ANW) <u>3</u>
EE 3214 Emag and Materials I (F,S) 4	EE 3513 Digital Signal Processing (F,S) 3
EE 3713 Applied Prob. & Stat. for EE (F,S) 3	EE 3343 Electronics I (F,S) 3
Engineering Elective II 2	EE 3223 Emag and Materials II (S) 3
CS 2653 Prof/Ethical Computing (BER/BDP) <u>3</u>	Advanced Writing (FWA)(ET 3800J)(F,S) <u>3</u>
total credit hours 16	total credit hours 15
YEAR FOUR – FALL SEMESTER	YEAR FOUR – SPRING SEMESTER
EE 4953 EE&CpE CapStne Design-I (F) 3	EE 4963 EE&CpE CapStone Design-II(S) 3
EE 3963 Electrical Machines (F) 3	EE 3973 Electronics II (S) 3
Social/Behav Sciences(P SBS)(prior-2SS) 3	Engineering Elective I 3
Senior Elective #1 3	Senior Elective #2 3
Tech Elective #1 <u>2</u>	Humanities: Arts (PHA)(prior-2FA) <u>3</u>
total credit hours 14	total credit hours 15