

B.S. ELECTRICAL ENGINEERING**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 Elective I 4 | CHEM 1510 Fund. of Chemistry I (F,S) 4 |
| Tier 2CP 2 | ET 1500 Career Orientation 0.5 |
| Tier 2FA <u>2</u> | Tier 1E First Year Composition <u>3</u> |
| 16 | 15.5 |
| 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 General Physics I (F,S) 5 |
| EE 2324 Analytical Foundations of EE (F,S) 4 | MATH 3300 Calculus-III (F,S) 4 |
| Programming Elective II 4 | Science Elective (with Lab) <u>4</u> |
| Tier 2HL <u>2</u> | 17 |
| 17 | |
| YEAR THREE – FALL SEMESTER | YEAR THREE – SPRING SEMESTER |
| EE 3334 Linear Signals & Systems (F) 4 | EE 3954 Microcontrollers (F,S) 4 |
| 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 I 3 | EE 3223 Emag and Materials II (S) 3 |
| ET 3300 Engineering Economy (F,S) <u>2</u> | Tier 1J Junior Composition (F,S) <u>3</u> |
| 16 | 16 |
| 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 |
| Tier 2SS 2 | Engineering Elective II 3 |
| Senior Elective #1 3 | Senior Elective #2 3 |
| Tech Elective #1 <u>3</u> | Tech Elective #2 <u>2.5</u> |
| 14 | 14.5 |