

## B.S. in Electrical Engineering Plan of Study (Math 108)

|               | Fall   | Spring  | Summer/ J-Term                               |
|---------------|--|---|--|
| <b>Year 1</b> | <b>ENGR 150</b> Intro to Engineering I                     |   |  |
|               | <b>MATH 108</b> Calculus I with review                     | <b>MATH 109</b> Calculus I with review                            |  |
|               | <b>THEO 101</b> Christian Theological Tradition            | <b>CISC 130</b> Intro to Programming & Problem Solving in Science | <b>PHYS 211</b> Intro to Classical Physics I |
|               | <b>ENGL 121</b> Critical Reading & Writing I (or ENGL 190) | <b>ENGL 20X</b> Critical Reading & Writing II                     | <b>MATH 114</b> Calculus II                  |
|               | <b>PHIL 115</b> Philosophy of the Human Person             | <i>Fine Arts Elective**</i>                                       |  |
| <b>Year 2</b> | <b>ENGR 230</b> Digital Design                             | <b>ENGR 240</b> Circuit Analysis                                  | <b>PHIL 214</b> Intro to Ethics              |
|               | <b>MATH 200</b> Multi-Variable Calculus                    | <b>MATH 210</b> Linear Algebra & Differential Equations           | <b>HIST 1XX</b>                              |
|               | <b>PHYS 212</b> Intro to Classical Physics II              | <b>PHYS 225</b> Modern Physics***                                 |  |
|               | <b>THEO 2XX/3XX</b>  | <i>Foreign Language*</i>  |  |
| <b>Year 3</b> | <b>ENGR XXX Elective ****</b>                              | <b>ENGR 331 Applications of Microprocessors***</b>                | Social Sciences Elective**                   |
|               | <b>ENGR 340</b> Signals & Systems***                       | <b>ENGR 410</b> Control Systems & Automation                      |  |
|               | <b>ENGR 345</b> Electronics I***                           | <b>ENGR 346</b> Electronics II***                                 |  |
|               | Foreign Language*  | Foreign Language *  |  |
| <b>Year 4</b> | <b>PHYS 341</b> Electricity & Magnetism***                 | <b>ENGR 342</b> Electromagnetic Fields & Waves***                 |  |
|               | <b>ENGR 480</b> Eng. Design Clinic I                       | <b>ENGR 481</b> Eng. Design Clinic II                             |  |
|               | <b>ENGR XXX Elective ****</b>                              | <b>ENGR XXX Elective ****</b>                                     |  |
|               | <b>ENGR XXX Elective ****</b>                              | <b>THEO 4XX **</b>  |  |
|               |  |   |  |

\* May place out of one or more semesters if proficient at 3<sup>rd</sup> Level. Must still meet the 84 credits outside the major requirement.

\*\* May Satisfy Human Diversity requirement

\*\*\* These courses are only offered in the semester indicated.

\*\*\*\* Four Technical Electives required from 1 or more tracks