

## Sample Four-year Plan for Engineering (BS)

Note: The four-year plan is for example purposes only. Students should refer to the catalog in effect upon their entry to Viterbo for more specifics on requirements of the core curriculum, major, and degree. Some courses have certain semester rotations that may or may not be reflected below. Your advisor will assist you with actual registration planning to accommodate these rotations. For complete information, see the current undergraduate catalog.

| Fall Semester – First Year                                     |           | Spring Semester – First Year                                     |           |
|--|-----------|--|-----------|
| VUSM FVT – Franciscan Values and Traditions                    | 3         | ENGL 105/195 – CCF Written Communication                         | 4         |
| CHEM 120 – General Chemistry (CCWOT Natural Science)           | 4         | CHEM 121 – General Chemistry II                                  | 4         |
| ENGR 112 – Engineering Success                                 | 3         | ENGR 150 – Design Graphics and Programming                       | 4         |
| ENGR 130 – First-year Design (CCWOT Artistic Engagement)       | 3         | MATH 221 – Calculus II   | 4         |
| MATH 220 – Calculus I (CCF Quantitative Literacy)              | 4         |  |           |
| <b>TOTAL CREDITS</b>   | <b>17</b> | <b>TOTAL CREDITS</b>   | <b>16</b> |
| Fall Semester – Second Year                                    |           | Spring Semester – Second Year                                    |           |
| ENGR 230 – Circuits  | 4         | ENGR 250 – Statics   | 4         |
| MATH 320 – Calculus III  | 4         | ENGR 320 – Thermodynamics  | 4         |
| MATH 325 – Differential Equations and Linear Algebra           | 4         | ENGR 365 – Computational Modeling (CCF Written Communication II) | 4         |
| PHYS 260/270 – University Physics I                            | 4         | PHYS 261/271 – University Physics II                             | 4         |
| <b>TOTAL CREDITS</b>   | <b>16</b> | <b>TOTAL CREDITS</b>   | <b>16</b> |
| Fall Semester – Third Year                                     |           | Spring Semester – Third Year                                     |           |
| VUSM LDW – Living in a Diverse World                           | 3         | VUSM SJE – Social Justice and Equity                             | 3         |
| CCWOT (Recommend Theological Inquiry)                          | 3         | CCWOT (Recommend Social Sciences)                                | 3         |
| ENGR 280 – Dynamics  | 4         | ENGR 370 – Systems Engineering                                   | 4         |
| ENGR 350 – Materials   | 4         | ENGR 380 – Fluid Mechanics                                       | 4         |
| MGMT 203 – Professional Communication (CCF Oral Communication) | 2         | MGMT 305 – Project Management                                    | 3         |
| <b>TOTAL CREDITS</b>   | <b>16</b> | <b>TOTAL CREDITS</b>   | <b>17</b> |
| Fall Semester – Fourth Year                                    |           | Spring Semester – Fourth Year                                    |           |
| VUSM TEL – The Ethical Life                                    | 3         | CCWOT (Recommend Integrating Faith and Practice)                 | 3         |
| CCWOT (Recommend Literary Analysis)                            | 3         | CCWOT (Recommend Historical Analysis)                            | 3         |
| CCWOT (Recommend Philosophical Inquiry)                        | 3         | ENGR 489 – Internship  | 3         |
| ENGR 498 – Design Capstone 1                                   | 3         | ENGR 499 – Design Capstone 2                                     | 3         |
| <b>TOTAL CREDITS</b>   | <b>12</b> | <b>TOTAL CREDITS</b>   | <b>12</b> |