

| Course Number |                   | Course Title                                     | Prerequisites<br>Courses designated with a * must be completed with a "C" or better | Co-requisites |
|---------------|-------------------|--|---|---------------|
| EL            | 1301              | Eng. Innovation & Leadership                     | MATH 1309 (Can be taken concurrently)   | None          |
| EL            | 1402              | Fundamentals of Leadership, Design and Graphics  | EL 1301 (Can be taken concurrently)   | MATH 1411     |
| EL            | 2301              | Modeling and Simulation                          | EL 1402* and MATH 1411* and CS 1320* (or CS 1301 for CS EMPH)                       | None          |
| EL            | 3003              | Professional Practice I                          | Departmental Approval   | None          |
| EL            | 3005              | Professional Practice II                         | EL 3003 & Departmental Approval   | None          |
| EL            | 3302              | Engineering Measurements                         | EL 2301* and MATH 1312*   | None          |
| EL            | 3331              | Engineering Design: People to Products           | EL 3302* and PHYS 2421*   | None          |
| EL            | 3332              | Engineering Entrepreneurship: Products to People | EL 3331*  | None          |
| EL            | 3373 <sup>a</sup> | Engineering Probability Stat. Models             | MATH 2313* OR MATH 2326*  | None          |
| EL            | 4395              | Capstone Design I: Definition & Exploration      | MATH 2326* and EL 3332* and PHYS 2421   | None          |
| EL            | 4396              | Capstone Design II: Development and Evaluation   | EL 4395* and CE 2326*   | None          |
| MME           | 2303              | Intro to Material Science & Engineering          | CHEM 1305*  | None          |
| MME           | 2434              | Mechanics of Materials                           | MATH 1411*  | None          |
| CE            | 2338 <sup>b</sup> | Mechanics II (Dynamics )                         | See Advisor for Prerequisite Waiver for CE 2315 AND MATH 1312 *                     | None          |
| CE            | 2377 <sup>c</sup> | Electro Mechanical Systems                       | MATH 1312*  | None          |
| MECH          | 2311 <sup>d</sup> | Intro to Thermo Fluid Science                    | MATH 1312* OR MATH 2313* OR MATH 2326* ( may be substituted for MECH 2311)          | None          |

Last Update 03-23-2021

a -- IE 3373 or EE 3384 are equivalent courses.

b --MECH 2340 is an equivalent course.

c --IE 2377 or MECH 2342 are equivalent courses.

d -- CE 2375 may be substituted.