# B.S. in MECHANICAL ENGINEERING (Mechatronics Concentration)
## Suggested 4-Year Academic Flowchart

### 2017-2019 Catalog

- **Course Title**
- **Course # (Units)**
- **Support (76-80)**
- **Concentration (21-22)**
- **General Ed. (40)**

### Notes:
- **Most General Education Courses Can Be Taken in Any Order as Long as Prerequisites Are Met**
- * Refer to current catalog for prerequisites.
- ** One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after Junior standing is reached (90 units).
- ** Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).
- USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, D1, D2, or D4.
- ** Refer to current catalog for course selection.
- ** Course can be taken previously or concurrently.
- ^ Transfer students take ME 228 & 229 in lieu of ME 128, 129, 130 and 163
- 1 ENGR 459, ENGR 460 and ENGR 461 (6) may substitute for ME 428, ME 429 and ME 430 (6).

### Fall

#### FRESHMAN
- Intro. to ME 101^ (1)
- Calculus I
- Gen. Phys. for Eng. I
- CHEM 124 (4)^
- GE 101
- GE 4 (4)

#### SOPHOMORE
- Intro. to ME II
- Calculus II
- PHYS 131 (4)
- ME 134 (4)^
- IME 141† or CSC 231 (4)
- GE 4 (4)

#### JUNIOR
- Intro. to ME I
- Calculus III
- PHYS 133 (4)
- Gen. Phys. for Eng. II
- CHEM 125 (4)
- GE 4 (4)

#### SENIOR
- Intro. to ME III
- Calculus IV
- PHYS 135 (4)
- Gen. Phys. for Eng. III
- CHEM 126 (4)

### Winter

#### FRESHMAN
- ME 128^ (1)
- General Physics
- GE (4)

**Notes:**

- **Most General Education Courses Can Be Taken in Any Order as Long as Prerequisites Are Met**
- * Refer to current catalog for prerequisites.
- ** One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after Junior standing is reached (90 units).
- Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).
- USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, D1, D2, or D4.
- ** Refer to current catalog for course selection.
- ** Course can be taken previously or concurrently.
- ^ Transfer students take ME 228 & 229 in lieu of ME 128, 129, 130 and 163
- 1 ENGR 459, ENGR 460 and ENGR 461 (6) may substitute for ME 428, ME 429 and ME 430 (6).