# B.S. in MECHANICAL ENGINEERING (Manufacturing Concentration) 2015-2017 Catalog

**Suggested 4-Year Academic Flowchart**

### Freshman

**Fall**
- Introduction to Mechanical Engineering I
- Calculus I
- General Physics I

**Spring**
- Introduction to Mechanical Engineering II
- Calculus II
- General Physics II

**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, E4 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, C4, D1, D3, or D4.
- **One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, D4.**
- Can be taken anytime during Freshman Year.

### Sophomore

**Fall**
- Manufacturing Processes: Material Joining
- Calculus III
- Gen. Chem. For Phys Sci & Engineering I

**Winter**
- Manufacturing Processes: Material Removal
- Engineer. Statics
- Gen. Chem. For Phys Sci & Engineering II

**Notes:**
- Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.

### Junior

**Fall**
- Manufacturing Processes: Material Removal
- GE (4) **
- GE (4) **

**Spring**
- GE (4) **
- GE (4) **

**Notes:**
- Can be taken anytime during Sophomore Year.

### Senior

**Fall**
- GE (4) **
- GE (4) **
- GE (4) **

**Winter**
- GE (4) **
- GE (4) **
- GE (4) **

**Notes:**
- Can be taken anytime during Junior Standing.

**Total:** 196-199