## B.S. in MATERIALS ENGINEERING
### Suggested 4-Year Academic Flowchart

#### FALL
**Introduction to Materials Engineering Design I**
MATE 110 (1)

**Introduction to Design & Manufacturing**
IME 144 (4)  
(Rec: IME 140, ME 120/151)

**Calculus I**
MATH 141 (4)  
(B3/B4)

**General Chemistry for Physical Science & Engineering I**
CHEM 124 (4)  
(Chen 124)

**General Writing**
ENGL 133 or 134 (4)**  
(A1)

**Technical Writing for Engineers**
ENGL 149 (4)**  
(A3)

**Oral Communication**
CONS 101 or 102 (4)**  
(A2)

#### SPRING
**Introduction to Materials Engineering Design II**
MATE 120 (1)  
(MATH 110)

**Introduction to Design & Manufacturing**
IME 144 (4)  
(Rec: IME 140, ME 120/151)

**Calculus II**
MATH 142 (4)  
(MATH 141 or C-)

**General Chemistry for Physical Science & Engineering II**
CHEM 125 (4)  
(Chen 124)

**General Physics IA**
PHYS 141 (4)  
(Chen 124)

**Expository Writing**
ENGL 133 or 134 (4)**  
(A1)

**Technical Writing for Engineers**
ENGL 149 (4)**  
(A3)

**Oral Communication**
CONS 101 or 102 (4)**  
(A2)

#### FRESHMAN Year
17

#### SOPHOMORE Year
17

#### JUNIOR Year
16

#### SENIOR Year
16

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**Notes:**

- **M ost 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, B1, B2, 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, C4, D1, D3, or D4.
- **Courses can be taken previously or concurrently.**
- **Support (70-72)**
- **Major (70)**
- **General Ed. (44)**

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**Legend:**

- **Course Title**
- **Course # (Units)**
- **Prerequisite**
- **Support (70-72)**
- **Major (70)**
- **General Ed. (44)**

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