BSE – Mechanical Engineering (MENG) Concentration – 2017

**FRESHMAN**
- **Fall**
  - **ENGR 1000 (1)**
    - Intro to Engineering
  - **ENGR 1012 (2)**
    - Engineering Graphics
- **Spring**
  - **ENGR 1016 (2)**
    - Introduction to Engineering Design
  - **ENGR 2050 (3)**
    - Computer Applications in Engineering

**Sophomore**
- **Fall**
  - **ENGR 2000 (1)**
    - Intro to Engineering Design
  - **ENGR 2022 (3)**
    - Statics
- **Spring**
  - **ENGR 2450 (3)**
    - Dynamics
  - **ENGR 2070 (3)**
    - Materials and Processes

**Junior**
- **Fall**
  - **ENGR 3024 (3)**
    - Mechanics of Materials
  - **ENGR 2514 (4)**
    - Circuit Analysis
- **Spring**
  - **ENGR 3050 (3)**
    - Sensors, Measurements and Controls
  - **ENGR 2450 (3)**
    - Dynamics

**Senior**
- **Fall**
  - **ENGR 4010 (2)**
    - Capstone Design I
  - **ENGR 4020 (2)**
    - Capstone Design II
- **Spring**
  - **ENGR 4263 (3)**
    - Heat and Mass Transfer
  - **ENGR 4650 (3)**
    - Machine Design

**Math/Science: 33 hours**
- **Fall**
  - **MATH 2171 (4)**
    - Calculus I
  - **CHEM 1150/1151 (4)**
    - General Chemistry I
- **Spring**
  - **MATH 2152 (3)**
    - Calculus II
  - **PHYS 2350 (4)**
    - University Physics I

**General: 30 hours**
- **Fall**
  - **ENGL 1100 (3)**
    - Composition
  - **CHEM 1150/1151 (4)**
    - General Chemistry I
- **Spring**
  - **ENGL 2201 (3)**
    - Writing about the Disciplines

**Credit hours per Semester**
- **Fall**: 17
- **Spring**: 17
- **Cumulative Credit hours**: 17/49

**Revision Date**: May 23, 2017

**Diversity**: At least one elective course must be designated as GD (Global Diversity) and at least an elective course must be designated as DD (Domestic Diversity).

**Humanities/Fine Arts**: Must complete at least one course in the humanities and one course in fine arts.

**Social Sciences**: Must complete courses in at least two different areas.

**Note**: This chart is for planning purposes only. It is the student's responsibility to ensure that requirements as detailed in the Undergraduate Catalog are met.

**Foundations Elective (3)**
- **Social Sciences Elective (3)**
- **Humanities/Fine Arts Elective (3)**