Materials Science and Engineering

Typical Sequence of Courses

**Freshman**
- MATH 51 (A,W,S)
- MATH 52 (A,W,S)
- MATH 53 (A,W,S)
- PHYSICS 41 (W)
- PHYSICS 43 (S)
- CHEM 31X (A)
- ENGR 50 (S) or 50E (A) or 50M (W)

**Sophomore**
- Two Additional ENGR Fundamentals
- MSE Fundamentals
- MATSCI 152 (S)
- MATSCI 153 (W)
- PHYSICS 45 (A)

**Junior**
- MSE Fundamentals
- MATSCI 151 (A)
- MATSCI 154 (S)
- MATSCI 155 (S)
- MATSCI 157 (W)
- MATSCI 160 (S)

**Senior**
- MSE Fundamentals
- MATSCI 156 (A)
- MSE Depth
- MATSCI 162 (W)
- MATSCI 164 (A)

**Advanced Level Courses**
- MATSCI 190 series

**Focus Area Options**
- Choose one from the following ten options
  - Bioengineering
  - Chemical Engineering
  - Chemistry
  - Electronics and Photonics
  - Energy Technology
  - Materials Characterization Techniques
  - Mechanical Behavior and Design
  - Nanoscience
  - Physics
  - Self-Defined (*approved by petition*)