Biosystems Engineering

Prerequisite Flowchart

These requirements are effective for students admitted to the Biosystems Engineering major beginning Fall 2016.

**FRESHMAN YEAR**

- **FALL Term 1**
  - CEM 161-1 Cem Lab I
  - CEM 141-4 Gen Cem
  - EGR 100-2 Intro Engr Design
  - MTH 132-3 Calc I
  - WRA 101-4 Univ Writing

- **SPRING Term 2**
  - BS 161-3 Cells & Molcir Biol
  - EGR 102-2 Intro Engr Model
  - MTH 133-4 Calc II
  - ISS 2XX-4 "DIV- N, I or D" *(Div)*
  - IAH 201-210-4 "DIV- N, I or D" *(Div)*

**SOPHOMORE YEAR**

- **FALL Term 3**
  - BS 162-3 Orgnsml & Populn
  - MTH 234-4 Multivar Calc
  - PHY 183-4 Physics I
  - IAH 201-210-4 "DIV- N, I or D" *(Div)*

- **SPRING Term 4**
  - CEM 143-4 Surv Organic Chem
  - MTH 235-3 Diff Equations
  - PHY 184-4 Physics II
  - ISS 3XX-4 "DIV- N, I or D" *(Div)*

**JUNIOR YEAR**

- **FALL Term 5**
  - BE 322-3 Engr Prep of Biol Mats
  - BE 332-3 Engr Anl Biol Sys
  - CE 221-3 Statics
  - CE 232-3 Statics
  - CE 321-3 Intro to Fluid Mech
  - CE 351-3 Therodynamics for Biol Engr

- **SPRING Term 6**
  - BE 334-3 Biosys Engr Lab
  - BE 360-3 Microbil Sys Engr
  - BE 385-3 Engr Des & Optmz
  - CE 274-1 Graphics for Civil & Environmental Eng
  - C. Choose 1 from:
    - (3-4 crs): BLD 350, CSS 442, CSS 451, FOR 406, FSC 440, MMG 425, MMG 445, PLB 402, PLB 424, PSL 425
  - E. Choose 1 from:
    - (3 crs): BE 444, BE 449, BE 456, BE 469, BE 477, BE 478, BE 481, BE 482, CHE 468

**SENIOR YEAR**

- **FALL Term 7**
  - BE 485-3 Biosys Des Tech
  - BE 487-3 Biosys Des Proj
  - BE 488-3 Biosys Des Proj
  - E. Choose 1 from:
    - (3 crs): BE 444, BE 449, BE 456, BE 469, BE 477, BE 478, BE 481, BE 482, CHE 468

- **SPRING Term 8**
  - E. Choose 1 from:
    - (3 crs): BE 444, BE 449, BE 456, BE 469, BE 477, BE 478, BE 481, BE 482, CHE 468
  - Elective - 2 2 crs of Gen Elecs
  - Elective - 3 3 crs of Gen Elecs

**LEGEND**

- Prerequisite
- Prerequisite or Concurrent
- Corequisite

Rounded box: Offered only in the semester listed (excluding summer) *Div: Complete courses in at least 2 out of 3 diversity categories - "N", "I" or "D"