### Track 2: Cellular and Biomolecular Engineering

#### Fall 3

- **BME 221 M** Measurement and Instrumentation Lab
  - BME 311, BME 113L, BME 365R
  - BME 314, BME 333T & 335
- **BME 343 M** BME Signal and Systems Analysis
  - BME 311 & 113L
  - BME 314, M 427K
- **BME 365R M** Quantitative Engr. Physiology I
  - BIO 206L, BME 343
  - BME 311, M 427K
  - CH 369
  - PHYS 303L & 103N
- **BME 353 M** Transport Phenomena in Living Systems
  - BME 113L & 314
  - CH 353(M)
  - M 427K

#### Spring

- **BME 251 M** Biomedical Image, Signal & Transport Process Lab
  - BME 221, M 427K
- **BME 348 M** Modeling of BME Systems
  - BME 343, BME 113L
- **BME 365S M** Quantitative Engr. Physiology II
  - BME 365R
- **BME 352 T** Engineering Biomaterials
  - BME 314
  - BME 221 or Full Major Seq.
- **E 316K C** Masterworks of Literature
  - RHE 306
- **VAPA C** Visual & Performing Arts from Approved List

### Cellular and Biomolecular Technical Electives:

*Must choose two of the following for a total of six hours:

- Any upper-division BME (3 hours)
- Approved upper-div Engr.
- Approved upper-div Comp Sci.
- Approved upper-div Math
- Approved upper-div Physics

**Remaining three credit hours must be in Biomedical Engineering. Please choose one:**

- **BIO 325 T** Genetics
  - BIO 311C
  - BME 314
- **CH 320N & 220C T** Organic Chem II & Lab
  - CH 320M

**OR**

- **CH 328N & 128L T** Organic Chem II & Lab
  - CH 328M
  - CH 128K

**Must choose two of the following for a total of six hours:**

- Approved upper-div Engr.
- Approved upper-div BME
- Approved upper-div Comp Sci.
- Approved upper-div Math
- Approved upper-div Physics
- BME 377(X)

**Approved Graduate Course**

Legend:

- **B** Engineering Foundations of BME
- **C** Co-requisite registration for:
  - PRE-REQ
  - CO-REQ
- **M** Major Sequence
- **T** Technical Area

Revised: 07/31/2015; SCD