## Biomedical Engineering

### B.S. Biomedical Engineering

- **Bioimaging**
  - 3 of the following courses:
    - BIOL 101 and 102, or higher level course in MCDB or MB&B with DUS permission;
    - CHEM 161 or higher

- **Biomechanics and Mechanobiology**
  - 3 of the following courses:
    - MENG 185, 361, BENG 404, 406, 410, 422, 455, 463, 465, 467, 468, 469, MENG 361

- **Biomolecular Engineering**
  - 3 of the following courses:
    - BENG 404, 406, 410, 411, 422, 435, 463, 465, 467, 468, 469, MENG 361

- **Systems Biology**
  - 3 of the following courses:
    - BENG 404, 406, 410, 411, 422, 435, 463, 465, 467, 468, 469, MENG 361

- **13 term courses**
  - (for at least 11 credits), beyond prereqs (incl senior req)
  - Students must fulfill the requirements of 1 concentration
  - BENG 249, 280, 350, 351, 352, 353, 355L, 356L, 480

- **Senior Project (BENG 474 or BENG 473 and 474)**

### Degree Offered

### Prerequisites

- **for entering the major**
  - BIOL 101 and 102, or higher level course in MCDB or MB&B with DUS permission;
  - CHEM 161 or higher

- **MATH 115 or 116** (not necessary if placed into MATH 120 or ENAS 151);
  - MATH 120 or ENAS 151;
  - ENAS 194 or higher with DUS permission

- **PHYS 180, 181, 205L, and 206L**
  - (or PHYS 165L and 166L with DUS permission)

### Requirements

- **BENG 280 (.5 credit sophomore year)**

- **BENG 480 (.5 credit senior year)**

### Senior Requirements

### Substitutions

- Relevant course with DUS permission

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