# Biomedical Engineering

## Degrees Offered

### B.S. Biomedical Engineering

- **Bioimaging**
  - 3 of following courses:
    - BENG 404, 406, 410, 444, 445, 449, 475, 476, 485

- **Biomechanics and Mechanobiology**
  - 3 of following courses:
    - MENG 185, 361, BENG 404, 406, 410, 422, 434, 455, 456, 457, 458, 459

- **Biomolecular Engineering**
  - 3 of following courses:
    - BENG 404, 406, 410, 411, 422, 434, 435, 463, 464, 465, 467, 468, 469, MENG 361

- **Systems Biology**
  - 3 of following courses:
    - BENG 404, 406, 410, 411, 422, 434, 435, 463, 464, 465, 467, 468, 469, MENG 361

- **BENG 280 (.5 credit sophomore year)**
- **BENG 480 (.5 credit senior year)**

### Senior Requirements

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

### Substitutions

- Relevant course with DUS permission

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**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; ENAS 151 or MATH 120; ENAS 194 or higher with DUS permission

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

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**13 term courses**

(for at least 11 credits), beyond prereqs (incl senior req)

- BENG 249, 280, 350, 351, 352, 353, 355L, 356L, 480

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<th>BENG 249, 280, 350, 351, 352, 353, 355L, 356L, 480</th>
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**Revisions effective fall 2023**