

Biomedical Engineering

Degrees Offered

B.S. Biomedical Engineering

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 and ENAS 194

MATH 115 (unless placed into higher level); MATH 120 or ENAS 151;
PHYS 180, 181, 205L, and 206L
(or 165L and 166L with DUS permission)

Requirements for each degree

13 term courses

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

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

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

**Biomechanics and
Mechanobiology**
3 of following
courses:
MENG 185, 361,
BENG 404, 406,
410, 434, 453,
455, 456, 457,
458

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

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

2 term courses in life sciences
from prereq and req courses

Senior Requirements

BENG 280 (.5 credit sophomore year)

BENG 480 (.5 credit senior year)

Senior Project (BENG 474 or BENG 473 and 474)

Substitutions

Relevant course with DUS permission

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