

Biomedical Engineering

Degree 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

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

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

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, 456, 458

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

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

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

Revised February 2024