

List of Elective Courses by Options

Biochemical Option Electives

- B E 468
- BME 410
- BME 419
- BME 433
- BME 435
- BME 443
- BME 444
- BME 445
- BME 446
- BME 496 OR 494H (3 credits maximum)
- CH E 340
- CH E 438
- E SC 483
- ESC 484
- EDSGN 452
- EDSGN 453

Related Technical Electives

- Any of the Option Electives
- Any additional BME 400 level or BIOE 500 level course, CHEM 210, CHEM 212, ENGR 295, ENGR 395, ENGR 495 (3 credits maximum for ENGR x95)
- Courses for an approved minor (E L D, ESHIP, ENTI, NANO, E MCH, MATH, STAT, CHEM, PHYS)

Science and Engineering Electives

- Any of the above Option or Related Technical Electives
- Any CHEM, PHYS, MATH, BIOL, STAT, BMB, or College of Engineering course at 300-level or higher
- 3 credits of a completed ROTC program

Biomaterials Option Electives

- BME 410
- BME 413
- BME 419
- BME 423
- BME 433
- BME 435
- BME 444
- BME 445
- BME 496 or 494H (3 credits maximum)
- EDSGN 452
- EDSGN 453
- MATSE 430

Related Technical Electives

- Any of the Option Electives
- Any additional BME 400 level or BIOE 500 level course, CHEM 210, CHEM 212, ENGR 295, ENGR 395, ENGR 495 (3 credits maximum for ENGR x95)
- Courses for an approved minor (E L D, ESHIP, ENTI, NANO, E MCH, MATH, STAT, CHEM, PHYS)

Science and Engineering Electives

- Any of the above Option or Related Technical Electives
- Any CHEM, PHYS, MATH, BIOL, STAT, BMB, or College of Engineering course at 300-level or higher
- 3 credits of a completed ROTC program

Biomechanics Option Electives

- BME 410
- BME 413
- BME 419
- BME 443
- BME 444
- BME 446
- BME 496 or 494H (3 credits maximum)
- E MCH 400
- E MCH 402
- E MCH 403
- E MCH 409

- E MCH 416H
- E MCH 446
- E MCH 461
- ME 461
- ME 360
- ME 370
- EDSGN 452
- EDSGN 453

Related Technical Electives

- Any of the Option Electives
- Any additional BME 400 level or BIOE 500 level course, CHEM 210, CHEM 212, ENGR 295, ENGR 395, ENGR 495 (3 credits maximum for ENGR x95)
- Courses for an approved minor (E L D, ESHIP, ENTI, NANO, E MCH, MATH, STAT, CHEM, PHYS)

Science and Engineering Electives

- Any of the above Option or Related Technical Electives
- Any CHEM, PHYS, MATH, BIOL, STAT, BMB, or College of Engineering course at 300-level or higher
- 3 credits of a completed ROTC program

Medical Imaging and Device Option Electives

- BME 409
- BME 410
- BME 419
- BME 435
- BME 443
- BME 444
- BME 496 or 494H (3 credits maximum)
- ESC 314
- EDSGN 452
- EDSGN 453
- E E 3xx
- E E 4xx

Related Technical Electives

- Any of the Option Electives
- Any additional BME 400 level or BIOE 500 level course, CHEM 210, CHEM 212, ENGR 295, ENGR 395, ENGR 495 (3 credits maximum for ENGR x95)

• Courses for an approved minor (E L D, ESHIP, ENTI, NANO, E MCH, MATH, STAT, CHEM, PHYS)

Science and Engineering Electives

- Any of the above Option or Related Technical Electives
- Any CHEM, PHYS, MATH, BIOL, STAT, BMB, or College of Engineering course at 300-level or higher
- 3 credits of a completed ROTC program

Contact Information

Undergraduate Program Coordinator

Justin Brown 814-865-5190 <u>jlb92@psu.edu</u>

Electives Course by Option:

- Biochemical Option
- Biomaterials Option
- Biomechanics Option
- Medical Imaging and Device Option
- Research
- Academics
- <u>Industry</u>
- Alumni
- <u>Directory</u>

About

The Department of Biomedical Engineering administers the bachelor of science, master of science, and doctorate degree programs in biomedical engineering. Our work combines traditional engineering principles with medicine and technology for the betterment of human health and society.

- Privacy and Legal Statements
- Accessibility
- <u>University Hotlines</u>
- Email Webmaster

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Department of Biomedical Engineering

122 Chemical and Biomedical Engineering Building

The Pennsylvania State University

University Park, PA 16802-4400

Phone: 814-863-6614

Email: bme@engr.psu.edu



