### BIOMEDICAL ENGINEERING [BIOMATERIALS OPTION]

This is meant to mirror the current Suggested Academic Plan found at bulletins.psu.edu

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**1st Semester 15 Credits**

- CHEM 110*# [3 Credits]
- CHEM 111 [1 Credit]
- ECON 102 or 104 [3 Credits]
- EDSGN 100*# [3 Credits]
- BME 100 or ENGR 100 or FYS [1 Credit]
- MATH 140*# [4 Credits]

**2nd Semester 18 Credits**

- CHEM 112 [3 Credits]
- CHEM 113 [1 Credit]
- ENGL 015* or ENGL 030* or ESL 015* [1 Credit]
- MATH 141*# [4 Credits]
- PHYS 211*# [4 Credits]
- GEN ED [3 Credits]

**3rd Semester 17 Credits**

- BIOL 141* ** [3 Credits]
- CHEM 141 or 142 ** [3 Credits]
- MATH 141 or 142 ** [3 Credits]
- PHYS 212* [4 Credits]
- GEN ED [3 Credits]

**4th Semester 16 Credits**

- BME 201** Concurrent CMPSC 200 PHYS 212 [3 Credits]
- CHEM 202 or CHEM 210 [3 Credits]
- EMCH 210 [5 Credits]

**5th Semester 16 Credits**

- BME 201** Concurrent CMPSC 200 PHYS 212 [3 Credits]
- CHEM 202 or CHEM 210 [3 Credits]
- EMCH 210 [5 Credits]

**6th Semester 16 Credits**

- BME 301** (Prerequisite PHYS 212) [4 Credits]
- CHEM 302** [3 Credits]
- BME 303** [3 Credits]

**7th Semester 16.5 Credits**

- BME 401* [3 Credits]
- BME 402** [3 Credits]
- BME 403 [1 Credit]

**8th Semester 16.5 Credits**

- BME 429 [2 Credits]
- BME 440 [1 Credit]
- BME 446 [3 Credits]

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# Course is an Entrance to Major (ETM) requirement

~ Prerequisites also includes : MATH 251 BIOL 141

* Course requires a grade of C or better for the major

** Alternately BIOL 240W may be taken for BIOL 141 & 142

= Prerequisite or Concurrent

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Fall Only Courses

- GEN ED [3 Credits]
- MATSE 201 (Requires CHEM 312) [3 Credits]

Spring Only Courses

- GEN ED [3 Credits]
- GEN ED [3 Credits]

Related Technical Elective [3 Credits]

- BIOMATERIALS ELECTIVE or SCIENCE or ENGINEERING ELECTIVE [3 Credits]

- GHW [1.5 Credit]
- GHW [1.5 Credit]

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www.advising.engr.psu.edu