**BIOLOGICAL ENGINEERING [NATURAL RESOURCE OPTION]**

1st Semester
17 Credits

- BE 1 or FYS [1 Credit]
- CHEM 110*# [3 Credits]
- EDSGN 100*# [3 Credits]
- ECON 102 or 104 or AGBM 101 [3 Credits]
- MATH 140* [4 Credits]
- MATH 140E

2nd Semester
15 Credits

- CHEM 111 [1 Credit]
- ENGL 015* or ENGL 030* or ESL 015* [3 Credits]
- MATH 141*# MATH 141E [4 Credits]
- MATH 251* [4 Credits]
- PHYS 211*# [3 Credits]
- PHYS 212* [4 Credits]
- GEN ED [3 Credits]
- GEN ED [3 Credits]

3rd Semester
17 Credits

- CAS 100 A/B/C* [3 Credits]
- EMCH 212* [3 Credits]
- GEN ED [3 Credits]
- GEN ED [3 Credits]
- GEN ED [3 Credits]

4th Semester
17 Credits

- EMCH 211* [3 Credits]
- EMCH 213* [3 Credits]
- MATH 231 [2 Credits]
- MATH 251* [4 Credits]
- PHYS 212* [4 Credits]
- PHYS 211*# [3 Credits]
- SOILS 101 [3 Credits]

5th Semester
17 Credits

- ASM 309* (Corequisite PHYSICS 211) [3 Credits]
- BE 301** [3 Credits]
- BE 302** (other prerequisites needed) [4 Credits]
- BE 304** [3 Credits]
- STAT ELECTIVE (See Bulletin) [3 Credits]
- GEN ED [3 Credits]
- GEN ED [3 Credits]

6th Semester
15 Credits

- BE 307* [3 Credits]
- BE 391 [2 Credits]
- BE 392 [2 Credits]
- BE 308* (Prerequisite CHEM 110) [3 Credits]
- BE 305** [3 Credits]
- ENG SCIENCE/DESIGN SELECTION [3 Credits]
- ENG SCIENCE/DESIGN SELECTION [3 Credits]
- ENGINEERING SCIENCE/DESIGN SELECTION [3 Credits]
- ENGINEERING SCIENCE/DESIGN SELECTION [3 Credits]

7th Semester
15.5 Credits

- BE 302** (other prerequisites needed) [2 Credits]
- BE 460W [3 Credits]
- BE 467 [3 Credits]
- BE 477 [3 Credits]
- DESIGN SELECTION [3 Credits]
- TECHNICAL SELECTION [3 Credits]

8th Semester
15.5 Credits

- BE 466W [2 Credits]
- BE 487 [3 Credits]
- GHW [1.5 Credit]
- GHW [1.5 Credit]

**Fall Only Courses**

- BE 391
- BE 487 [3 Credits]
- BE 467 [3 Credits]
- BE 477 [3 Credits]
- BE 460W [3 Credits]

**Spring Only Courses**

- ASM 309* (Corequisite PHYSICS 211) [3 Credits]
- BE 301** [3 Credits]
- BE 304** [3 Credits]
- BE 307* [3 Credits]
- BE 391 [2 Credits]
- BE 392 [2 Credits]
- BE 308* (Prerequisite CHEM 110) [3 Credits]
- BE 305** [3 Credits]
- ENG SCIENCE/DESIGN SELECTION [3 Credits]
- ENG SCIENCE/DESIGN SELECTION [3 Credits]

This is meant to support the current Suggested Academic Plan found at:

bulletins.psu.edu

Updated: 4/6/2022

www.advising. engr.psu.edu