B. Eng. in Bioengineering Curriculum Structure

Cohort Year 2019

Legend
- Prerequisite
- Corequisite
- Fall Offering
- Spring Offering
- Offering in both semesters

Electives [15]
At least 9 credits from 1 chosen specialization area
At least 9 credits at 4000-level or above

Capstone Design [6]
BIEN 4920

BIEN 4930 (Note 3)

Industrial Project [6]
BIEN 4940

OR

BIEN Acad. Pro. Dev. I [1]
BIEN 4990

Tech. Comm. II [3]
LANG 4035

OR

BIEN Lab [4]
BIEN 3910

BIEN Acad. Pro. Dev. II [1]
BIEN 4990

Tech. Comm. II [3]
LANG 2030

OR

Engg. Seminars [0]
ENGG 2010

Data Science [3]
BIEN 3320

Transport I [3]
CENG 2220

Thermodynamics
CENG 2210

Modeling for CBE [3]
BIEN 2310

Chem. Biology [3]
BIEN 2610

BIEN 2410

Reaction Engineering [3]
CENG 3230

Bioimaging & Bioinstr. [3]
BIEN 3410

BIEN Lab [4]
BIEN 3910

LANG 2030

OR

Statistics [3-4]
MATH 2411 / LIFS 3150

Calculus I [3-4]
MATH 1012/1013/1023

Calculus II [3]
MATH 1014/1024

General Physics I [3]
PHYS 1112/1312

General Chemistry I + Lab [4]
CHEM 1010/1020 + 1050

General Biology I [3]
LIFS 1901 (Note 2)

Intro. Comp. Sci. [3]
COMP 1021 (Note 1)

Intro. CBE [3]
CENG 1000

Intro. BME [3]
BIEN 1010

SENG Acad. Orientation [0]
ENGG 1010

OR

Intro. Comp. Sci. [3]
COMP 1022P/1022Q/2011 instead are required to take COMP1029P.

Note 1: Students who have taken COMP1022P/1022Q/2011 instead are required to take COMP1029P.

Note 2: LIFS 1901 is waived for those who have HKDSE 1x Biology.

Note 3: Prior credit-bearing research experience and instructor’s consent required.