



Equivalents and courses needed to complete the IPHY chemistry requirement

If a student has completed...

A course equivalent to **Gen Chem 1**
(CHEM 1113):

- MCEN 1024 (if C- or higher)
- CHEN 1201
- CHEN 1201 + CHEN 1203
- CHEN 1211
- CHEM 1400

Courses equivalent to **Gen Chem 1 + Lab** (CHEM 1113/1114):

- CHEN 1201 + CHEM 1221
- CHEN 1201 + CHEN 1203 + CHEM 1221
- CHEN 1211 + CHEM 1221
- CHEM 1400 + CHEM 1401

Courses equivalent to **Gen Chem 1 + Gen Chem 2** (CHEM 1113 and 1133):

- CHEN 1201 + CHEN 2120
- CHEN 1201 + CHEN 1203 + CHEN 2120

They will need to take the following courses to successfully complete the chemistry sequence:

Gen Chem 1 Lab
(CHEM 1114)

Gen Chem 2
(CHEM 1133)

Gen Chem 2 Lab
(CHEM 1134)

Chemistry Equivalents

- ***CHEM 1113 = General Chemistry 1**
 - CHEM 1400 = Foundations of Chemistry
 - CHEN 1201 = General Chemistry for Engineers 1
 - CHEN 1211 = Accelerated Chemistry for Engineers
 - MCEN 1024 = Chemistry for Energy and Materials Science
- ***CHEM 1114 = General Chemistry 1 Lab**
 - CHEM 1401 = Foundations of Chemistry Lab
 - CHEN 1221 = Engineering General Chemistry Lab
- ***CHEM 1133 = General Chemistry 2**
 - CHEN 2120 = Chemical Engineering Material and Energy Balances
- ***CHEM 1134 = General Chemistry 2 Lab**

***Required for IPHY chemistry requirement**