

FIRST YEAR
SECOND YEAR
THIRD YEAR
FOURTH YEAR

FALL

WINTER

FALL

WINTER

FALL

WINTER

FALL

WINTER

CHEM 1001
General Chemistry I

CHEM 1002
General Chemistry II

CHEM 2203
Organic Chemistry I

CHEM 2204
Organic Chemistry II
OR
CHEM 2206
Organic Chemistry IV

CHEM 2501
Introduction to Inorganic and Bioinorganic Chemistry

CHEM 3503
Inorganic Chemistry I

CHEM 3100
Physical Chemistry II

CHEM 3107
Experimental Methods
OR
CHEM 3106
Computational Chemistry lab

CHEM 3102
Methods of Computational Chemistry

CHEM 4102
Advanced Topics in Physical Chemistry II

0.5 credit from: CHEM 4xxx
Honours Project
CHEM 4908 or PHYS 4909
OR
(PHYS 4907/4908 + PHYS 4xxx)
Requires 4th year standing

0.5 credit from: PHYS 4xxx
1.5 credit from: PHYS 3308, 3606, 3802, 4707
MATH 1104
Linear Algebra

MATH 1005
Differential Equations and Infinite Series

MATH 2004
Multivariable Calculus for Engineering or Physics

MATH 3705
Mathematical Methods I

STAT 3502
Probability and Statistics

MATH 1004
Calculus for Engineering or Physics

PHYS 2202
Wave Motion and Optics

PHYS 3007
Third Year Physics Laboratory

PHYS 1001
Foundations of Physics I

PHYS 1002
Foundations of Physics II

PHYS 2604
Modern Physics I

PHYS 2305
Electricity and Magnetism

PHYS 3701
Elements of Quantum Mechanics

PHYS 3807
Mathematical Physics I

0.5 credit from COMP 1005 or ECOR 1606
Recommended to take in any term in the first year or the summer term

0.5 Credit from MATH 3800 or ECOR 2606
To be taken any time after 1st year.

2.0 credits in approved courses outside the faculties of Science and Engineering and Design, one of which can be NSCI 1000

Plus

1.0 credit in free electives


Note:

- Dashed connecting line indicate a pre-requisite that may be taken concurrently.
- Some Experimental Science, COMP, ELEC and MATH, and many elective courses are also offered in summer, which may help to reduce your course load in the Fall and Winter terms.