FALL WINTER
FIRST YEAR
CHEM 1001 General Chemistry I
CHEM 1002 General Chemistry II
PHYS 1001 Foundations of Physics I
PHYS 1002 Foundations of Physics II
MATH 1104 Linear Algebra
MATH 1004 Calculus for Engineering or Physics

SECOND YEAR
CHEM 2103 Physical Chemistry II
MATH 1005 Differential Equations and Infinite Series
MATH 2004 Multivariable Calculus for Engineering or Physics

THIRD YEAR
CHEM 2203 Organic Chemistry I
CHEM 2204 Organic Chemistry II
CHEM 2206 Organic Chemistry IV
CHEM 2501 Introduction to Inorganic and Bioinorganic Chemistry
CHEM 3503 Inorganic Chemistry I
CHEM 3100 Physical Chemistry II
CHEM 3102 Methods of Computational Chemistry
PHYS 2604 Modern Physics I
PHYS 2202 Wave Motion and Optics
PHYS 3007 Third Year Physics Laboratory
PHYS 3007 Mathematical Methods I
PHYS 3701 Elements of Quantum Mechanics

FOURTH YEAR
CHEM 3107 Experimental Methods
CHEM 3106 Computational Chemistry lab
CHEM 4102 Advanced Topics in Physical Chemistry II
CHEM 4908, or PHYS 4909, or (PHYS 4907/4908 + PHYS 4xxx)
0.5 credit from: CHEM 4xxx
0.5 credit from: PHYS 4xxx
0.5 credit from: MATH 3800 or MATH 3806
1.0 credit from:
CHEM 2103 Physical Chemistry II
CHEM 3107 Physical Chemistry II
CHEM 2203 Organic Chemistry I
CHEM 2204 Organic Chemistry II
CHEM 3503 Inorganic Chemistry I
CHEM 3100 Physical Chemistry II
PHYS 2604 Modern Physics I
PHYS 2202 Wave Motion and Optics
PHYS 3007 Third Year Physics Laboratory
PHYS 3701 Elements of Quantum Mechanics

0.5 Credit from MATH 3800 or MATH 3806 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.