FAL  WINTER

FIRST YEAR

CHEM 1001
  General Chemistry I

CHEM 1002
  General Chemistry II

MATH 1104
  Linear Algebra

MATH 1005
  Differential Equations and Infinite Series

MATH 1004
  Calculus for Engineering or Physics

PHYS 1001
  Foundations of Physics I

PHYS 1002
  Foundations of Physics II

PHYS 2501
  Introduction to Inorganic and Bioinorganic Chemistry

PHYS 2604
  Organic Chemistry I

PHYS 2204
  Organic Chemistry II

MATH 2004
  Modern Physics I

PHYS 2004
  Calculus for Engineering or Physics

PHYS 2103
  Physical Chemistry II

PHYS 2202
  Wave Motion and Optics

PHYS 2305
  Electricity and Magnetism

PHYS 2304
  Modern Physics I

PHYS 2501
  Organic Chemistry IV

PHYS 2304
  Experimental Methods

CHEM 2103
  Physical Chemistry II

MATH 3705
  Mathematical Methods I

PHYS 3007
  Third Year Physics Laboratory

PHYS 3205
  Elements of Quantum Mechanics

PHYS 3308
  Modern Physics I

PHYS 3503
  Inorganic Chemistry I

PHYS 3100
  Physical Chemistry II

PHYS 3102
  Methods of Computational Chemistry

PHYS 3701
  Mathematical Physics I

PHYS 3701
  Honours Project

CHEM 3106
  Computational Chemistry lab

CHEM 3503
  Inorganic Chemistry I

CHEM 3100
  Physical Chemistry II

0.5 credit from:
  CHEM 4xxx

0.5 credit from:
  PHYS 4xxx

0.5 Credit from MATH 3800 or MATH 3806 be taken any time after 1st year.

1.5 credit from:
  PHYS 3308, 3606, 3802, 4707

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.