

Computational Biochemistry B.Sc. Honours

Year 1

Year 2

Year 3

Year 4/5



CHEM 1001, CHEM 1002
General Chemistry



BIOC 2200
Cellular Biochemistry



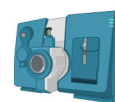
BIOC 2300
Physical Biochemistry



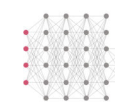
BIOC 3101 and 3102
General Biochemistry



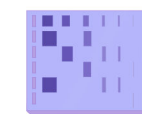
BIOC 3103 and 3104
Practical Biochemistry



BIOC 3202
Biophysical Techniques
and Applications



BIOC 3008
Bioinformatics



BIOC 4008
Computational Systems
Biology

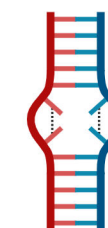


BIOL 1103, BIOL 1104
Foundations of Biology



BIOL 2104
Introductory Genetics

Options in BIOC, MATH, STAT:



BIOC 2400
Independent
Research

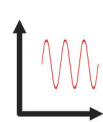
BIOC 4202
Mutagenesis
and DNA repair



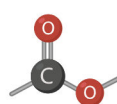
STAT 2509
Introduction
to Statistical
Modeling II

MATH 3800
Math
Modeling and
Comput Needs

Examples only.



MATH 1007, MATH 1107
Elementary Calculus I
and Linear Algebra



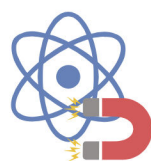
CHEM 2203, CHEM 2204
Organic Chemistry



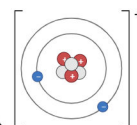
CHEM 2303
Analytical Chemistry



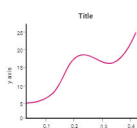
BIOL 3104
Molecular Genetics



PHYS 1007, PHYS 1008
Elementary University
Physics



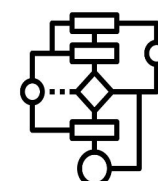
CHEM 2501
Bioinorganic Chemistry



MATH 2007
Elementary Calculus



STAT 2507
Intro to Stat Modeling



COMP 2401
Introduction to Systems
Programming

COMP 2402
Abstract Data Types and
Algorithms

Plus options in COMP

Honours project



BIOC 4907
Honours Essay and
Research Proposal



BIOC 4908
Research Project

0.5 credit from Free Electives

2.0 credits in Approved Courses Outside the Faculties of Science and Engineering (may include NSCI 1000)