

YEAR 1


CHEM 1008
Inquiry in Chemistry Research

CHEM 1011 & 1012
Enriched General Chemistry I & II



1.0–1.5 CREDITS IN:

MATH 1004
Calculus for Engineering or Physics

MATH 1107
Linear Algebra I

MATH 1005 OR 2007
Differential Equations and Infinite Series for Engineering or Physics



1.0 CREDIT FROM:

PHYS 1003
Introductory Mechanics and Thermodynamics

&

PHYS 1004
Introductory Mechanics and Thermodynamics I & II

PHYS 1007 & 1008
Elementary Physics I & II

YEAR 2


CHEM 2103 & 2104
Physical Chemistry I & II

CHEM 2203 & 2204
Organic Chemistry I & II

CHEM 2302 & 2303
Analytical Chemistry I & II

CHEM 2501
Introduction to Inorganic and Bioinorganic Chemistry



0.5–1.0 CREDIT IN:

MATH 1005 OR 2007
Differential Equations and Infinite Series for Engineering or Physics (if not taken in Year 1)

MATH 2008
Intermediate Calculus

YEAR 3


CHEM 3101
Quantum Chemistry

CHEM 3102
Methods in Computational Chemistry

CHEM 3201
Advanced Organic Chemistry I

CHEM 3503 & 3504
Inorganic Chemistry I & II

CHEM 3701
Chemistry in Practice for the 21st Century

0.5–1.0 CREDIT IN:

CHEM 3107
Experimental Methods in Nanoscience

CHEM 3205
Experimental Organic Chemistry

CHEM 3305
Advanced Analytical Chemistry Laboratory

CHEM 3400
Independent Research II



0–0.5 CREDIT FROM:

FOOD 4002
Analysis of Food Contaminants

YEAR 4


CHEM 4401
Physical Aspects of Biochemistry

HONOURS PROJECT (1.0 CREDIT)


CHEM 4907
Honours Essay and Research Proposal

CHEM 4908
Research Project and Seminar

1.0 credit in science (not CHEM)

2.0 credits in science at the 2000-level or higher

1.5 credits in approved courses outside the faculties of Science and Engineering and Design

1.0 credit in free electives



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