

BSc Chemistry (With Physics)

Faculty of Science and Agriculture

University of Zululand

BSc Chemistry

(With Physics)

(Qualification code **SCDEGF**)

This is a 3-year qualification consisting of 48 modules.

Year 1			
SFSK011 Life Skills	SSDP012 Descriptive Statistics and Probability	SDCA010 Introduction to computers and operating systems	SGEA014 Introduction to Earth Science
* SCGA011 General Chemistry	* SCPTA12 Physical Chemistry 1A	* SCITA13 Inorganic Chemistry 1A	* SCOTA14 Organic Chemistry 1A
* SMGA010 General Mathematics	* SMAL012 Algebra	* SMCSZ13 Calculus I	* SMCSZ14 Calculus II
* SPGA011 General Physics	* SPHM012 Introduction to Classical Mechanics	* SPHW013 Introduction to Wave Motion and Heat	* SPHE014 Introduction to Electricity and Magnetism
Year 2			
SMCSZ2A Calculus	SMCSZ2A Calculus	SPQP023 Quantum Physics	SPEM024 Electromagnetism
SPHN014 Introduction to Atomic and Nuclear Physics	SDWP010 Wordprocessing	SDSS010 Spreadsheets	SDIN010 Internet, email and web authoring
* SCATA21 Theoretical Analytical Chemistry 2	* SCITB22 Theoretical Inorganic Chemistry 2	* SCOTB23 Theoretical Organic Chemistry 2	* SCPTB24 Theoretical Physical Chemistry 2
* SCAPA21 Practical Analytical Chemistry 2	* SCIPA22 Practical Inorganic Chemistry 2	* SCOPA23 Practical Organic Chemistry 2	* SCPPA24 Practical Physical Chemistry 2
Year 3			
SPSS031 Solid State Physics	SPMO022 Modern Optics	SPNP023 Nuclear and Particle Physics	SPST034 Statistical Physics
SPCT021 Circuit Theory	SMLAA21 Linear Algebra I	SMDE024 Differential equations	SCZZ01 Elective
* SCPTC31 Theoretical Physical Chemistry 3	* SCATB32 Theoretical Analytical Chemistry 3	* SCITC33 Theoretical Inorganic Chemistry 3	* SCOTC34 Theoretical Organic Chemistry 3
* SCPPB31 Practical Physical	* SCAPB32 Practical Analytical	* SCIPB33 Practical Inorganic	* SCOPB34 Practical Organic

Chemistry 3

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Elective options for BSc Chemistry (With Physics)

Elective options for SCZZ01

CIRM01 Research methods CodeTitle

AEWS034 Writing a Research Paper