

BSC. MAJOR IN CHEMISTRY

The Department of Biological & Chemical Sciences offers a Single Major, Double Major and Minor in Chemistry.

Students will discover how they can:

- Fight disease
- Feed the world
- Protect the environment
- Innovate, e.g., drugs, cosmetics
- Inspire the next generation

Students must take twenty-four (24) Chemistry courses (i.e., 93 credits), which must be approved by the Faculty of Science and Technology.

Students will do courses in:

- Analytical Chemistry
- Environmental Chemistry
- Inorganic Chemistry
- Organic chemistry
- Physical Chemistry
- Supramolecular Chemistry

Provided below is a complete list of all the courses offered in the Major in Chemistry:

MAJOR IN CHEMISTRY:

LEVEL I (12 Credits)

CHEM1110 Introduction to Organic Chemistry
CHEM1120 Introduction to Physical Chemistry
CHEM1125 Introduction to Experimental Chemistry
CHEM1130 Introduction to Inorganic Chemistry

LEVELS II/III

LEVEL II (18 Credits)

CHEM2700 Intermediate Inorganic Chemistry
CHEM2705 Intermediate Organic Chemistry
CHEM2710 Intermediate Physical Chemistry
CHEM2715 Laboratory Methods in Chemistry I
CHEM2720 Laboratory Methods in Chemistry II
CHEM2730 Quantitative Chemical Analysis

LEVEL III (12 Credits)

CHEM3625 Laboratory Methods in Chemistry III

AND Six (6) Credits from:

CHEM3167 Advanced Inorganic Chemistry
CHEM3175 Advanced Organic Chemistry
CHEM3620 Advanced Physical Chemistry

AND Three (3) Credits from:

CHEM3630 Methods in Instrumental Analysis
CHEM3218 Environmental Chemistry and Toxicology*

*Students wishing to pursue this elective should ensure that they have the relevant Level II prerequisite course: CHEM2725 Chemistry of the Environment.

MINOR IN CHEMISTRY (Fifteen [15] Credits):

CHEM2715 Laboratory Methods in Chemistry I
CHEM2720 Laboratory Methods in Chemistry II
CHEM2700 Intermediate Inorganic Chemistry
CHEM2705 Intermediate Organic Chemistry
CHEM2710 Intermediate Physical Chemistry

Students can also enhance their learning experience by fully utilizing:

- Lab Skills Software
- NMR Spectrometers
- GC-MS Spectrometers
- LC-MS Spectrometers

If students want to advance their career as a:

- Conservatory Chemist
- Food Science Technician
- Medical Laboratory Technician
- Environmental Compliance Inspector
- Computational Chemist
- Chemical Engineer
- Science Journalist
- Forensic Scientist
- Chef
- Science Teacher
- Academic through a postgraduate programme

Then this degree is for you!

For further details about the Chemistry programme, contact Dr. Avril Williams, Head of the Department of Biological & Chemical Sciences via email at avril.williams@cavehill.uwi.edu, or via telephone at (246) 417-4342.