

CHEMISTRY - FORMULATION CHEMISTRY CONCENTRATION, B.S.

The Formulation Chemistry concentration prepares students for immediate jobs in manufacturing and quality control in biotech, pharmaceutical, industry, and cosmetic companies.

Students graduating with a Formulation Chemistry Concentration will be able to:

- Demonstrate knowledge of basic principles and theories in biology, analytical, organic, inorganic chemistry and biochemistry
- Apply chemical and biological principles through problem solving and laboratory experimentation
- Demonstrate competency in use of sophisticated laboratory instruments
- Generate, record and process experimental data and present that data in a variety of methods.

Code	Title	Hours
BIOL 150	Introduction to Biology I: Cells	4
BIOL 240	Genetics	4
BIOL 320	Microbiology	4
BIOL 360	Biochemistry	3
CHEM 150	Introduction to Chemistry I	4
CHEM 152	Introduction to Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
CHEM 250	Inorganic Chemistry	3
CHEM 310	Analytical Chemistry	4
CHEM 311	Instrumental Analysis in Chemistry	4
CHEM 401	Advanced Laboratory	3
CHEM 490	Chemistry Seminar	1
COMM 309	Technical Writing	3
MATH 150	Precalculus	3
MATH 220	Calculus I	3
MATH 232	Introduction to Statistics	3
PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
Total Hours		66