

CHEMISTRY (CHEM)

CHEM 1003 – Gen, Organic & Biochemistry **3 credit hours**

A survey of general, organic, and bio-chemistry, primarily for nursing and allied health.

Schedule type: Independent Study, Lecture, Web

CHEM 1100 – General Chemistry I **3 credit hours**

This course introduces the fundamentals of chemistry including properties of matter, nomenclature, structure of elements and compounds, laws, theories, general principles, and problem-solving techniques.

Pre-requisite(s): MATH 1300, MATH 1299

Schedule type: Independent Study, Lecture, Web

CHEM 1110 – General Chemistry I Lab **1 credit hour**

This accompanying laboratory emphasizes basic calculations and equations, laboratory safety, and fundamental chemical operations.

Corequisite: CHEM 1100 Lab Fee

Co-requisite(s): CHEM 1100

Schedule type: Independent Study, Laboratory, Web

CHEM 1200 – General Chemistry II **3 credit hours**

This course addresses topics in organic and inorganic chemistry, including oxidation reduction, acid-base chemistry, electrochemistry, ionic equilibrium, and properties of the groups of elements.

Pre-requisite(s): CHEM 1100

Schedule type: Independent Study, Lecture, Web

CHEM 1210 – General Chemistry II Lab **1 credit hour**

General Chemistry II Laboratory This accompanying laboratory uses experiments that include redox reactions, kinetic, equilibrium and thermochemical determinations, acid analysis, and synthesis of selected common compounds. Corequisite: CHEM 1200 Lab Fee

Co-requisite(s): CHEM 1200

Schedule type: Independent Study, Laboratory, Web

CHEM 2200 – Organic Chemistry I **3 credit hours**

Organic Chemistry I This course introduces the concept of carbon compounds and their differences from inorganic compounds. The structure, stereochemistry, reactivity, and synthesis of aliphatic compounds will be discussed. The concept of functional groups and their reactivity will be examined. An introduction to structure elucidation through spectroscopy will be included. 3.00 Lecture Hours 0.00 Lab Hours 3.00 Credit Hours Transferable PREREQUISITE: CHEM 1100 Level: Undergraduate

Louisiana Common Course Number: CCEM 2213

Pre-requisite(s): CHEM 1100

Schedule type: Independent Study, Lecture, Web

CHEM 2210 – Organic Chemistry Laboratory **1 credit hour**

Organic Chemistry Laboratory This accompanying lab course involves the preparation of compounds and reactions basic to organic chemistry. Emphasis on preparation, isolation, and purification of compounds will be examined. 0.00 Lecture Hours 3.00 Lab Hours 1.00 Credit Hour Transferable Co-REQUISITE: CHEM 2200 Lab Fee Level: Undergraduate

Louisiana Common Course Number: CCEM 2211

Co-requisite(s): CHEM 2200

Schedule type: Laboratory