

INTRODUCTORY CHEMISTRY COURSE SEQUENCES

Chemistry is a hierarchical subject, and it is important to be aware of prerequisites. This document will help you plan your studies.

COURSE SEQUENCE FOR SCIENTIFIC AND MEDICAL PROFESSIONAL CAREERS

College Algebra (Math 1006): In order to register for either Chem 1050 or 1200, you must have either completed Math 1006 at BC or been placed into a higher-level math course by Brooklyn College's Math Department. You need to contact the Math Department for placement.

Chem 1200&1201: General Chemistry I lecture and lab

Chem 1050: General Chemistry IA (lecture only)

Chem 2060&1201: General Chemistry IB lecture and Chemistry I lab

Chem 2200&2201: General Chemistry II lecture and lab

Math 1011 or 1012: Before registering for Chem 2200&2201, you must complete pre-calculus or be placed into a higher-level math course by the Brooklyn College Math Department.

Chem 2110: If you intend to take Chem 3511&12, you must take Chem 2110 before you do. It is recommended that you take Chem 2110 simultaneously with Chem 2200&2201. There are also usually Winter and Summer offerings of Chem 2110 if you prefer.

Chem 3511 & 3512: Organic Chemistry lecture and lab

Chem 3521 & 3522: Organic Chemistry lecture and lab

This organic chemistry sequence is required for a Biology BS degree and for Chemistry BA and BS degrees. It is also required for medicine, pharmacy, dentistry, and other medical professional programs.

Majors in Biology, Chemistry, Earth and Environmental Science, Kinesiology, and Physics all require at least some courses from this sequence. Students should consult the Brooklyn College bulletin and their departmental advisor for advice as to which specific courses they need.

COURSE SEQUENCE FOR ALLIED HEALTH PROFESSIONS

Chem 1040: General Chemistry for Health-related Professions

Chem 2500: Organic Chemistry for Health-related Professions

This course sequence is intended for pre-nursing and allied health professions. It is also required for some majors in Health and Nutrition Sciences. HNS students should contact their departmental advisor concerning their requirements.