

# Sample Prerequisite Sequences for the CSB Science Requirement:

The following is a necessarily incomplete list of sequences of courses that satisfy the requirement: *"two courses are in a laboratory science with the first course prerequisite to the second course."* The exact set of courses depends on what each science department offers each semester.

Any course used for the science requirement must have an "NS" designation in the catalog (and there are some CHM, BIOS, and EES courses that are not "NS" but rather "ND," meaning "not designated"). The sum of all the NS-designated science credits must be at least 12.

We list here only courses that contribute to a prerequisite sequences. These sequences add up to between 7 and 9 credits. The remaining credits to reach a total of 12 may consist of any NS-designated courses.

## Biology

CHM 30 Introduction to Chemical Principles (4, includes a lab), BIOS 41 Biology Core I: Cellular and Molecular (3)

## Chemistry

CHM 030 Introduction to Chemical Principles (4, includes a lab), CHM 031 Chemical Equilibria in Aqueous Systems (4)

CHM 030 Introduction to Chemical Principles (4, includes a lab), CHM 110 Organic Chemistry (3) [CHM 111]

CHM 030 Introduction to Chemical Principles (4, includes a lab), BIOS 041 Biology Core I: Cellular and Molecular (3)

CHM 040 Concepts, Models & Experiments (4, includes a lab), CHM 41 Concepts, Models & Experiments II (4, includes a lab)

CHM 040 Concepts, Models & Experiments (4, includes a lab), CHM 110 Organic Chemistry (3) [CHM 111],

CHM 040 Concepts, Models & Experiments (4, includes a lab), BIOS 041 Biology Core I: Cellular and Molecular (3)

## Physics [ ] indicates optional 1-credit lab

PHY 011 Introductory Physics I (4) [ PHY 012],  
PHY 021 Introductory Physics II (4) (note that  
PHY 021 has a prerequisite of MATH 022)

PHY 010 General Physics I (4) [PHY 012], PHY  
13 General Physics (3)

PHY 011 Introductory Physics I (4) [ PHY 012],  
PHY 013 General Physics (3)

## Earth and Environmental Science

EES 021 Introduction to Planet Earth (3)  
plus lab EES 022 Exploring Earth (1) followed  
by EES 131 Introduction to Rocks and  
Minerals (4)

EES 025 The Environment and Living Systems (3)  
plus lab EES 022 Exploring Earth (1) followed  
by EES 152 Ecology (4)

EES 028 Conservation and Biodiversity (3)  
plus lab EES 022 Exploring Earth (1) followed  
by EES 152 Ecology (4)

Students who are minoring in EES may take a two-course sequence starting with EES 080, but that course is open only to EES majors and minors.