

Brief Course Description	This Chemistry Course is designed to allow students to become familiar with the basic facts, concepts, and terminology of chemistry, which are essential to understanding biological phenomena.	
Course Prerequisites	<ul style="list-style-type: none"> • Pediatric Nutrition • Adult Nutrition • Geriatric Nutrition • Fundamentals of Holistic Nutrition 1 • Nutritional Symptomatology • Environmental Pollution • Preventative Nutrition • Allergies and Nutrition • Human Anatomy • Human Physiology • Biological Studies • Fundamentals of Holistic Nutrition II • Fundamentals of Holistic Nutrition IIIA • Fundamentals of Holistic Nutrition IIIB • Nutritional Pathology • Psycho Nutrition 	
Textbooks Required for this Course	An Introduction to Chemistry for Biology Students by G.I Sackheim	
Equipment Required for this Course	N/A	
Course Duration	Course is self paced, distance education. Approximately 50 hours of study.	
Homework Hours	None.	
Delivery Methods	Indicate how the course is delivered: <input type="checkbox"/> <i>On-site delivery.</i> <input checked="" type="checkbox"/> <i>Distance delivery.</i> <input type="checkbox"/> <i>Combined delivery (on-site and distance.)</i>	
Instructional Method	Method of Delivery. (reflect all methods used.) Distance Education.	Contact Hours. Monday-Friday, 9am to 5pm

Learning Objectives/Outcomes	<p>Upon completion of this course the successful student will have reliably demonstrated the ability to:</p> <p>After this course, the student will understand the basic principles of chemistry, and will be able to knowledgably apply them to biological principles.</p>
Student Progress/Assessment Methods	<p>Students are assessed based on an open book examination at the end of the course, which is then submitted for marking.</p> <p>Students must score 80% to be considered successful.</p>
Attendance Expectations	N/A
Dress Expectations (if applicable)	N/A

Course Details

The following topics are covered in this course, summarizing the subject matter sufficient to achieve the learning outcomes for the course.

Lesson:	Topics Covered
1	Atomic Structure
2	Chemical Symbols
3	Atoms and Molecules
4	Ionization
5	Liquid Mixtures
6	Diffusion and Osmosis
7	Nerve Cells
8	The Covalent Bond
9	Polar and Nonpolar Covalent Bonds
10	Functional Groups in Organic Compounds
11	Hydrogen Bonds
12	Isomers

