



General, Organic & Biochemistry

Learn about the significant connections between chemistry and health, disease, and the treatment of disease.

General, Organic, & Biochemistry outlines key concepts and highlights the significant connections between chemistry and health. Learn about the metabolism of lipids and carbohydrates, the role of cholesterol, and other fundamentals of chemistry specific to health-related concerns.

This course has been written at a level intended for students whose professional goals do not include a mastery of chemistry, but for whom an understanding of the principles and practice of chemistry is a necessity.

“Without the basics of chemistry, my understanding of nutrition would have been incomplete. I no longer feel that way with my General, Organic, & Biochemistry certificate.”

Tracy Newton, Nutritional Consultant

Highlights:

- ▶ the General, Organic, & Biochemistry certificate is a co-requisite for the Nutritional Consulting Diploma program
- ▶ only 9 months or less required to complete the course
- ▶ course fee is tax deductible
- ▶ accredited, distance education
- ▶ includes lesson tests
- ▶ provides full access to the Online Learning Centre
- ▶ includes *General, Organic, & Biochemistry* text book by Katherine J. Denniston, Joseph A. Topping, and Robert L. Caret
- ▶ includes certificate and shipping within Canada

Ideal for:

science enthusiasts focusing on health and wellness, health practitioners, health care providers, nutritionists, health educators, health writers

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| Lesson 1 —Chemistry: Methods and Measurement | Lesson 11 —The Unsaturated Hydrocarbons: Alkenes, Alkynes, and Aromatics |
| Lesson 2 —The Structure of the Atom and the Periodic Table | Lesson 12 —Alcohols, Phenols, Thiols, and Ethers |
| Lesson 3 —Structure and Properties of Ionic and Covalent Compounds | Lesson 13 —Aldehydes and Ketones |
| Lesson 4 —Calculations and the Chemical Equation | Lesson 14 —Carboxylic Acids and Carboxylic Acid Derivatives |
| Lesson 5 —States of Matter: Gases, Liquids, and Solids | Lesson 15 —Amines and Amides |
| Lesson 6 —Solutions | Lesson 16 —Carbohydrates |
| Lesson 7 —Energy, Rate, and Equilibrium | Lesson 17 —Lipids and Their Functions in Biochemical Systems |
| Lesson 8 —Acids and Bases and Oxidation-Reduction | Lesson 18 —Protein Structure and Function |
| Lesson 9 —The Nucleus, Radioactivity, and Nuclear Medicine | Lesson 19 —Enzymes |
| Lesson 10 —An Introduction to Organic Chemistry: The Saturated Hydrocarbons | Lesson 20 —Introduction to Molecular Genetics |
| | Lesson 21 —Carbohydrate Metabolism |
| | Lesson 22 —Aerobic Respiration and Energy Production |
| | Lesson 23 —Fatty Acid Metabolism |

Contact our admissions officers today!

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ACADEMY
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Education for the healthy mind.

Enrollment form: General, Organic, & Biochemistry

This form must be completed and signed by the student or legal guardian.

Personal information Name (Mr/Mrs/Ms/Dr)			
Address			
City		Prov/State	Postal code/ZIP
Telephone	Fax	Email	
Company name			Title/position
Telephone	Fax	Email	
Guided learning <input type="checkbox"/>		Online learning <input type="checkbox"/>	
Course binder with notes and tests/reference materials/certificate: \$525.00		Access to notes and tests/reference materials/certificate: \$495.00	
Total price including GST / HST (if applicable): \$556.50 / \$598.50		Total price including GST / HST (if applicable): \$524.70 / \$564.30	
<input type="checkbox"/> I would like to pay in 3 equal installments using the 3-Payment Plan:			
Guided learning		Online learning	
Total price including GST / HST (if applicable): 3 x \$185.50 = \$556.50 / 3 x \$199.50 = \$598.50		Total price including GST / HST (if applicable): 3 x \$174.90 = \$524.70 / 3 x \$188.10 = \$564.30	
Terms of the 3-Payment Plan			
(a) Payments will be made to the alive Academy of Natural Health.		and the following two payments will be charged on or after the same calendar day of the two subsequent months.	
(b) Payments must be made monthly. If paying by cheque, the alive Academy of Natural Health must receive the initial payment and two post-dated cheques for the balance of payments, dated for the same calendar day of the two subsequent months as the initial payment. If paying by credit card, the first payment will be charged on the date of sale		(c) The first payment must be received by the alive Academy of Natural Health before course materials are shipped.	
		(d) There will be a \$25.00 charge for NSF cheques or declined credit card payments.	
Enroll me in General, Organic, & Biochemistry Make cheque/money order payable to the alive Academy of Natural Health			
Amount:	<input type="checkbox"/> Visa	<input type="checkbox"/> Mastercard	<input type="checkbox"/> Cheque <input type="checkbox"/> Money Order
Credit card number:	Expiry date:		
Cardholder's name:	Signature:		
International students must pay fees in US dollars			
Refund policy		Refunds after the course starts:	
The duration of the course is 32 weeks (approximately eight months). An additional month is provided to register for and write the final exam. Refunds will only be issued upon return of all materials.		(a) If written notice of withdrawal is received by the alive Academy of Natural Health or a student is dismissed within 10% of the course's/program's duration, the alive Academy of Natural Health may retain 30% of the total fees due under the contract.	
Refunds before the course starts:		(b) If written notice of withdrawal is received by the alive Academy of Natural Health or a student is dismissed within 30% of the course's/program's duration, the alive Academy of Natural Health may retain 50% of the total fees due under the contract.	
(a) If written notice of withdrawal is received by the alive Academy of Natural Health less than seven (7) calendar days after the contract is signed and before the course/program start date, the alive Academy of Natural Health may retain the lesser of 10% of the total fees due under the contract or \$100.00.		(c) If written notice of withdrawal is received by the alive Academy of Natural Health or a student is dismissed after 30% of the course's/program's duration, no refund will be issued.	
(b) If written notice of withdrawal is received by the alive Academy of Natural Health thirty (30) calendar days or more before the course/program start date, the alive Academy of Natural Health may retain 10% of the total fees due under the contract.		Additional policies of the alive Academy of Natural Health are available upon request.	
(c) If written notice of withdrawal is received by the alive Academy of Natural Health less than thirty (30) calendar days before the course/program start date, the alive Academy of Natural Health may retain 20% of the total fees due under the contract.			
I declare that I understand and agree to all terms and conditions in this document.			
Signed: (Student/legal guardian)		Date:	
Office use only Start date:	Completion date:	Signed:	Student number: