This course supports the performance assessment tasks for Biochemistry.

**Introduction**

**Overview**
Biochemistry covers the structure and function of the four major polymers produced by living organisms. These include nucleic acids, proteins, carbohydrates, and lipids.

This course focuses on application! Be sure to understand the underlying biochemistry in order to grasp how it is applied. By successfully completing this course, you will gain an introductory understanding of the chemicals and reactions that sustain life. You will also begin to see the importance of this subject matter to health.

**Your Course**
Complete "Biochemistry" in WileyPlus. Plan to complete one unit within the assignments tab each week.

Launch Course

**Teaching Dispositions Statement**
Please review the [WGU Statement of Teaching Dispositions.](#)

**Additional Support**

The information in this section is provided to detail the resources available for you to use as you complete this course.

**Supplemental Learning Resources**

**Thinkwell Biochemistry**
This web-based resource includes multimedia video lectures, review notes, interactive animations, and sample exercises.

**Chemistry Refresher**
section 2.1 ("An Introduction to Atoms")
section 2.2 ("Atoms and Bonding")
section 2.3 ("Properties of Water")

Task 1: Nucleic Acids

section 2.4 ("Carbon Chemistry")
section 6.4 ("Events of DNA Replication")
section 9.7 ("Inheritance Patterns")
section 2.6 ("Lipids and Nucleic Acids")
section 3.1 ("An Introduction to Cell Biology")
section 3.2 ("Membrane-Bound Organelles")

Task 2: Proteins

section 2.7 ("Proteins")
section 2.8 ("Enzymes")
section 2.9 ("Enzyme Action")
section 4.3 ("Aerobic Respiration")
section 12.4 ("Gas Exchange and Transport Systems")

Task 3: Metabolism

section 2.5 ("Carbohydrates")
section 2.6 ("Lipids and Nucleic Acids")
section 3.1 ("An Introduction to Cell Biology")
section 3.2 ("Membrane-Bound Organelles")
section 3.4 ("The Plasma Membrane")
section 4.2 ("Glycolysis and Fermentation")
section 4.4 ("The Electron Transport Chain and Oxidative Phosphorylation")

Supplemental Readings

Biochemistry: APA Formatting and Originality provides generally-useful APA advice, information on the TurnItIn software integrated in TaskStream, and tips on citing the learning resources in this course.

Biochemistry for Dummies is available from the WGU Library. This is a handy reference book even for non-dummies!

Mentor Support
Cohorts

A cohort guides you through the material by providing daily checklists that organize the activities and help you complete the task in 4-5 days. Check availability and register for a
cohort at the Biochemistry Cohort Sign-Up Form.

Contact a Mentor

Please see the following document for a schedule of when your course instructors are available to take your call:

- “Biochemistry CM Office Hours”

If you would like to schedule an appointment with one of your course instructors, you can do so by accessing the team calendar.

Live Events-Biochemistry

Access to Live Events

- Teleconference Line: 1-855-810-8948
- Pass Code: 772313#
- Webinar and Q&A Link

Please join the webinar or Q&A by entering your full name into the guest field.

Student Support

WGU values your input! Please submit any feedback you have using the following form:

Access the WGU Library 24 hours a day, 7 days a week:

Visit the Student Success Center to access a variety of topics that will help you succeed at WGU:
Contact the WGU Writing Center for help with any part of the writing or revision process: