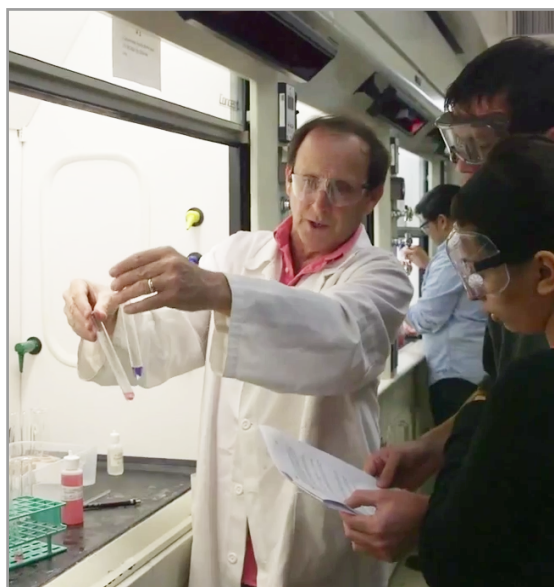




Day, evening, and weekend classes with  
award winning instructors and  
state of the art facilities.



There is no better place to get started.  
There is no better time to start.

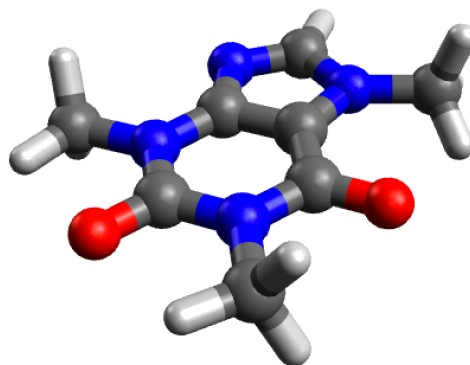
ICANBECOME.ORG



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# CHEMISTRY

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Getting started with science and  
technology begins with the central  
science of chemistry.

There are three pathways into the  
science of chemistry. Which is the  
best choice for your goals?

CANSCITECH@SMCCD.EDU

## CAÑADA COLLEGE

Science & Technology

4200 Farm Hill Blvd, Redwood City, CA 94061

Building 18 Room 109

(650) 306-3291

[www.canadacollege.edu](http://www.canadacollege.edu)

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# CHEMISTRY

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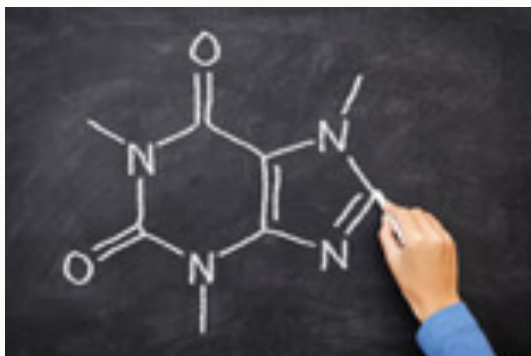
at Cañada College

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Before you study solar systems and  
stars, you start with helium and  
hydrogen. If you want to know  
nutrition and respiration, you  
begin with carbon and oxygen.  
Skyscrapers stand because of iron  
and the semiconductor industry is  
the business of silicon. For most  
college students, the first  
collegiate science course is  
chemistry.





Starting in summer of 2017, Cañada College will offer a new course designed to prepare students for collegiate chemistry. Preparation for Chemistry will serve students seeking to bolster their experience in general science before taking on the challenge of collegiate chemistry and will be particularly useful to those considering general chemistry.

## CHEM 680

### PREPARATION FOR CHEMISTRY

A class that helps students understand and apply scientific method, knowledge theory, measurement, unit systems, conversion factors, significance, uncertainty, and dimensional analysis. It shows how to clearly and effectively express proof of conclusions on exams and in lab reports. Preparation for chemistry provides historical examples and context for the first discoveries, the great experiments and the fundamental laws on which modern chemistry is based.



# YOUR FIRST CHEMISTRY CLASS

There are three “first” college chemistry classes. Each serves as an introduction to the central science of chemistry and covers many of the same topics. However the purpose, context, pace, and goals of students taking them are very different. There is also a valuable “before” chemistry course to consider — Preparation for Chemistry.

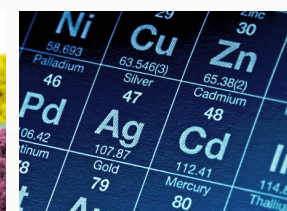


## INTRODUCTORY CHEMISTRY CHEM 192

Introductory or elementary chemistry is a solid introduction to the foundation topics of chemistry. It meets general education requirements for science, is transferable to UC and CSU systems, and meets the requirements for RadTech and other certifications. This one semester 4 unit class with lab is a good general purpose introduction to chemistry.



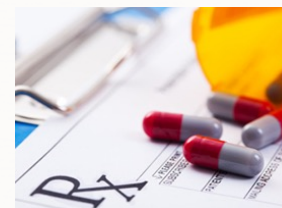
What makes one substance different from the next?



118 elements produce over 50 million unique substances.

## HEALTH CHEMISTRY CHEM 410

Covering many of the topics of introductory chemistry and adding more in organic and biochemistry, it is often described as GOB (general, organic & bio) chemistry. With a targeted and rapid-paced presentation designed to support students with goals in nursing, PT or PA programs, this one semester 4 unit class with lab is a unique option for students in the health care industry.



Medicine is applied chemistry.



Respiration, nutrition, blood function are all chemical reactions.

## GENERAL CHEMISTRY CHEM 210/220

The most challenging first chemistry course is the general chemistry series which provides an in-depth and robust foundation required for most STEM programs. General chemistry will cover topics from atomic theory through quantum mechanics and requires strong algebra skills and a solid foundation in general science. This is a two semester series of 5 unit classes with lab.



Understanding reactivity and chemical change.



A practical discussion of atomic theory and quantum mechanics.