

Foreword

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General College Chemistry was created to serve as the textbook for the first semester general chemistry course at Brigham Young University (BYU). The contents are derived from open education resources including OpenStax, LibreTexts, and content created by the author and released into the public domain. Any content that does not come directly from OpenStax and LibreTexts (which have specific licensing and attribution statements) is licensed under the CC-BY-SA license.

The chapters are organized by the day of class that they correspond to; a standard semester at BYU has 42 class days, so there are 41 chapters, reserving one day for a holiday or review. At the end of each chapter, there are additional resources housed on google drive that contain pdf files of lecture slides for use by the instructor, participation worksheets for use by students working in groups during class, and problem sets of practice problems and exercises for students to complete after class or after reading the textbook chapter.

The author, Dr. Rebecca Sansom, is an Associate Professor of Chemistry and Biochemistry at BYU. She has taught at BYU since 2014. Dr. Sansom was the recipient of the Outstanding Teaching Award from the BYU College of Physical and Mathematical Sciences in 2022. This award provided funding to develop the ancillaries and support several undergraduate students, including Mikaela Anderson, Andrea Augustus, Amanda Carlson, and Elia Hafen, who assisted in that process. Many of the practice problems were derived from earlier versions created by other faculty members at BYU. The online General College Chemistry book was built and constructed by Abby Boekweg, a graduate student in the Instructional Psychology and Technology department at BYU as part of her Master's project. We gratefully acknowledge her effort, care, and diligence in preparing this text for use by students.

Instructors who wish to adopt and use this text in their classrooms may contact the author, Dr. Rebecca Sansom, at rsansom@chem.byu.edu to get access to instructor PowerPoint files, word document versions of participation and problem sets, and answer keys for the problem sets. Be sure to use your institutional email and include a link to the institution's website showing that you are an instructor there. If there are errors that you would like to report, please contact Dr. Sansom at the email given above with sufficient detail to explain where the error is located in the book, and what content you find problematic.

Thank you for your interest in using *General College Chemistry*. We hope that it will help you on your chemistry learning journey.





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Dr. Rebecca Sansom is an associate professor of chemistry at Brigham Young University. Prior to her work at BYU, she served as an Albert Einstein Distinguished Educator Fellow at the National Science Foundation in the Division of Undergraduate Education, after teaching high school chemistry and biology for several years. Dr. Sansom earned her PhD in Educational Inquiry, Measurement, and Evaluation at Brigham Young University. She also completed an MEd in Educational Leadership at Southern Utah University after her AM in Chemistry and Chemical Biology from Harvard University and BA in Chemistry from Boston University.



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