

Bachelor of Science

We are pleased to provide a curated list of Open Educational Resources for the Basic Sciences subjects common to multiple academic programmes. These are only for the purpose of additional readings and support classroom interactions.

Physics

Pasquale, A. J., Fazzini, D. R., & Bennett, C. (2024). *Conceptual physics*. College of DuPage Digital Press. OER Commons. <https://cod.pressbooks.pub/physics1100/>. License: CC BY-NC.

OpenStax. (2026). *College physics 2e*. OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/college-physics-2e_-_WEB.pdf. License: CC BY-NC.

Mathematics

Abramson, J. (2026). *Algebra and trigonometry* (2nd ed.). OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/algebra-and-trigonometry-2e_-_WEB.pdf. License: CC BY-NC-SA 4.0.

Kirk, D. (2023). *Contemporary mathematics*. OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/contemporary-mathematics_-_WEB.pdf. License: CC BY-NC-SA 4.0.

Strang, G., & Herman, E. J. (2016). *Calculus* (Vol. 1). OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/calculus-volume-1_-_WEB.pdf. License: CC BY-NC-SA 4.0.

Strang, G., & Herman, E. J. (2016). *Calculus* (Vol. 2). OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/calculus-volume-2_-_WEB.pdf. License: CC BY-NC-SA 4.0.

Strang, G., & Herman, E. J. (2016). *Calculus* (Vol. 3). OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/calculus-volume-3_-_WEB.pdf. License: CC BY-NC-SA 4.0.

Trench, W. F. (2013). *Elementary differential equations with boundary value problems*. A.T. Still University. <https://open.umn.edu/opentextbooks/textbooks/elementary-differential-equations-with-boundary-value-problems>. License: CC BY-NC-SA.

Chemistry

Anonymous. (2026). *Beginning chemistry (Ball)*. Chemistry LibreTexts.

[https://chem.libretexts.org/Bookshelves/Introductory_Chemistry/Beginning_Chemistry_\(Ball\)](https://chem.libretexts.org/Bookshelves/Introductory_Chemistry/Beginning_Chemistry_(Ball)). License: CC BY-NC-SA.

Ball, D. W. (2011). *Introductory chemistry*. Saylor Foundation. Open Textbooks.

https://saylordotorg.github.io/text_introductory-chemistry/. License: CC BY-NC-SA.

Flowers, P., Theopold, K., Langley, R., & Robinson, W. R. (2019). *Chemistry 2e*. OpenStax, Rice University.

https://assets.openstax.org/oscms-prodcms/media/documents/chemistry-2e_-_WEB.pdf.

License: CC BY-NC-SA 4.0.

McMurry, J. (2023). *Organic chemistry: A tenth edition*. OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/organic-chemistry_-_WEB.pdf. License: CC BY-NC-SA 4.0.

Biology

Clark, M. A., Douglas, M., & Choi, J. (2018). *Biology 2e*. OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/Biology-2e_-_WEB.pdf.

Licensed under CC BY 4.0.

Fowler, S., Roush, R., & Wise, J. (2023). *Concepts of biology*. OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/Concepts-Biology_-_WEB.pdf. Licensed under CC BY 4.0.