

Bachelor of Pharmacy and Diploma in Pharmacy

We are pleased to provide a curated list of open educational resources for the Bachelor of Pharmacy and Diploma in Pharmacy programme. These are only for the purpose of additional readings and support classroom interactions.

Human Anatomy and Physiology

Betts, J. G. et al. (2022). *Anatomy and physiology 2e*. OpenStax.

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

Nolan, M. F., & McNamara, J. P. (2022). *Applied human anatomy*. Virginia Tech Publishing Pressbooks. <https://open.umn.edu/opentextbooks/textbooks/applied-human-anatomy>. License: CC BY 4.0.

NSCC, Carter, K., Rutherford, M., & Douglas College Biology Department. (2023). *Anatomy, physiology and medical language*. Atlantic OER.

<https://pressbooks.atlanticoer-relatlantique.ca/medicallanguage/>. License: CC BY 4.0.

Liachovitzky, C. (2015). *Human anatomy and physiology preparatory course*. CUNY Academic Works.

https://academicworks.cuny.edu/cgi/viewcontent.cgi?article=1048&context=bx_oers.

License; CC BY-NC-SA 4.0.

Pharmaceutical Analysis

Harvey, D. T. (2016). *Analytical chemistry 2.1*. LibreTexts Chemistry.

[https://chem.libretexts.org/Bookshelves/Analytical_Chemistry/Supplemental_Modules_\(Analytical_Chemistry\)](https://chem.libretexts.org/Bookshelves/Analytical_Chemistry/Supplemental_Modules_(Analytical_Chemistry)). License: CC BY-NC-SA 4.0.

Pharmaceutics

Boruah, P. (2026). *Introduction to pharmaceutics and dosage forms*. In *Integrated Pharmacy Textbook: A Complete Guide to the Core Pharmaceutical Sciences*. IIP Series.

<https://www.iipseries.org/viewpaper.php?pid=8414&pt=introduction-to-pharmaceutics-and-dosage-forms>. License: CC BY 4.0.

Pharmaceutical Organic Chemistry

de Araujo, E. D., et al. (2024). *Pharmaceutical chemistry of molecular therapeutics*. eCampusOntario Open Library.

<https://ecampusontario.pressbooks.pub/pharmaceutics/>. License: CC BY-NC 4.0.

Harunrashid, P. S., Poulkar, S. V., et al. (2024). *Pharmaceutical organic chemistry–I*. Zenodo.

<https://zenodo.org/records/13786254>. License: CC BY 4.0.

Nichols, L. (n.d.). *Organic chemistry lab techniques*. LibreTexts.

[https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Organic_Chemistry_Lab_Techniques_\(Nichols\)](https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Organic_Chemistry_Lab_Techniques_(Nichols)). License: CC BY 4.0.

Biochemistry

Ahern, K., & Rajagopal, I. (n.d.). *Biochemistry free & easy*. Oregon State University. LibreTexts Biology.

[https://bio.libretexts.org/Bookshelves/Biochemistry/Book%3ABiochemistry_Free_and_Easy_\(Ahern_and_Rajagopal\)](https://bio.libretexts.org/Bookshelves/Biochemistry/Book%3ABiochemistry_Free_and_Easy_(Ahern_and_Rajagopal)). License: CC BY-NC-SA 4.0.

Ahern, K., Rajagopal, I., & Tan, T. (n.d.). *Biochemistry free for all*. Oregon State University. LibreTexts Biology.

[https://bio.libretexts.org/Bookshelves/Biochemistry/Book%3ABiochemistry_Free_Fo_r_All_\(Ahern_Rajagopal_and_Tan\)](https://bio.libretexts.org/Bookshelves/Biochemistry/Book%3ABiochemistry_Free_Fo_r_All_(Ahern_Rajagopal_and_Tan)). License: CC BY-NC-SA 4.0.

Jakubowski, H., & Flatt, P. M. (n.d.). *Fundamentals of biochemistry*. LibreTexts Biology.

[https://bio.libretexts.org/Bookshelves/Biochemistry/Fundamentals_of_Biochemistry_\(Jakubowski_and_Flatt\)](https://bio.libretexts.org/Bookshelves/Biochemistry/Fundamentals_of_Biochemistry_(Jakubowski_and_Flatt)). License: CC BY-NC-SA 4.0.

Pathophysiology

Binks, A. (2022). *Pulmonary pathophysiology for pre-clinical students*. Virginia Tech Publishing Pressbooks. Open Textbook Library.

<https://open.umn.edu/opentextbooks/textbooks/pulmonary-pathophysiology-for-pre-clinical-students>. License: CC BY 4.0.

Soon, Z. (n.d.). *Pathophysiology*. British Columbia/Yukon Pressbooks.

<https://pressbooks.bccampus.ca/pathophysiology/>. License: CC BY-NC-SA 4.0.

Computer Applications in Pharmacy

Bolling, T., Mitchell, A., Scott, T., & Wheeler, N. (2024). *Workplace software skills*. OpenStax.

https://assets.openstax.org/oscms-prodcms/media/documents/Workplace_Software_and_Skills_-_WEB_IfJtcP.pdf. License: CC BY 4.0.

Franchitti, J.-C., et al. (2025). *Introduction to computer science*. OpenStax.

https://assets.openstax.org/oscmsprodcm/media/documents/Introduction_To_Computer_Science_-_WEB.pdf. License: CC BY 4.0.

Rusu, A., Ledgerwood, A., Long, A., Maye, H., & Evans, J. (2022). *Computer applications*. LOUIS: The Louisiana Library Network.

<https://louis.pressbooks.pub/computerapplications/>. License: CC BY 4.0.

Odisha State Open University. (2021). *Data analysis and computer application: Computer fundamentals (SEC-2, Block 1)*. OSOU OER Repository.

<https://drive.google.com/file/d/1mZCRn1PIQfyeidbS57C2gFPu13FPG6LD/view>.

License: CC BY-SA 4.0.

Odisha State Open University. (2021). *Data analysis and computer application:*

Fundamentals of word processing and PowerPoint (SEC-2, Block 2). OSOU OER Repository.

https://drive.google.com/file/d/1dAPB20yj_T4OGQI6RcfFUdAImeZGzUob/view.

License: CC BY-SA 4.0.

Pharmaceutical Microbiology

Ahern, H. (2018). *Microbiology: A laboratory experience*. Open SUNY Textbooks.

<https://milnepublishing.geneseo.edu/suny-microbiology-lab/>. License: CC BY-NC-SA 4.0.

Beachboard, D. C. (2022). *DeSales microbiology*. Pressbooks.

<https://oer.pressbooks.pub/microbiology/>. License: CC BY-NC 4.0.

- Bruslind, L. (2019). *General microbiology*. Oregon State University.
<https://open.oregonstate.education/generalmicrobiology/>. License: CC BY-NC 4.0.
- Douglas College Biology Department. (n.d.). *Introduction to microbiology for health sciences*. BCcampusPressbooks.
<https://pressbooks.bccampus.ca/introductiontomicrobiologyforhealthsciences/>.
License: CC BY 4.0.

Pharmaceutical Engineering

- Gan, J. (2026). *Pharmaceutical engineering: Student guide*. Prep4Uni.online. MERLOT.
<https://prep4uni.online/stem/physical-technologies/biomedical-engineering/pharmaceutical-engineering/>. License: CC BY 4.0.
- Power, S. (2025). *The role of engineers in the pharmaceutical industry: Ensuring quality, safety, and innovation*. engrXiv. <https://engrxiv.org/preprint/view/5541>. License: CC BY 4.0.

Medicinal Chemistry

- de Araujo, E. D., et al.(2024). *An introduction to medicinal chemistry & molecular recognition*. eCampusOntario Open Library.
<https://ecampusontario.pressbooks.pub/medicinalchemistry/>. License: CC BY-NC 4.0.
- NFDI4Chem. (2026). *Medicinal chemistry*. NFDI4Chem Knowledge Base.
https://knowledgebase.nfdi4chem.de/knowledge_base/docs/pharmaceutical_chemistry/.
License: CC BY-SA 4.0.

Pharmacology

- Open Resources for Nursing. (2020). *Nursing pharmacology*. WisTech Open.
<https://wtcs.pressbooks.pub/pharmacology/>. License: CC BY 4.0.
- Chippewa Valley Technical College, Egert, A., Lee, K., & Gill, M. (2023). *Fundamentals of nursing pharmacology – 1st Canadian edition: A conceptual approach*. BCcampus.
<https://opentextbc.ca/nursingpharmacology/>. License: CC BY 4.0.
- Cleveland, J. L., Binks, A. P., & LeClair, R. J. (2025). *Microbiology, pharmacology, and immunology for pre-clinical students*. Pressbooks.
<https://pressbooks.lib.vt.edu/micropharmimmuno/>. License: CC BY 4.0.
- El-Fakahany, E., & Merkey, B. (Eds.). (n.d.). *Principles of pharmacology – Study guide*. University of Minnesota Libraries. Pressbooks.
<https://open.lib.umn.edu/pharmacology/>. License: CC BY-NC 4.0.