

Introduction to Life Sciences

Discover Brunel

We're delighted to be thinking about studying at Brunel University.

Our Introduction to Life Sciences programme is designed to help you develop the skills and knowledge you need to succeed in your studies. You will learn about the structure and function of cells, the flow of genetic information, and the role of proteins in the cell. You will also learn about the structure and function of the human body, and the role of the brain in behaviour. The programme is delivered through a combination of lectures, seminars, and practical work.

Reading list

Biochemistry: Berg, J.M., Tymoczko, J.L., Stryer, L. (2015) *Biochemistry*, 6th edn. W.H. Freeman & Co.

Molecular and Cellular Biology: Alberts, B., Johnson, A., Lewis, J., Raff, M., Roberts, C., Walter, P. (2014) *Molecular Biology of the Cell*, 6th edn. Garland Science.

Anatomy and Physiology: Tortora, G.J., Derrickson, B. (2012) *Principles of Anatomy and Physiology*, 12th edn. Elsevier.

Cognitive Psychology: Eysenck, M.W., Keirstead, J. (2010) *Cognitive Psychology*, 2nd edn. Psychology Press.

Biosphere and Ecology: Raven, P.H., Ecolin, M., Bergelson, J. (2015) *Ecology: The Experimental Analysis of Distribution and Abundance*, 10th edn. Sinauer Associates.

Sample lecture/reports/assignments

- Biochemistry:** H. The structure and function of proteins.
- Molecular and Cellular Biology:** H. The structure and function of cells.
- Physiology:** D. The structure and function of the human body.
- Psychology:** H. The structure and function of the brain.
- Biosphere and Ecology:** E. The structure and function of ecosystems.



Statistics in Life Science

LB
LB
KB

