

## Section 2 - Connect with your University



### Reading List – Chemistry

#### Online Lectures

This year's Faraday lecture from The Royal Society, The Elements of Chemistry.

<https://royalsociety.org/science-events-and-lectures/2020/02/faraday-lecture/>

Is Chemistry really so difficult?

<https://royalsociety.org/science-events-and-lectures/2015/02/faraday-prize-lecture/>

The origins of the elements to celebrate the 150<sup>th</sup> anniversary of the Periodic table.

<https://www.gresham.ac.uk/lectures-and-events/periodic-table-150>

#### Online courses

Here are some websites that offer short online courses related to Chemistry which you could try:

<https://www.futurelearn.com/subjects/science-engineering-and-maths-courses/chemistry>

<https://www.coursera.org/courses>

<https://www.open.edu/openlearn/science-maths-technology/science/chemistry>

#### Reading list

If you want to get ahead with your reading, here are some common undergraduate books featured on many university reading lists;

- ATKINS, P and Julio de Paula., 2009. Atkins' physical chemistry. Oxford University Press.
- SHRIVER, D.F. and Atkins, P.W., 2009. Inorganic Chemistry. Oxford University Press.
- J Clayden, N Greeves, S Warren and P Wothers., Organic Chemistry

#### Useful skills to prepare you for undergraduate study

1. Making, reviewing & learning notes

It is important to develop your own note taking style – you will not be able to write down every word during a lecture!

<https://www.oxbridgeessays.com/blog/master-lecture-notes-tips-really-work/>

2. Applying theory to problems

<https://edu.rsc.org/resources/collections/context-and-problem-based-learning>

3. Practical skills & lab reports

Here is an outline from Southampton University of what to include in a lab report with some good and poor examples at the bottom of the page <http://www.l4labs.soton.ac.uk/index.htm?http://www.l4labs.soton.ac.uk/tutorials/comm/comm2.htm>

#### 4. Referencing

The two most popular methods of referencing are the Harvard and Vancouver styles – see details of how to use each method below;

<https://www.ukessays.com/referencing/harvard/>

<https://www.ukessays.com/referencing/vancouver/>

You might also want to sign up as a member of the 'Royal Society of Chemistry' as they have a section specifically for undergraduates.

<https://www.rsc.org/cpd/undergraduates>

Good Luck!