Chemistry

About this area of study

Chemistry is the study of matter and the changes it undergoes, such as the composition, behavior, structure, and properties of matter, as well as the changes it undergoes during chemical reactions. It looks at the science of atoms, molecules and other aggregates of matter in isolation and in combination. The Bachelor of Science with a major in Chemistry gives you an introduction to the synthesis, separation, detection and measurement of chemical substances, their properties and reactions.

The career outcomes for those with a chemistry major are numerous. Most industrial, educational, scientific, or governmental field will encompass some form of chemistry, as it is a very versatile science. Those who study chemistry are thought to have excellent analytical and mathematical skills, as well as being very good problem solvers. The types of fields Chemistry graduates enter into may include analytical chemistry, resource development, research, environmental monitoring, consumer affairs, corrosion control, quality control and teaching.

Courses offered by Deakin University include

- Bachelor of Science (with a chemistry major)
- Bachelor of Forensic Science (a major in forensic chemistry is available)
- Bachelor of Biological Science (cell and molecular biology major includes biological chemistry)
- Bachelor of Food Science and Nutrition

Labour market information

Grads online has information regarding graduate salaries and where graduates go after completing their course www.gradsonline.com.au

Job Outlook has information about the labour market outlook http://joboutlook.gov.au

Related occupations

- Agricultural chemist
- Chemical engineer
- Food and flavour chemist
- Forensic chemist
- Geochemist
- Medicinal chemistry
- Industrial chemist

- Science journalist
- Water management

An industry career profile, salary and other employment information can be obtained from the My Future website www.myfuture.edu.au

Descriptions of occupations can be found at The Job Guide www.jobguide.thegoodguides.com.au

Employers

SP Ausnet www.sp-ausnet.com.au

National Foods www.natfoods.com.au

BP www.bp.com

CSL www.csl.com.au

Melbourne Water www.melbournewater.com.au

Gallay Medical and Scientific Pty Ltd www.gallay.com.au

Geoscience Australia www.ga.gov.au

Commonwealth Scientific and Industrial Research Organisation (CSIRO) www.csiro.au

Environmental Protection Authority Victoria www.epa.vic.gov.au

Australia National University Research School of Chemistry http://chemistry.anu.edu.au

For specific employment opportunities visit the following sites

Deakin University Jobshop www.deakin.edu.au/jobshop

Science Alert www.sciencealert.com.au

New Scientist Jobs www.newscientistjobs.com/jobs

Graduate Opportunities www.graduateopportunities.com

Uni Grad www.unigrad.com.au

Seek www.seek.com.au

My Career www.mycareer.com.au

Career One www.careerone.com.au

Professional associations

Chemistry Education Association www.cea.asn.au

Australian Society for Biochemistry and Molecular Biology www.asbmb.org.au

The Royal Australian Chemical Institute Inc www.raci.org.au