

Like to know more?

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UNSW
THE UNIVERSITY OF NEW SOUTH WALES

chemistry



How can I do Chemistry without Year 12 Chem?

At UNSW you have two options, you can either:

- enrol in Introductory Chemistry (CHEM1001) in your first session OR
- enrol in the Bridging Course in Chemistry in February

What's Introductory Chemistry?

CHEM1001 (Introductory Chemistry) is a full University course designed for people like you.

Introductory Chemistry:

- Covers the fundamental background knowledge you will require to study further Chemistry courses.
- Is a full 6 Unit of Credit University course that counts towards your degree.
- Is taught over a 12 week session in University setting (lectures, tutorials, and laboratory), with a full laboratory program.
- Can also be taken as a General Education course even if you plan to do a degree other than a Bachelor of Science.

If you enrol in CHEM (Introductory Chemistry) in session 1 and you intend to study more Chemistry, then CHEM1011 (Fundamentals of Chemistry 1) is taught in session 2 and CHEM 1021 (Fundamentals of Chemistry 2) is taught over the summer session. Successful completion of this sequence of courses would prepare a student adequately for all chemistry related second year courses.

So what is the Bridging Course?

Bridging Course in Chemistry is an intensive 3-week course designed to be completed before a student enters first year.

The bridging course:

- Covers fundamental background in Chemistry in intensive mode.
- Has a short lab component.
- Approximately 40 hours of teaching.

How can short courses cover the same material as two years of highschool?

They can't, and they don't even try to! However both Introductory Chemistry and the Bridging Course cover key areas such as:

- What are atoms and molecules?
- What are some of the important principles and laws behind the way they behave?
- How do they react, and what are some basic reactions of different types of molecules?

1A	2A		3A	4A	5A	6A	7A	8A
1	2		3	4	5	6	7	8
Li	Be		B	C	N	O	F	Ne
3	4		5	6	7	8	9	10
Li	Be		B	C	N	O	F	Ne
11	12	13	14	15	16	17	18	
Na	Mg	Al	Si	P	S	Cl	Ar	
19	20	21	22	23	24	25	26	27
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co
39	40	41	42	43	44	45	46	47
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh
55	56	57	58	59	60	61	62	63
Cs	Ba	La	Ce	Pr	Nd	Pm	Sm	Eu
87	88	89	90	91	92	93	94	95
Fr	Ra	Ac	Th	Pa	U	Np	Pu	A
101	102	103	104	105	106	107	108	109
Md	No	Lr	Rf	Db	Sg	Bh	Hf	Ta
119	120	121	122	123	124	125	126	127
Uue	Uub	Uut	Uuq	Uur	Uus	Uu6	Uu7	Uu8



Chemistry - The Creative Science

Discover how chemists propose to solve contemporary problems like the greenhouse effect, variations in the ozone layer, and pollution. Learn how chemistry can be used in tandem with structure-based drug design to develop drugs to combat disease, and how specialist knowledge of nanoscientific phenomena can be used to design molecular devices with applications in the food industry, communications and chemical industry.

By undertaking studies in Chemistry you will be provided with training and knowledge that equips you to tackle many of the scientific concerns that face society. The skills and techniques you learn are relevant to modern issues and you will be trained to apply this knowledge to address the needs of society and develop new and exciting materials like plastics, green fuels and pharmaceuticals.

Sign up today and be part of the solution!

Chemistry at UNSW

The School of Chemistry at UNSW enjoys an excellent international reputation. Housed in the country's newest chemistry research and teaching laboratory building, along with the newly established UNSW Analytical Centre, the School is equipped with world leading molecular characterization facilities. It provides first-rate learning facilities for the undergraduate students and research training to both graduate and postgraduate students. The School has a strong commitment to teaching excellence, and students are instructed by multimedia lectures, practical laboratory training, group tutorials and self-paced computer aided learning.