



# Griffith Chem

**Build on your knowledge of senior chemistry and get a head start on university study.**

Griffith Chem is a two-year part-time university course for Year 11 and 12 students, run through our Head Start At School program. It provides motivated senior high school students with the opportunity to experience study at Griffith through online learning.

**Make it matter**

## Benefits of completing Griffith Chem

### University credit

Completion of a Griffith University Head Start course and Year 12 studies guarantees admission to one of more than 70 single and double degrees across a range of areas. Completion of our Head Start program may also make you eligible for an offer to study at Griffith before you receive your ATAR or IB diploma results.

Students who pass Griffith Chem will be eligible to receive 10 credit points for the equivalent course (subject) in a range of undergraduate degrees offered at Griffith University. This may reduce the overall cost of a Griffith undergraduate degree and allow a 75 per cent course load in the first trimester.

### Support for senior chemistry

Griffith Chem provides a variety of additional resources (videos, readings and quizzes) to support both teaching and learning of senior chemistry. The course content is presented in modules that align with many topics in the senior chemistry syllabus, so students can build on their knowledge and gain a deeper understanding of core concepts in the field.

### Adjusted selection rank

As part of the Year 12 Subject Adjustment Scheme, students who pass Griffith Chem will be eligible to receive two (2.00) adjustments towards their selection rank when applying for entry into an eligible Griffith undergraduate degree.

Visit [griffith.edu.au/adjustment-factors](http://griffith.edu.au/adjustment-factors)

### Queensland Certificate of Education

Queensland students who successfully complete Griffith Chem will have this course recorded on their Queensland Certificate of Education. This does not count towards ATAR calculation.

## Attendance

Griffith Chem is an online course. In Year 11, students will study the content of the first half of Griffith Chem and be assessed with an online exam at the end of Term 4. Students who pass the Year 11 exam (>50%) will be invited to participate in the Year 12 part of the course. Students will then need >50% in the Year 12 exam to pass the course.

## Course content

### Year 11 (Stage 1)

- Measurement and calculations
- Matter
- Atoms, compounds, molecules and ions
- The language of chemistry
- Electronic structure of atoms
- Electron configuration and the periodic table
- Chemical bonding
- Quantitative chemistry

### Year 12 (Stage 2)

- Gases
- Reactions in aqueous solutions
- Solutions stoichiometry
- Kinetics
- Chemical equilibria
- Acid–base equilibria

### Textbooks

John, R. (2017a). Chemistry Companion (Revised 5th print edition). Qld: Isis Publishing.

John, R. (2017b). Chemistry Companion: Answers and Solutions Manual. Qld: Isis Publishing.

Available from **GriffithPay**.

Limited copies also available at the Griffith University Library.

## Admission criteria and enrolment

For admission into Griffith Chem, Year 11 students must be:

- ATAR or Diploma of the International Baccalaureate (IB) eligible or meeting one of the non-ATAR or non-standard eligibility criteria as listed on the below website
- achieving a minimum C grade in QCAA General subjects, including General English and Chemistry (or equivalent).

Application into Griffith Chem is completed online at [griffith.edu.au/head-start-at-school](http://griffith.edu.au/head-start-at-school), and Griffith University covers all costs of the course, except for the purchase of the textbook (optional).

### General enquiries

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## Find out more

Apply online at  
[griffith.edu.au/head-start-at-school](http://griffith.edu.au/head-start-at-school)