



Science, Technology and Engineering

Master of Chemical Sciences

Campus:	Bundoora	Duration:	2 years full time
Semester Starts:	February and July	International Course Fee:	\$20,600

The Master of Chemical Science degree at La Trobe University is designed for students with a passion for chemistry and its ability to solve significant problems.

This course gives detailed studies in the concepts and techniques of modern chemistry and provides students with a solid experience in postgraduate studies in chemistry and chemistry research areas. The discipline of chemistry is located at the border of chemistry, biology and physics. The course is focussed on specialisations in chemistry, where students address various topics through their study program, including

- analytical chemistry
- computational chemistry
- instrumental methods
- medicinal chemistry
- organic chemistry
- physical chemistry
- separation science
- spectroscopies

Course Structure

Students must complete 60 credit points worth of third year undergraduate chemistry units..

First year units (120 credit points)

Unit name	Unit code	Credit points
Advanced Chemistry A	CHE3ADA	30
Topics for Master of Chemical Science A	CHE5TMA	30
Advanced Chemistry B	CHE3ADB	30
Topics for Master of Chemical Science B	CHE5TMB	30

Second year units (120 credit points)

Semester One or Two

Unit name	Unit code	Credit points
Chemistry Research Project A	CHE5PRA	60
Chemistry Research Project B	CHE5PRB	60

Further information may be found at www.latrobe.edu.au/handbook

Science, Technology and Engineering

Industry Experience

The Faculty offers a range of competitive industry experience options through our Industry Cadetship and Integrated Business Learning. Details are on our website at www.latrobe.edu.au/scitecheng

Professional Recognition

Graduates of this program will be eligible for membership of the Royal Australian Chemical Institute (RACI).

Career Opportunities and Expected Vocational Outcomes

Graduates will be qualified for employment in a wide range of science-based industries and research laboratories and be well suited to participate in emerging industry sectors such as biotechnology, green chemistry, industrial applications and technologies, polymer chemistry, quality control, pharmaceuticals, drug development, research and development, chemical analysis (eg mining industry), waste management, petroleum and other fuels, just to name a few.

High-achieving students may proceed to study further for a PhD and apply for a La Trobe University scholarship.

Entry Requirements

Students must have completed a three-year Australian undergraduate degree in Chemistry, or hold a degree with substantial chemistry content to third year chemistry (or equivalent).

English Language Requirements

Successful completion of English for Further Studies Advanced Stage 5B certificate at postgraduate (EFS5 (70%) PG1) level conducted by La Trobe University Language Centre; or IELTS (Academic) score of 6.5 with no individual band score less than 6.0; or TOEFL Paper-based Test: a minimum score of 575 with a score of 5 or better in the Test of Written English; or TOEFL Computer-based Test: a minimum score of 233 with a score of 5 in essay writing; or TOEFL Internet-based Test: a minimum score of 88 with no individual score less than 22; or Approved equivalent.

Contact Details

Future Students: (+61 3) 9627 4805

Freecall (within Australia): 1800 619 768

Current students or enquiries related to submitted applications: (+61 3) 9479 1199

Facsimile (+61 3) 9479 3660

Email international@latrobe.edu.au www.latrobe.edu.au/international

La Trobe University Overseas Representatives

La Trobe University has a worldwide network of representatives who can assist you with applying to study at La Trobe. See: www.latrobe.edu.au/international/agents