

Science

COURSES

Certificate IV in Laboratory Techniques

Diploma of Laboratory Technology (Biological Testing, Manufacturing and Forensic Chemistry)

Certificate III in Science

Certificate IV in Science



CERTIFICATE IV IN LABORATORY TECHNIQUES

(PML40104)

CRICOS: 056993B

1 year

OVERVIEW

This course provides broad-based training appropriate to technical support staff in all aspects of laboratory operations including safety, equipment, analytical instrumentation and computing, chemistry and biological techniques. Chisholm offers excellent laboratory facilities, which simulate the conditions found in industry.

STUDY AREAS

- Chemistry (laboratory)
- Biological testing
- Instrumentation
- Communications
- Data processing and recording
- Computer applications
- Quality assurance
- Aseptic techniques

ASSESSMENT METHODS

Continuous assessment throughout the year as well as practical exercises.

TEACHING METHODS

Supervised practical components, lectures, laboratory practices and supervised classroom learning.

EMPLOYMENT OPPORTUNITIES

Laboratory Assistant, Quarantine Inspector's Assistant, Research Assistant, Chemical Scientist Assistant.

FURTHER EDUCATION OPPORTUNITIES

Diploma of Laboratory Technology (Biological Testing, Manufacturing and Forensic Chemistry), Diploma of Laboratory Technology (Pathology Testing).

ENTRY REQUIREMENTS

IELTS 5.5 or equivalent

Year 11 with passes in Science and Maths

CAMPUS AND INTAKE

Campus: Frankston

Course Commences: February/July

FEES

2009 Fee Payable: AUD\$9,700

Additional Costs: Approximately AUD\$65 for text books, uniforms and equipment.



DIPLOMA OF LABORATORY TECHNOLOGY (BIOLOGICAL TESTING, MANUFACTURING AND FORENSIC CHEMISTRY)

(PML50104)

CRICOS: 057760M

2 years

OVERVIEW

This course provides training in paraprofessional support in a range of scientific laboratories. The course encompasses a range of skills, techniques and processes so that graduates are flexible, adaptable and competent to meet the technological and administrative demands of the workforce. Chisholm offers excellent laboratory facilities, which simulate the conditions found in industry.

STUDY AREAS

- Chemistry (laboratory)
- Biological testing
- Instrumentation
- Communications
- Data analysis
- Computer applications
- Quality systems
- Chromatographic, electrophoretic and spectrometric techniques
- Microbiological testing
- Biotechnology
- Laboratory technology

ASSESSMENT METHODS

Continuous assessment throughout the year as well as practical exercises.

TEACHING METHODS

Supervised practical components, lectures, laboratory practices and supervised classroom learning.

EMPLOYMENT OPPORTUNITIES

Laboratory Technician, Research Assistant.

FURTHER EDUCATION OPPORTUNITIES

Applied Science Bachelor degree with up to one year of credits.

ENTRY REQUIREMENTS

IELTS 5.5 or equivalent

Year 12 with passes in Science and Maths

CAMPUS AND INTAKE

Campus: Frankston

Course Commences: February /July

FEES

2009 Fee Payable: AUD\$9,700 per year

Additional Costs: Approximately AUD\$150 for text books, uniforms and equipment.



CERTIFICATE III IN SCIENCE

(21238VIC)

CRICOS: 049845F

6 months

OVERVIEW

This course is undergoing change in 2008/2009. Please check the Chisholm website www.chisholm.edu.au (<http://www.chisholm.edu.au/>) before submitting your application, for up to date information regarding to changes in the course title, content and other.

This is a preliminary program designed to lead a range of vocationally oriented programs with the level of Mathematics and Science needed by a number of industries, including Laboratory Sciences, Health Sciences and Computing Technology. This course is a pathway to a range of Science related courses.

STUDY AREAS

- Chemistry
- Physics
- Biology
- Mathematics
- Communications
- Computing

ASSESSMENT METHODS

Continuous assessment throughout the year using practical demonstrations, individual and group work, assignments and tests.

TEACHING METHODS

Teaching methods include lectures, practical work, and individual research.

EMPLOYMENT OPPORTUNITIES

Entry-level employment in Health Sciences, or Laboratory Technology.

FURTHER EDUCATION OPPORTUNITIES

This course can be used as an alternative entry to Certificate IV in Nursing (Enrolled/ Division 2 Nursing), Diploma of Laboratory Technology, Diploma of Electronics, and Computer Engineering and Information Technology Networking areas.

ENTRY REQUIREMENTS

IELTS 5.5 or equivalent
Year 12 or equivalent

CAMPUS AND INTAKE

Campus: Frankston
Course Commences: February

FEES

2009 Fee Payable: AUD\$4,850



CERTIFICATE IV IN SCIENCE

(21239VIC)

CRICOS: 049846E

1 year (including Certificate III in Science)

OVERVIEW

This course is undergoing change in 2008/2009. Please check the Chisholm website www.chisholm.edu.au (<http://www.chisholm.edu.au/>) before submitting your application, for up to date information regarding to changes in the course title, content and other.

This foundation program designed to build on the Certificate III and lead into vocationally oriented programs ensures that participants reach a level of Mathematics and Science needed by a number of industries, including Laboratory Sciences, Health Sciences and Computer Engineering and Information Technology Networking.

STUDY AREAS

- Chemistry
- Physics
- Biology
- Mathematics
- Communications
- Computing (incorporates Certificate III modules and additional electives)

ASSESSMENT METHODS

Continuous assessment throughout the year using practical demonstrations, individual and group work, assignments and tests.

TEACHING METHODS

Teaching methods include lectures, practical work and individual research.

EMPLOYMENT OPPORTUNITIES

Entry level employment in Health Sciences, Laboratory Technology.

FURTHER EDUCATION OPPORTUNITIES

This course can be used as an alternative entry to Bachelor of Nursing, Diploma of Laboratory Technology, Diploma of Electronics and Advanced Diploma of Computer Systems Engineering.

ENTRY REQUIREMENTS

IELTS 5.5 or equivalent
Year 11 or equivalent

CAMPUS AND INTAKE

Campus: Frankston
Course Commences: February

FEES

2009 Fee Payable: AUD\$9,700