



An Australian Government Initiative

Trade Training Centres
in Schools Programme



ReddiLab
Trade Training Centre

INTRODUCTION TO LABORATORY OPERATIONS

Offered at **ReddiLab Trade Training Centre**,
located at Redcliffe State High School.

Wednesdays 1.30pm – 5pm, commencing February 2013

Pre-requisites

- At least C+ in Year 10 Science and Mathematics or successful completion of a bridging course.
- keen interest in science.
- desire to work in a laboratory environment at an entry level as an assistant / technical officer.
- commitment to undertake at least two weeks of work placement in a commercial laboratory.
- access to a computer and the Internet outside school time to complete course work.

Recommended Companion Subjects: Biology and/or Chemistry; Mathematics A or B.

Special features of the course

- **nationally recognized, industry–standard training** that contributes up to **8 core credit points** to the Queensland Certificate of Education (QCE).
- This qualification is designed to equip you with sound skills and knowledge essential to effective performance in a laboratory. Skills include communication, processing and recording data, calibrating test equipment, maintaining a laboratory and equipment & performing basic laboratory analysis.
- **Employability skills** are developed with a focus on team work, time management and problem solving.
- Students are able to complete this course as part of a **school-based traineeship**.
- The course is delivered and assessed by Central Queensland Institute of TAFE *VET in Schools* Program using print based and online materials. As part of the **Queensland Skills Plan**, tuition fees are waived and students pay only for materials and services required in the course.
- **Work placement** is mandatory and is conducted in a one week block, once each year.
- Successful completion of this course will provide students with a ranking for **tertiary entrance**.
- Students can continue their study by enrolling through QTAC in a dual award of Advanced Diploma of Laboratory Operations at Southbank Institute of Technology (first 2 years) progressing to a Bachelor of Applied Science at QUT (final 2 years) if they choose.

Post-secondary opportunities

Immediate Employability

When you finish this course you will be able to work as a laboratory assistant or technical officer in **pathology & forensics, pharmaceuticals, mining, environmental, construction materials and manufacturing** industries. If you are continuing to tertiary study, this qualification will allow you to get part-time work in a laboratory to give you an income.





Units of Competency

| | | |
|-----------------|------------|---|
| Sampling & Data | MSL912001A | Work within a laboratory (induction) |
| | MSL922001A | Record and present data |
| | MSL952001A | Collect routine site samples |
| | MSL952002A | Handle & transport samples or equipment |
| | MSL973001A | Perform basic tests |
| Biology | MSL973007A | Perform Microscopic Examination |
| | MSL973004A | Perform Aseptic Techniques |
| | MSL943002A | Participate in laboratory/field workplace safety |
| | MSAENV272A | Participate in environmentally sustainable work practices |
| Chemistry | MSL913002A | Plan and conduct laboratory/field work |
| | MSL913001A | Communicate with other people |
| | MSL933002A | Contribute to the achievement of quality objectives |
| | MSL973002A | Prepare working solutions |

Assessment Overview

Students complete competency-based tasks for each module. Results for each unit of competence will be recorded as Competent or Not Yet Competent. Students are required to demonstrate competence in all set tasks to enable them to receive certification.

Extra equipment / costs payable by students

- Purchase of Uniform Kit – approximately \$130 (laboratory coat, safety glasses, log book, ReddiLab polo shirt; King Gee 100% cotton drill trousers (Men’s Workcool Taupe colour))
- Other uniform items: black belt; black socks, closed-toe, non-slip, black leather shoes or boots.
- TAFE Enrolment Fee (\$20 per year, invoiced by RSHS at the start of each year)
- Consumables & Equipment fee (\$50 per year, invoiced by RSHS at start of year)

How do I enrol?

- See your Head of Senior Schooling, Guidance Officer or Head of Science.
- Select *Laboratory Operations* as part of your SET Plan.
- Fill in a *ReddiLab Expression of Interest Form* and *TAFE New Student Form* when you do your SET Plan.
- Contact the *ReddiLab Manager* if you would like further information or assistance.

For further Information, please contact:

Mr Carl Coleman
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Redcliffe State High School
Tel: 3897 1153

