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:
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Redcliffe State High School
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