CSIRO, the Commonwealth Scientific and Industrial Research Organisation, is Australia’s national science agency and one of the largest and most diverse research agencies in the world.

CSIRO offers work experience placements to students from Australian high schools in Years 10-12 who are interested in science. Applications for the 2014 Work Experience Program will be open for a month from 1 March 2014, and closing on 31 March 2014. The application process is a simple online application form, where students are required to provide some basic information about themselves, as well as a cover letter detailing why they would like the opportunity to work with CSIRO. All applicants will then be notified via email about the outcome of their application by the end of May 2014.

Career in Mechatronics Engineering

Mechatronic engineers design and maintain machinery with electronic and computer control systems, such as aircraft, robots, motor vehicles, cameras, power generators and mining and chemical plant machinery. Workplaces range from laboratories and processing plants to engineering design offices.

Mechatronic engineers may perform the following tasks:

- design, develop, maintain and manage high technology engineering systems for the automation of industrial tasks
- apply mechatronic or automated solutions to the transfer of material, components or finished goods
- design and assist with the manufacture of consumer products such as cameras and video recorders
- apply electronic and mechanical processes and computers to tasks where the use of human labour may be dangerous (ie. underwater exploration, mining or forestry)
- carry out studies into the feasibility, cost implications and performance benefits of new mechatronic equipment

Mechatronic engineers need to be interested in mathematics, physics and mechanical equipment such as robotic and production equipment. To become a mechatronic engineer students usually have to study engineering at university with a major in mechatronics or robotics. Related degree courses in electronics, electrical or mechanical engineering may also be appropriate.

University courses specialising in robotics and/or mechatronics in Victoria include:

<table>
<thead>
<tr>
<th>Institution</th>
<th>Engineering Course</th>
<th>VCE Requirements</th>
<th>ATAR – 2014 Entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deakin University</td>
<td>Mechatronics</td>
<td>English/EAL, Maths Methods or Specialist Maths</td>
<td>61.50</td>
</tr>
<tr>
<td>La Trobe University</td>
<td>Mechatronics and Robotics</td>
<td>English/EAL, Maths Methods or Specialist Maths</td>
<td>75.25</td>
</tr>
<tr>
<td>Monash University</td>
<td>Mechatronics</td>
<td>English/EAL, Maths Methods or Specialist Maths</td>
<td>91.35</td>
</tr>
<tr>
<td>RMIT University</td>
<td>Advanced Manufacturing and Mechatronics</td>
<td>English/EAL, Maths Methods</td>
<td>81.45</td>
</tr>
<tr>
<td>Swinburne University</td>
<td>Robotics &amp; Mechatronics</td>
<td>English/EAL, Maths Methods</td>
<td>78.30</td>
</tr>
</tbody>
</table>

Bricklayers are in demand!

One course which provides long term work and career prospects is Bricklaying. So, get qualified and prove your worth by being the-best-you-can-be – and you’re on your way! For more information visit: http://www.becomeabricklayer.com.au/apprenticeships/2014-tertiary-choice

MONASH University

News from Monash University

➢ Bachelor of Biomedical Science
The 3-year Bachelor of Biomedical Science course offered at the Clayton Campus gives students a solid foundation in biomedical sciences, leading to a research-based honours year. The core interdisciplinary units include human biology, anatomy, biochemistry, genetics, immunology, microbiology, molecular biology, pharmacology, physiology and the biomedical basis of disease. Electives allow students to design a specialised program around any of these areas, or students can choose units from other faculties to broaden their horizon. VCE requirements are – Units 3 and 4: a study score of at least 35 in English (EAL) or 30 in English other than EAL; and a study score of at least 25 in Chemistry; and a study score of at least 25 in one of Mathematical Methods (CAS), Specialist Mathematics or Physics. To find out more, visit http://www.monash.edu.au/study/coursefinder/course/2230/.

➢ 2017 entry and beyond
From 2017, at least 50 of the 75 domestic places available into the Graduate Entry MBBS Bachelor of Medicine and Bachelor of Surgery will be reserved for students who have completed Monash University’s Bachelor of Biomedical Science. The allocation of the remaining 25 places is yet to be determined.

From this point, second year students in the Bachelor of Biomedical Science at Monash who maintain a Weighted Average Mark (WAM) (ie 70 or above) at the end of second year will be offered the opportunity to undertake a select entry interview for the Graduate entry MBBS. They will not be required to undertake the GAMSAT.

A conditional offer may be made based on academic performance and interview prior to the commencement of third year. Students given a conditional offer will still be required to maintain their WAM during third year of the Biomedical Science program.

Please register at http://med.monash.edu.au/medical/gippsland/mbbs-pathways.html if you wish to receive updates as they are confirmed.
Tuckwell Scholarship

A unique Australian undergraduate university scholarship was recently launched at The Australian National University (ANU). The Tuckwell Scholarship program selects 25 students each year and awards them $20,000 per annum (increasing with inflation) for up to five years of their degree at ANU for expenses such as accommodation and living costs. As part of the program, Tuckwell Scholars will live on the ANU campus in a hall or residential college. With the largest residential community in Australia, ANU is uniquely placed to provide residential experiences that are safe, community-focused and supportive.

ANU is looking for applicants Australia-wide, including those would not necessarily apply for a competitive scholarship perhaps because they have a genuine modesty that inhibits them from putting themselves forward or because they feel their background might be a barrier to success. Applications open 3 March 2014 and close 21 March 2014. For more information visit tuckwell.anu.edu.au

Introducing Melbourne Polytechnic

Melbourne Polytechnic, operated by NMIT, offers various courses at its Prahran Campus. Many of these courses are in the creative industry and include –

- music performance
- music business
- sound production
- design
- visual arts
- photography
- digital media and gaming
- professional writing and editing
- writing and publishing
- visual merchandising
- interior decoration and design
- theatre arts
- costume design and make-up

To find out more visit www.melbournepolytechnic.edu.au

News from JMC Academy

JMC Academy remains one of Australia’s leading Creative Industries institutions, offering Degrees and Diplomas in Music, Audio Engineering, Film and Television Production, Entertainment Business Management, 3D Animation and Game Design. JMC Academy recently joined the Berklee College of Music’s International Network. This comprises selected institutions from all over the world who share a passion and vision for the advancement of contemporary music and quality education. The Berklee collaboration with JMC Academy means that Berklee staff deliver Master classes and lecture series to JMC Academy students.

Find out more at www.jmcacademy.edu.au or call 1300 410 311.