Engineering student Jonathon Neville has scored a top international honour for studying the motions of throwing a soccer ball to set up goal-scoring opportunities.

Jonathon won the prestigious 2009 Sports Engineering Student Project Competition, run by the International Sports Engineering Association (ISEA).

A keen soccer player, he said throwing the ball from the sideline of the soccer field could be a critical opportunity for teams to score goals.

"Throwing can be critical to the game, but this powerful movement has not been studied widely," Jonathon said.

"Throwing can be a lot more accurate than kicking a ball and a player can set the team up for a goal scoring opportunity by throwing the ball well, sometimes for a distance of more than 30 to 40 metres."

Using real-time electronic sensors to record and monitor the throwing motions in a 3D motion capture environment, my research identified the critical motions of the soccer throw, including the player’s approach speed and how the player’s stomach and arm rotations contribute to the throw."

Jonathon said the study would help coaches assess the throwing action and improve players’ techniques.

Current regulations stipulate both feet need to be firmly on the ground, hands should start from behind the head, and the ball should be released over the head.

The final-year Griffith student conducted this study earlier this year while working at the University’s Centre for Wireless Monitoring and Applications as part of the Industrial Affiliates Program (IAP), which allows students to obtain valuable experience working in their chosen industry.

Jonathon gained an interest in sports engineering research after undertaking this project and now plans to do a PhD at Griffith with the Centre for Wireless Monitoring and Applications.

"I never thought about a research career, but this experience has helped me to make useful contacts in my field and it has opened up exciting research opportunities," he said.

The Sports Engineering Student Project Competition was open to graduates from undergraduate degree programs at any higher education institution in the world, who had undertaken an individual project on a sports engineering topic.

The ISEA aims to act as a forum to discuss technical issues relating to sport.

To find more about our Engineering degrees visit griffith.edu.au/engineering
Campus Carbon Challenge kicks off!

Griffith will be the first Australian university to take on the Campus Carbon Challenge – aimed at reducing carbon emissions in its residential colleges.

In Semester 1, 2010, more than 850 students from Griffith University’s three residential colleges at Nathan and Mt Gravatt campuses will take part in a 10-week competition focused on reducing water, electricity usage, and rubbish.

Students will be provided with weekly hints and tips about reducing emissions via meetings, presentations, notices and the Campus Carbon Challenge website.

A number of methods to reduce carbon emissions will be put in place, including:

- reducing the amount of red meat prepared in the catered colleges by having a vegetarian day once a week
- putting left-over food scraps into a composter to reduce green waste
- installed new recycle, paper and cardboard bins around the colleges to ensure more college waste is sorted and recycled
- provided shower timers to remind residents to keep their showers to four minutes.

Griffith University Campus Life director Nicola Collier-Jackson said the challenge was supported by the Queensland Government Department of Environment and Resource Management (DERM) through their Low Carbon Diet program.

“Griffith will be the first university in Australia to undertake such a project so let’s set the bar high and show all other Australian unis how it’s done,” Ms Collier-Jackson said.

The college that reduces emissions the most will be rewarded with exciting prizes.

Information on Low Carbon Diet programs is available to all Queenslanders online at www.climatesmart.qld.gov.au.

There and back

Griffith aviation graduate Owen Zupp is taking to the skies to commemorate 100 years of powered flight.

Owen will take-off from Bundaberg on 5 May, flying a specially-built Australian-made Jabiru to raise much-needed funds for the Royal Flying Doctor Service.

The charity trip will see him visit 52 ports across Australia, including Darwin, Perth, Launceston, Mittagong and Brisbane, before returning to Bundaberg a fortnight later.

The trip will cover 7000 nautical miles. To keep track of his progress, the aircraft will be fitted with a special ‘Spidertracks’ tracking system which updates the exact position of the aircraft to Owen’s website every six minutes.

“Next year will mark 100 years since the first powered flight in Australia,” Owen said.

“I have always wanted to do some more distance flying – other than my airline flying – and this important milestone was the perfect opportunity to highlight this.

“We as Australians should be proud because we have far more pioneers and achievements than such a relatively new nation could be expected to produce.”

Owen said aviation had come a long way in recent years, with more and more accessibility thanks to affordable recreational aircraft like the Jabiru.

“Owen Zupp is a great example of someone who is reaping the benefits of his education at Griffith University,” said the University’s Chief Executive Officer Professor Ian O’Connor.

“Owen’s experience in aviation is an example of the kind of high-level skills and qualifications that are in demand in the aviation industry.”

Students interested in finding out more about aviation degrees can visit: griffith.edu.au/aviation.

Build your future with the strongest foundation...

Griffith University offers a broad range of engineering degrees from civil, electronic and computer, environmental, software, sustainable energy systems, sport and biomedical and the recently introduced – electrical and electronic and mechatronic engineering.

The Griffith School of Engineering has a selection of progressive and professionally recognised programs at both undergraduate and postgraduate level. In less than two decades, Griffith University has built a world-class school, attracting some of the world’s leading engineering specialists, academics and researchers from around the globe. This, along with state-of-the-art laboratories, has helped produce quality graduates through “cutting-edge” teaching and research.

You’ll enjoy some of Australia’s most advanced facilities at the Nathan and Gold Coast campuses:

- Australia’s only university-based microchip factory
- High quality test facilities
- Hydraulic and geotechnical laboratories
- Australia’s best airborne biohazard facility
- Specialised visualisation and multimedia laboratories.

For more information on Griffith’s School of Engineering visit: griffith.edu.au/engineering
What's new in environment?

Students tackle Ecuador

In summer semester, a 17-strong team of Griffith Ecotourism students and staff took their studies to Ecuador, as part of Griffith's School of Environment Ecotourism field course.

International Centre for Ecotourism Research Centre Director and trip leader Professor Ralf Buckley said the course focused on the role of ecotourism in community conservation in the Amazon rainforests and the high mountains of the Andes.

The students learnt about tourism, conservation and community issues directly from local people.

“The indigenous inhabitants of the Amazon have maintained many of their traditional customs, despite impacts from logging, oil production and agricultural clearance,” Professor Buckley said.

“Ecotourism helps them to maintain their way of life and contribute to conservation. This in the Amazon most of the time was spent in dugout canoes, and students also caught pranha and went swimming in a lagoon at dusk, sharing the tannin dark waters with caiman, freshwater dolphins and perhaps an anaconda.”

They then visited Cotopaxi – one of the highest active volcanoes in the world, with the treeless vegetation of the Andean moorlands and rare plants and birds such as the Andean condor.

“The Andes component was much more challenging. We camped at 3600m elevation in Cotopaxi National Park, climbed the 4200m volcanic cone of Ruminahui m.i heavy hailstorm which made the loose rock seem extra slippery, and then hiked up to the edge of the main Cotopaxi glacier at 5000m,” Professor Buckley said.

Fourth year Urban and Environmental Planning student Luke Nixon said of his once in a lifetime experience: “It was a great opportunity to take what we had learnt from the classroom and connect our studies to the real world. I would highly recommend all students to take part in one of these field trips.”

Previous units have featured trips to Nepal, New Zealand, Papua New Guinea as well as across Australia.

To find out more about Ecotourism degrees visit: griffith.edu.au/environmental-science

Architecture degree... first for Gold Coast

History was made during this year’s Orientation week with more than 70 first year students commencing studies in Griffith’s newest program, Architecture.

It was the first time architecture studies had been available in Queensland outside of Brisbane, meeting increasing demand in the booming northern NSW to south east Queensland corridor.

The degree has been developed with a distinct ‘design for sustainability’ theme and includes a three year Bachelor of Environmental Design (Architectural Studies) program before a two year Master of Architecture degree to provide students with professional accreditation as an architect.

In welcoming the new students, university staff and industry professionals provided insight into the course and what they could expect to learn, architecture in today’s society and the life of an architect, and what they can expect beyond Griffith.

Head of Architecture Professor Gordon Holden said the University was working closely with industry professionals to provide ‘the best course in Australia’.

It will combine study with Work Integrated Learning (WIL) to enable students to undertake work experience on projects while at university.

“The degree will equip graduates to adapt building design to the impacts of climate change and to meet increasingly strict sustainability targets,” he said.

In the future, more than 300 students will be accommodated in the new purpose-built design studio space. Specialist design studios will be complemented by spaces for hands-on designing and modelling.

Australian Institute of Architects, Principal Architect, Glen Jones said the Gold Coast’s rate of growth would challenge architects to maintain the sustainability of its idyllic natural setting and its residents, to open low-density living and relaxed lifestyle.

“This degree is uniquely appropriate to these issues and will support an increasing demand for the holistic skills of architects with their ability to integrate arts, science and technology,” he said.

From the bush to the beach: Jess Thurect is one of the first students to study architecture

Hot Chile woman

A keen body boarder, Dani has moved from Chile and is currently studying a Bachelor of Science (majoring in Marine Biology/Ecotourism) at Griffith on the Gold Coast.

“I love the weather and lifestyle here on the Gold Coast. It’s a great place to live and study.”

“If you are a body boarder or you want to learn body boarding there is almost no better place to come to than the Gold Coast. The best thing about it – I have also made lots of new friends,” Dani said.

Dani works as a dive guide for Kirra Dive Centre where she is currently completing her final year industry placement.

“I never wanted an office job – I love the outdoors. I have the best job... I take people diving and get to swim with turtles every week.”

When Dani isn’t studying or working at her dream job you will find her carving up waves at local beaches.

Dani recently competed at the Queensland National Titles where she came third on the Women’s Professional Tour.


The perfect office: Dani Guitart in the green room

Pic Supplied by Trevor Ross

Global studies: Ecotourism students in a dugout canoe in the Amazon

Want to study architecture at Griffith? Register for our information evening at: griffith.edu.au/architecture

Future engineers to power a sustainable future

Ergon Energy and Kyocera Solar Panels have donated a 2kW demonstration system and PV panels to the School of Engineering.

With ten 205-watt panels, this system underpins Queensland’s first sustainable electrical engineering course.

The Ergon Energy solar array is the most prominent feature on the Griffith rooftop classroom, specially designed to provide a safe outdoor research facility. It's the centrepiece among meteorological equipment.

"There is a need in the community for a more sustainable future in the energy sector," said Head of Engineering Professor Bofu Yu. "We see it as an important feature that we going beyond the generation of energy, looking at efficient usage and efficient storage."

The School of Engineering is home to 1100 engineering students in all streams across its Nathan and Gold Coast campuses.

"Ergon Energy recognises that the next generation of electrical engineers will need a greater understanding of renewable generation technologies if we are to achieve sustainable practices in this industry," said Executive General Manager Energy Sustainability and Market Development, Jim Chisholm.

"We’re pleased to be able to partner with Griffith University to train future engineers in renewable energy technologies and sustainable energy generation practices," said Deputy Head of the School Dr Steven O’Keefe. "Engineering graduates would become the leaders in sustainable energy science, providing the answers society seeks.

"It’s such a huge thing that is happening," said Dr O’Keefe. "2020 targets and all the other issues surrounding energy means we are going to need many more engineers in this discipline.

"It takes four years to become an engineer and Australia is short 30,000 of them."

The School of Engineering has also been instrumental in driving the Griffith rooftop classroom, the centrepiece among meteorological equipment.

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Scholarships supporting young engineers

Gold Coast City Council in partnership with Griffith University provides a $25,000 scholarship to young engineers, with two engineering students formally recognised at the first council meeting for 2010.

Engineering Services Committee Chair Cr Dawn Crichlow presented certificates to former scholarship recipient Jordan Cocks – who recently graduated from Griffith’s School of Engineering – and Kathryn McDonald, the latest recipient.

Cr Crichlow said both students were worthy recipients of the Engineering Services Directorate Scholarship. “Both Jordan and Kathryn have demonstrated their outstanding attributes required to be a city engineer,” Cr Crichlow said.

"Jordan recently graduated with a Bachelor of Engineering with honours and Kathryn is currently in her second year. Both have been working with Council’s Technical Services branch." In 2005, Gold Coast City Council responded to a report by Queensland’s Institute of Engineers Australia, which identified a lack of industry support for young engineers, and established the scholarship with Griffith to encourage and attract bright young minds.

"Engineering Services has since been working hard to make it a ‘scholarship of choice’ among students at Griffith, by providing strong academic and financial support to the recipient,” Cr Crichlow said.

Wouldn’t it be great if by the time you reached “Schoolies,” you already had a completed university course under your belt?

It’s now a reality for year 11 and 12 high schools students.

The Taste of Engineering program enables high-achieving students to complete a recognised first year Griffith Engineering subject over two years while studying Year 11 and Year 12.

Year 11 students will commence in Semester 2, 2010 on both Nathan and Gold Coast campuses.

Students who successfully complete this program will be offered the opportunity to undertake the second part of the course in Semester 1 of their Year 12.

Dean of Learning and Teaching for Science, Environment, Engineering and Technology, Associate Professor Wendy Laughlin, said our research showed today’s students were keen to begin their university and professional careers as soon as possible and sought flexible arrangements to help them do so.

“As well as the obvious advantages of finishing school with a university course completed, it has practical benefits, enabling students to get a feel for university, with lab sessions and specialist lectures held on campus,” Dr Laughlin said.

For part one of the program, students will attend two on-campus Experience Days run by Griffith School of Engineering.

Students must be studying Maths B and English and at least one of the following: Maths C, Physics, Chemistry, Technology Studies or Engineering Studies.

On successful completion of both parts of the program, and with necessary pre-requisites, guaranteed admission arrangements to Griffith University Engineering Programs will be made with:

- 100% credit for the completion of this course
- 5-hour reduction in workload for first semester (At university, students typically spend 5 hours per week on this course in Semester 1)
- HECS savings

To register, please email:

Nathan Campus Experience Day
Thursday 5 August 2010, Thursday 28 October 2010
k.robinson@griffith.edu.au

Gold Coast Campus Experience Day
Wednesday 18 August 2010, Wednesday 27 October 2010
g.akimova@griffith.edu.au

Be quick as places are limited...
Shedding new light on flower industry

When you give or receive flowers on Mother’s Day or Valentine’s Day more often than not light bulbs have been used in glasshouses to manipulate flower growth and get the timing right for the big day.

Griffith Bachelor of IT/Science student Brock Dembowski said the Australia-wide phase-out of incandescent light bulbs, and replacement with energy efficient bulbs, would reduce energy consumption and atmospheric carbon emissions. "While this is a good and necessary move, growers who need flowers ready in time for peak consumer buying periods want assurance that the light source they use will produce the desired results," he said.

"You may think that light from different bulbs wouldn’t make a lot of difference to how a flower grows, but research indicates that Compact Fluorescent Lights (CFL’s) can have varied effects on different plants." He says the tests measured the intensity of various bulbs then found out what growers thought about it. They (CFL’s) work just as fine as the incandescent bulbs because all you really need to do is just make sure that the plant registers that there is light because you’re pretty much just tricking it into thinking that it’s gone into day time again. So you really don’t need a real high intensity bulb."

Brock says overall the findings show compact fluorescent lamps are generally more expensive but they last longer, are more environmentally friendly and give growers savings on electricity costs. Brock is working with project partners Queensland Primary Industries and Fisheries (QPIF) and the Flower Association of Queensland as part of his Industrial Affiliates Program (IAP) project.

IT degree secures Adam’s software career

A work experience project helped Griffith Bachelor of IT graduate Adam Fairhurst beat hundreds of hopefuls to land a job with the Queensland Government.

During his final year of study, Adam worked with The Pharmacy Guild of Australia and developed a software prototype as part of his Industrial Affiliates Program (IAP) project.

For Adam, securing his job just months after graduating seemed “too good to be true.” "I know beyond a doubt, that without IAP, I wouldn’t be in the position I am today," Adam said.

"When you’re trying to stand out from the crowd against all other graduates each year, it’s pretty difficult to do unless you have practical experience in a workplace or the proven ability to apply the knowledge that you’ve gained over your years of study.”

As a Senior Developer for CorpTech, Adam is responsible for building and maintaining finance and HR applications for the State Government.

"I am the youngest in a development team of six people. We develop .NET 3.5 applications using Microsoft Visual Studio and build SQL Server databases as our storage medium. In my team alone, we have about 50 applications that we also maintain from day to day. These include time sheeting and employee self-service applications, to corporate card, financial reporting and travel management systems."

"The job at CorpTech is exactly the kind of role I had hoped for on completing my degree. This job gives me the chance to learn new technical skills and develop my knowledge, working for a company at the forefront of the ICT industry," Adam said.

The Industrial Affiliates Program is a work-integrated learning program designed to integrate students into the workplace through the completion of an industry-based project. It is designed to benefit both the student as well as the industry partner.

To find out more about Information Technology degrees visit: griffith.edu.au/IT

To find out more about the Industrial Affiliates Program and see student projects come to our IAP EXPO visit griffith.edu.au/industrial-affiliates-program

Beef up your resume with an IAP Project: IT graduate Adam Fairhurst on the job.
Brody discovers the world of research

Shailer Park high school student Brody Mallard found himself working on human cancer cells during work experience at the Institute for Glycomics last December.

Brody was the deserved winner of the 2009 Glycomics VIP Student Day Quiz. As part of his prize, Brody got to experience first-hand the life of a researcher for a week at the world-leading Institute for Glycomics, under the watchful supervision of Dr Joe Tiralongo.

Brody said it was a once in a lifetime experience he would never forget.

“I would have to say there were too many highlights to list! Meeting and working with Dr Tiralongo was exhilarating, and being able to see how real research laboratories work and function was fascinating,” Brody said.

“A particular highlight for me was to observe and interact with the breast cancer research being conducted by the university.”

Research being carried out at the $22 million Institute for Glycomics is to discover the roles carbohydrates play in disease and ageing. It is one of six dedicated glycomics research facilities in the world.

Using this knowledge, the institute is developing novel drugs and vaccines to interfere with the carbohydrate-related biological process of disease.

This promises a new avenue for the control of a variety of diseases such as cancer, arthritis, multiple sclerosis, food poisoning, and infectious disease such as bacterial meningitis, tuberculosis, malaria, and influenza and malaria.

Dr Tiralongo said it was a pleasure having Brody come and explore the world of research.

“I was extremely impressed with Brody’s ability to grasp complex ideas and undertake quite tricky experiments,” Dr Tiralongo said.

“It was an absolute pleasure having Brody in the lab, and a credit to his school. I believe that Brody has a bright future in scientific research, particularly biomolecular science, and I’d happily have him back in my lab.”

After school, Brody hopes to complete an Honours degree in Science and go on to complete a PhD in a useful scientific research area.

“Having attended work experience at the Institute for Glycomics, I have further looked into degrees in biomolecular science as a choice for my first degree,” he said.

The Institute for Glycomics VIP Student Days are back in 2010 and Brody recommends all students to attend.

“The experience is captivating and there are excellent hands-on group activities which allow students to interact with the researchers of the institute and other students with similar future aspirations,” he said.

Aviation student scoops women’s award

Griffith Aviation student Michelle Hewitt has been awarded for her outstanding contribution to supporting and encouraging other women into science, engineering and technology at the Our Women, Our State Awards.

Minister for Women Karen Struthers announced Michelle the winner of the Postgraduate Student Award at a ceremony in Brisbane.

“Young award winners like Michelle lead by example and inspire other women who might otherwise not have considered a non-traditional career such as aviation,” Ms Struthers said.

“It is wonderful to see young women with such a passion not only excelling in their own studies, but offering their time and energy to support others to get involved.”

In 2006, women made up 1.3 per cent of Queensland’s engineering graduates, and represented eight per cent of the State’s full-time engineering employees in 2007, up from six per cent a decade earlier.

“While this is encouraging, I urge other young women to explore the many different opportunities the engineering profession and the aviation industry have to offer,” Ms Struthers said.

Throughout her studies, Michelle mentored other female aviation students so they, too, could have the motivation and belief to achieve.

Michelle said she was delighted to receive the award for an area she is passionate about.

“I love being a part of the aviation industry and want to share this with other women and hope they too will get involved in this traditionally male-dominated industry,” she said.

For four years, Michelle has been an active member of the Australian Women Pilots’ Association Queensland (AWPA-Q), and her efforts in promoting the association to other female Griffith University aviation students have resulted in more than 50 new memberships.

She also volunteers for the Royal Flying Doctor Service, for which she has raised more than $20,000 to purchase new equipment, and conducts a range of presentations to Griffith’s Brigade groups across Brisbane to stimulate interest in aviation careers among young girls.

The Our Women, Our State Awards complement the Bligh Government’s Toward Q2 ambitions for a smarter, greener and more inclusive Queensland.

Aviation student Brody Mallard and The Institute for Glycomics

The world of drug discovery: High school student Brody Mallard at The Institute for Glycomics

Interested in scientific discovery? Test your knowledge. Give our interactive quiz a go!

Visit griffith.edu.au/biomolecular-science

The world of research: Michelle Hewitt awarded for her outstanding contribution to supporting and encouraging other women into science, engineering and technology.

Michelle Hewitt awarded for her outstanding contribution to supporting and encouraging other women into science, engineering and technology at the Our Women, Our State Awards. Ms Struthers said.

The Eureka’s are Australia’s premier awards for science and scientists. Presented annually by the Australian Museum, the Australian Museum Eureka Prizes reward excellence in the fields of research and innovation, science leadership, school science, and science journalism and communication.

This year 19 prizes are on offer with something for everyone whether you’re a scientist, school student, journalist, science teacher, young film maker, researcher, leader, innovator, educator, communicator, environmentalist or photographer!

Winners gain national recognition for their work and take home cash prizes.

Isn’t it time your work was rewarded and recognised more widely?

Check out the options and enter online at australianmuseum.net.au/eureka

Hurry entries close midnight AEST Friday, 7 May.

For more information about aviation degrees visit griffith.edu.au/aviation
Community forum series

This year the EcoCentre continues with its successful community forum series. Over the past two years, more than 1100 participants from government, community, industry, university staff and students have attended the forums on topics ranging from toxins in cosmetics to emerging cutting edge sustainable technologies. These popular forums utilise expert guest speakers and allow plenty of time for questions and discussion.

Vegetarian, certified organic snacks are served.

In 2010, the forum topics are:

- Chemical-Free Kids – 15 April 2010
- Nanotechnology – 27 May 2010
- Waste Management and the Environment – 22 July 2010
- Threatened Species Week – 9 September 2010
- Building Biology and Green Roofs – 18 November 2010

For further information please contact the EcoCentre on 3735 7992.

EcoCentre Sustainable and Healthy Living workshop series

In 2010, the EcoCentre will host its first-ever workshop series. The Sustainable and Healthy Living workshops will not only provide information on some of the environmental and healthy living issues facing our society but provide practical solutions you can put in place in your home and within your community to work towards living more sustainable, healthier lives. Workshop topics will cover water, energy, food and healthy homes.

The full-day workshops will be held on Saturdays and are completely free to attend (plus you’ll be provided with a fully organic vegetarian lunch!). All we ask in return is that after completing our workshop you commit to carrying out three actions that will help you reach the goal of living a sustainable and healthy life.

Workshop calendar:

- Water – 1 May 2010
- Energy and the low carbon diet – 12 June 2010
- Growing your own food – 21 August 2010
- Creating a healthy home – 23 October 2010

Places will be limited, so make sure you get in early.

For more information and registrations please visit griffith.edu.au/ecocentre
Science and Engineering Challenge 2010

Do you want an exciting way to show your students science and engineering in a new light?
Consider the Science and Engineering Challenge!
The aim of the Science and Engineering Challenge is to inspire young people, through fun and practical hands-on activities, about the opportunities available in science, technology and engineering.

Gold Coast Challenge
Date: 6 and 7 May, 2010
Queensland Academy for Health Sciences
Registrations have now closed.

Brisbane South Challenge
Date: 20, 21, 22 July, 2010
Venue: Insports Centre, Shailer Park
To register, please visit:
griffith.edu.au/science-engineering-challenge
Be quick registrations are closing soon.

Queensland State Challenge
Date: 24, 25, 26 August, 2010
Venue: Insports Centre, Shailer Park

This event is designed for years 10, 11 and 12 students who are interested in science, invention, drug discovery and maybe a career in research to come and experience hands-on lab activities at one of the world’s premier Biomolecular research facilities, The Institute for Glycomics.

When:
Wednesday 5 May or Thursday 6 May 2010
Tuesday 20 July or Wednesday 21 July 2010

For more information please contact
Sarah Bass on 07 5552 8532
or email
s.bass@griffith.edu.au

Pathways to Medicine information evenings
Griffith will once again be hosting its medicine information evenings.
Please mark these dates in your diary...

Gold Coast Challenge
Date: Monday 17 May 2010
Time: 6 – 7 pm
Venue: Gold Coast campus

Brisbane
Date: Wednesday 19 May 2010
Time: 5 – 6 pm
Venue: Nathan campus

To register for the Pathways to Medicine information evening visit griffith.edu.au/medicine

Architecture information evening
Date: Wednesday 9 June 2010
Time: 6 – 7.30 pm
Venue: Gold Coast Campus

To register for the Architecture information evening visit griffith.edu.au/architecture

Institute for Glycomics VIP Student Day
This event is designed for years 10, 11 and 12 students who are interested in science, invention, drug discovery and maybe a career in research to come and experience hands-on lab activities at one of the world’s premier Biomolecular research facilities, The Institute for Glycomics.

When:
Wednesday 5 May or Thursday 6 May 2010
Tuesday 20 July or Wednesday 21 July 2010

For more information please contact
Sarah Bass on 07 5552 8532
or email
s.bass@griffith.edu.au

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