From the editor

Warm and woolly greetings. Term Two brings us to the busy expo and careers evening season. The team has been travelling far and wide hosting Parent Information Seminars in Tauranga, Nelson, Christchurch, Dunedin, Gisborne and Auckland, with more to come in June in Whangārei, Palmerston North, Hawke’s Bay, Taranaki, Hamilton and Wellington.

This 2nd edition of Link for 2012 highlights some important changes to scholarship applications and subject preparation advice. The Subject Guide is an excellent tool for students in Years 10 - 12 as they make important subject choices that will affect their preparation for University.

Our Link conference for Careers Advisers was a fantastic two-day experience for our team to interact with you, and we are really pleased that so many of you enjoyed it. Please don’t hesitate to contact the Adviser assigned to your school any time you have a question - although we are on the road a lot, we are always checking emails and we like to hear from you. Our page for Careers Advisers: www.auckland.ac.nz/link

Warm wishes,
Rebecca and the Schools Partnership team.
The University of Auckland’s annual conference for Careers Advisers, held 30 April-1 May, was a stimulating two days of on-campus learning and inspiration.

Day one of the Link Conference was a day of campus exploration for the out-of-Auckland Careers Advisers, who were among the first to see the newly fitted Optometry and Pharmacy clinics, as well as the new University Hall. Day two was a showcase of students and academic staff across many disciplines, offering inspirational new research, teaching methods, and sage advice from students sharing their experiences of University life. Thanks to all for your participation. If you would like to share your ideas about what we can incorporate in future conferences, please send them through to Rebecca at r.sinclair@auckland.ac.nz
What’s on the calendar?

Parent Information Seminars: May – June 2012

Parents and students are invited to a University of Auckland information evening to hear about undergraduate study, accommodation, student life and much more. Seminars coming up in June: Whangārei (13 June), Palmerston North (14 June), Hawke’s Bay (19 June), Taranaki (19 June), Hamilton (19 June), and Wellington (27 June).

Courses and Careers Day: 25 August 2012

Courses and Careers Day, Saturday 25 August 2012, is our open day held at the Auckland City Campus for school students to experience campus life, tour the halls, and attend lectures and displays to learn more about study options. Students Years 9-13 and their parents are welcome. Programmes will be ready in July. Download a programme and find out more: www.coursesandcareers.auckland.ac.nz

International Student Day: 6 September

Year 13 international students studying at New Zealand secondary schools are invited to campus to find out what The University of Auckland has to offer. The International Office will be sending information to Auckland schools so students can register. For more information contact Karena in the International Office at k.moffat@auckland.ac.nz

Engineering Futures Evenings: July – August 2012

Parents and students are invited to learn about careers in Engineering. Visit: www.engineering.auckland.ac.nz/efe

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nelson</td>
<td>Tuesday 31 July</td>
<td>6.30pm</td>
<td>Quality Hotel</td>
</tr>
<tr>
<td>Whangarei</td>
<td>Wednesday 1 August</td>
<td>6.30pm</td>
<td>Forum North, Cafter 1 room</td>
</tr>
<tr>
<td>Dunedin</td>
<td>Thursday 2 August</td>
<td>6.30pm</td>
<td>Dunedin Public Art Gallery</td>
</tr>
<tr>
<td>Tauranga</td>
<td>Monday 6 August</td>
<td>6.30pm</td>
<td>Hotel Armitage</td>
</tr>
<tr>
<td>Hamilton</td>
<td>Tuesday 7 August</td>
<td>6.30pm</td>
<td>Novotel Hamilton</td>
</tr>
<tr>
<td>Auckland – central and east schools</td>
<td>Wednesday 8 August</td>
<td>6.30pm</td>
<td>Faculty of Engineering, Symonds St</td>
</tr>
<tr>
<td>Auckland – north shore, west, south schools</td>
<td>Thursday 9 August</td>
<td>6.30pm</td>
<td>Faculty of Engineering, Symonds St</td>
</tr>
<tr>
<td>New Plymouth</td>
<td>Monday 13 August</td>
<td>6.30pm</td>
<td>Quality Hotel Plymouth International</td>
</tr>
<tr>
<td>Napier</td>
<td>Monday 13 August</td>
<td>6.30pm</td>
<td>Hawkes Bay Club</td>
</tr>
<tr>
<td>Wellington</td>
<td>Wednesday 15 August</td>
<td>6.30pm</td>
<td>Wellington Boys College, Hall</td>
</tr>
<tr>
<td>Palmerston North</td>
<td>Thursday 16 August</td>
<td>6.30pm</td>
<td>Palmerston North Boys High school</td>
</tr>
</tbody>
</table>

Elam Fine Arts Tours and Workshops

Guided Tour of Elam Studios: Every Thursday at 1pm, from 10 May to 4 October. Please Book Online

Portfolio Preparation Workshops: Saturday 14 July, Saturday 1 September, Saturday 8 September. Please Book Online

Elam Road Shows: Christchurch Addington Raceway & Events Centre (15 August), Wellington City Art Gallery (16 August)

Elam Fine Arts Māori and Pacific Workshop (Date TBC). This is a two day workshop for prospective Māori and Pacific students who want to find out more about studying at Elam School of Fine Arts. 

Visit www.creative.auckland.ac.nz/elam or email for more information elamoffice@auckland.ac.nz

Calculate your rank score

Students can estimate their rank scores using our new online Rank Score Calculator. All NCEA and CIE students can use the calculator to enter their subjects and their anticipated grades to get a predicted rank score. The rank scores for guaranteed entry in 2013 are due to be printed and sent to schools in July 2012. www.rankscorecalculator.auckland.ac.nz
Anna Cooper, originally from Gisborne Girls High School, is in her first year of the Bachelor of Music majoring in Classical Performance. She is one of eight students who write a blog on the University website, to share her experiences with secondary school students. This is an extract from her “Inside Word” blog entry from May 2012.

“A question I get all the time is, ‘what do music students actually do?’ Most people presume everything we do is of a practical nature, that it involves performance and practicing all day long. Wrong. Only one out of my four papers relates to physically playing the flute. Interesting fact of the day: If I could re-do Year 13, English, History, Art History, Religious Education (I know you are thinking, huh?) and Music first-year music student shares the ‘inside word’ would probably be the most useful subjects. English – as everything is essay based. History – because we have to do a lot of research using primary/secondary sources, all the kind of stuff that you practice in History. Art History – especially if you study Renaissance/Mannerism/Venetian Painting as so much of the context, stylistic characteristics and fundamental values of art relate to music of the same era. Religious Education – this has surprised me the most, music owes a lot to religion. Who employed many composers? The Church. For what purpose did many composers compose music? The Church. Why was notated music developed? The Church. The Church was present in almost every development music has seen over the past few millennia. To know the history of the Church would be a great advantage. Finally, hopefully choosing Music as a subject is self-explanatory.”

Editor’s note: Anna is a Classical Performance Music student, so her subject advice may differ for those studying Jazz, Popular Music, Composition or Musicology.

To read more of Anna’s blogs, or other first-year student blogs, visit the Inside Word www.auckland.ac.nz/theinsideword

Update on the new online Scholarship Applications

The University of Auckland is replacing its old paper-based system of scholarship application forms with a more efficient online application system. So this year, students apply for their entry-level scholarships online. As part of this new process, applicants first complete an Application for Admission (AfA) on the University website before they apply for any University of Auckland scholarships. The Application for Admission is where the student identifies which degree programmes they wish to be considered for, and provide their personal details. While scholarships do not open until early July, students can start the process by completing an Application for Admission now. Simply go to the website www.auckland.ac.nz and click “Apply Now”.

The process for referees will also be managed online. In the past, referees have supplied paper-based references for students. Under the new system, the applicant will enter the email of their referee/s, and the referee will receive an email notification with a link to the system. They will then be given the option to complete the reference online which will be linked to the student’s application. Referees also have the option of declining a reference.

The new online system will be ready in early July and students can start their scholarship applications from this time. The Scholarships Office will be communicating to all schools during June to ensure both schools and applicants understand the new process and are well supported in the transition to the online system. There will be a “How to Apply” reference guide distributed to all schools. The closing date for the four main entry-level scholarships is 3 September 2012.

Early bird auditions for the School of Music

This year students applying for a Bachelor of Music (BMus) majoring in Classical Performance, Jazz Performance or Popular Music will have the opportunity to opt for an early-bird audition and receive a conditional offer onto the programme for 2013.

The early-bird auditions coincide with the University open day on Saturday 25 August, which will benefit out-of-Auckland students who can attend the open day and have their music audition in the same weekend. Auditions will take place Sunday 26 and Monday 27 August 2012. Students wanting an early-bird audition must submit all parts of their application for admission by Wednesday 1 August 2012. The final date for BMus applications (Classical Performance, Jazz Performance, Popular Music) is otherwise 1 October 2012, with auditions taking place in late October.

For more information visit www.creative.auckland.ac.nz/study-bmus
The University of Auckland’s Master of Speech Language Therapy Practice (MSLTPrac) provides students with a clinical qualification to work in New Zealand or overseas. While there are equivalent clinical degrees taught at a Bachelors degree level at other institutions, there are some benefits to having the Masters. Masters graduates can be highly sought after and have the advantage of having a range of life experiences and academic backgrounds when they enter the speech language therapy profession. The Masters is a great option for students unsure of their future career, who want to first explore options in the Arts or Sciences in subjects such as Psychology.

Why speech language is the Master

What background do I need?

A Bachelors degree in a related subject such as a BSc or BA in Psychology, a BA in Linguistics, a Bachelor of Education or a Bachelor of Health Sciences. Students are selected on their grade point average and relevant work or volunteer experiences, and must demonstrate they have the personal qualities necessary to undertake a clinical degree of this kind.

What’s involved?

The MSLTPrac is two years, following a three-year undergraduate degree. Students will study speech and language, communication disorders, eating, drinking and swallowing disorders, linguistics, anatomy and physiology, psychology and education. Students spend time working in the field in health, education and special school settings, and gain clinical experience at The University of Auckland clinics at Tāmaki.

What are the career opportunities?

MSLTPrac graduates work in a range of settings including District Health Board hospital and community settings, special schools, mainstream schools, facilities for people with acquired brain injuries and in private practice. The Ministry of Education usually employs a group of new graduates each year who would work with children aged 0-8 years in early intervention and school settings. Graduates can work with clients across the lifespan from birth to older age, depending on the work setting.

2013 prospectuses are here

What in the world do I want to study?

The “What in the World do I want to Study” pamphlet is a fun question and answer resource designed for Year 10s and 11s. If you would like to order some of these for your Careers classes, please email spo@auckland.ac.nz

Order your 2013 faculty prospectuses via the online order form www.auckland.ac.nz/link or by calling 0800 61 62 63
Erna Takazama completed her Bachelor of Optometry in 2011 and has now gone on to become Samoa’s first optometrist. Erna works at the Samoa Vision Centre which began as an optical workshop in 2011 where children and members of the public could get prescribed eye glasses, with the help of technicians and visiting consultants. The centre was never complete without a permanent optometrist in the house to provide for professional diagnoses and prescriptions.

Erna tells her story:

“I was born in Japan and my family moved to Samoa when I was still very young. Being born in a country with one of the world’s largest economies to being raised in a third-world country has definitely given me insight into the wide gap between the two with regards to the state of infrastructure and the availability of human resources.

“I’ve always wanted to do something substantial; to make a difference in people’s quality of life. I felt that being in the healthcare industry would allow me to achieve this goal. After carefully considering my options and doing some research, I recognised that Samoa had no local optometrist and there was also a general lack of optometrists in the Islands. I thought this decision would provide the best opportunity to further my goals of helping the community and challenging myself - which is essential to me.

“I came to The University of Auckland to pursue my studies in Optometry because not only did it have one of the top Optometry schools in the Southern Hemisphere but it’s close to home. After meeting several eye-care practitioners, I felt more secure in my decision because not only did I sense satisfaction with their working lives and careers, I felt they had time for family life and spending quality social time outside of work. This is important to me as I believe in balancing one’s life.

“I loved my time at the University. I had the privilege of great lecturers and tutors who gave me specialised knowledge in the field and motivated me to become a better clinician. They were always supportive and very passionate about their work. Being chosen as one of the teaching assistants for the fourth-year contact lens lab, I was thrilled I had the chance to give back to my juniors. Teaching was a richly rewarding experience that demanded I stay up to date with my studies and further stimulated my interest in contact lenses and the field in general.

“I have also been fortunate to have received the Ciba Vision scholarship which aided my externship expenses at Visique Rose Optometrists as well as at Greenlane Eye Hospital. I obtained vast knowledge on the diagnosis and management of ocular pathology as well as a greater understanding of contact lenses.*

**Spotlight on a Law graduate**

**Graduate becomes Samoa’s first optometrist**

Name: Lewis Mills
Originally from: Burnside High School, Christchurch
Studied: BA/LLB(Hons) (graduated 2012)
Favourite course: Counter-terrorism Law

“Coming to study at Auckland after going to high school in the South Island was a big decision but one I’ve never regretted. The warm weather took some getting used to after Christchurch but the relaxed atmosphere and supportive faculty made the transition easy. I wanted to come to Auckland because I knew the University had a great reputation and because I wanted the faster pace of living in the city. I was attracted to law because of the problem-solving aspect and the opportunity to get really immersed in a topic.”

“Auckland has a great Law faculty and offers the broadest range of elective courses in the country, including topics like healthcare law, youth justice and counter-terrorism law, which was my favourite course. The range of courses are supplemented by a strong mooting programme through which Auckland students have won the national competition and represented the country at an international level for the past five consecutive years. One of the good things about Auckland being the highest-ranked New Zealand Law School in international surveys is that Auckland students have access to awesome exchange opportunities; I was able to spend my last semester at the beautiful University of Virginia. There are also plenty of groups to get involved in at Auckland, like the Law Students’ Society, the Equal Justice Project and the Auckland University Law Review. Most importantly, there’s the chance to meet lots of amazing people.”

This year Lewis has started work as a criminal prosecutor and regulatory enforcement lawyer in Auckland.

**What are three good reasons to study at Auckland?**

**Name:** Lewis Mills
**Originally from:** Burnside High School, Christchurch
**Studied:** BA/LLB(Hons) (graduated 2012)
**Favourite course:** Counter-terrorism Law

**How and why did you decide on The University of Auckland and your degree programme?**

**New Auckland law scholarships**

The Faculty of Law is offering ten scholarships to top academic Year 13 students entering LLB Part I. Go online www.law.auckland.ac.nz
Subject Guide for best preparation

The Subject Guide outlines the Year 13 subjects that will prepare students for success in their degree. The subjects are only suggested and are additional to the actual subject requirements to gain admission. Admission requirements can be found in the 2013 Undergraduate Prospectus. Updates to the 2013 Subject Guide include:

- **Bachelor of Commerce**: Students intending to major in Economics are strongly advised to study Mathematics with Calculus through to Year 13
- **Bachelor of Medicine & Bachelor of Surgery**: Biology, Chemistry and at least one English rich subject are strongly recommended
- **Bachelor of Pharmacy**: Biology and Chemistry are required, and any of the following are also recommended: An English-rich subject, Physics, Mathematics with Calculus, Statistics and Modelling
- **Bachelor of Technology** – Biotechnology specialisation: Biology, Chemistry and a language-rich subject recommended, Physics and Statistics useful
- **Bachelor of Technology** – Medical Physics and Imaging specialisation: Biology, Physics, Chemistry recommended, Calculus useful
- **Bachelor of Technology** – Optoelectronics specialisation: Physics and Calculus highly recommended, Chemistry useful
- **Bachelor of Architectural Studies**: Art subjects offer good preparation for your portfolio. There is no requirement for subjects such as Graphic Design, Statistics & Modeling, Mathematics with Calculus or Physics
- **Bachelor of Fine Arts**: Art subjects offer good preparation
- **Bachelor of Planning**: English and Geography may offer good preparation

To order additional copies of the Subject Guide, contact the Schools Partnership Office spo@auckland.ac.nz

New discovery centre highlights Marine Science careers

Students with an interest and passion for marine science are encouraged to visit the University’s new Marine Discovery Centre, located at Goat Island. The centre, part of the Faculty of Science Leigh Marine Laboratory facilities, also provides school groups with a unique way of gaining an understanding about science. The centre caters for all year levels at high school, and ties in well with biology, physics, earth and space science.

These groups can access marine experts and experience displays which illustrate the wide range of scientific investigations carried out at the lab.

Graduate students help staff the centre, which is also open to the general public.

Marine Science or Marine Biology - what’s the difference?

Marine Science is the study of the ocean, and this includes Marine Biology, the study of ocean organisms. Marine Science encompasses all aspects of the ocean – marine organisms, physical oceanography (tides, waves), chemical oceanography (sea salts, properties of water), geological oceanography (sea floors).

The BSc - Marine Science at The University of Auckland is designed to be studied alongside another complementary field of Science such as Biological Sciences, Chemistry, Geography, Geology, Physics or Statistics.

Leigh Marine Laboratory offers a wide range of undergraduate topics, involving residential field courses based at the Leigh Marine Laboratory in Goat Island:

- MARINE 202 Principles of Marine Science
- MARINE 302 Dynamics of Marine Systems
- BIOSCI 328 Fisheries and Aquaculture
- BIOSCI 329 Biology of Fish
- BIOSCI 330 Freshwater and Estuarine Ecology
- BIOSCI 333 Marine Ecology
- BIOSCI 335 Ecological Physiology
- BIOSCI 394 Conservation Ecology
- GEOG 351 Coastal and Marine Geography
- GEOG 330 Research Methods in Physical Geography
- GEOLOGY 303 Paleoenvironments and Paleoecology
- GEOLOGY 361 Applied Geophysics
- GEOPHYS 331 Physics of the Atmosphere and Ocean
**Profile on the Bachelor of Technology**

The Bachelor of Technology (BTEch) is a 4-year interfaculty honours degree taught across the faculties of Science, Engineering, Medical and Health Science, and Business. With only 25 places available in each of the four specialisations, and the opportunity to undertake an industry-related research project, BTEch graduates gain unique “on-the-job” experience and the specialised knowledge increasingly in demand among global technological industries.

Rank scores for entry to BTEch: NCEA 220, CIE 230, IB 27 (may increase for 2013)

Subject requirements: None

Suggested subjects for preparation: See individual specialisations below

---

### BTECH – MEDICAL PHYSICS AND IMAGING TECHNOLOGY

*Faculty of Science & Faculty of Medical and Health Sciences*

School subjects for preparation: Physics, Biology, Chemistry, English-rich subjects

Medical Physics and Imaging Technology is an area of the medical and health industry experiencing rapid growth and in need of suitably qualified graduates. Students develop their knowledge of physics, biology and calculus by undertaking specialist research-led training in biophotonics, biomedical imaging and instrumentation. This training provides them with unique skills in the design and application of Imaging Technologies.

Most graduates enter the workforce as medical physicists or take up research positions in international research and development institutions or universities.

---

### BTECH – BIOTECHNOLOGY

*Faculty of Science & Business School*

School subjects for preparation: Physics, Biology, Chemistry, Statistics, English-rich subjects

Biotechnology is a multi-disciplinary specialisation which equips students with a foundation in biological sciences, biotechnology and entrepreneurship. Key areas of focus include fermentation technology, aspects of medical technology, down-stream processing and protein purification and technology management, with a strong emphasis on the social, legal and ethical position of biotechnology in society.

Future career opportunities could include technical and research assistant positions with Crown Research Institutes, pharmaceutical and biotechnology companies, the brewing, dairy and other fermentation industries as well as diagnostic facilities in medicine and agriculture.

---

### BTECH – OPTOELECTRONICS

*Faculty of Science & Faculty of Engineering*

School subjects for preparation: Physics, Mathematics with Calculus

Optoelectronics, also known as "photronics" or "electro-optics", is the study and application of devices that manipulate, transmit and store data by using visible light or radiation. Photonic technologies are used daily in areas such as automobile engineering, LED-based lighting systems, optical fibre communication systems and defence systems. As the demand for technology with optical and photonic components increases, so does the demand for graduates with an understanding of this technology. Students will build on their background in mathematics and physics with specialist training in photonic and electronic engineering, and by undertaking courses in the areas of computer science and the management of technology.

First year scholarships are available to students enrolling in this programme: The Southern Photonics Undergraduate Scholarship [www.auckland.ac.nz/scholarship](http://www.auckland.ac.nz/scholarship)

---

### BTECH – INFORMATION TECHNOLOGY

*Faculty of Science*

School subjects for preparation: Physics, Mathematics with Calculus

Information Technology refers to the management of information in data communication systems and computers. Students will learn how to use equipment involved in the storage, processing and transfer of this information. They will begin by gaining a wide range of skills in complementary areas of physics, mathematics, information systems and software design and database systems, to data communications and internet programming.

BTEch graduates often enter the workplace as software developers and gain rapid salary increases as they become more experienced and move into positions of higher responsibility.