THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

JUST THE BASICS

2010

www.newcastle.edu.au

WHAT'S THE DEAL?

UNI WILL OPEN DOORS TO OPPORTUNITIES THAT YOU DIDN'T EVEN KNOW EXISTED.

IT MEANS BETTER JOBS, BETTER PAY AND GREATER CAREER POSSIBILITIES.

IN TERMS OF EARNINGS, A BACHELOR DEGREE HAS THE LARGEST IMPACT, INCREASING EARNINGS BY ABOUT 31 PER CENT ON AVERAGE.*

IT ALLOWS YOU TO MEET NEW PEOPLE FROM A DIVERSE RANGE OF BACKGROUNDS AND CULTURES AND CAN PROVIDE YOU WITH OPPORTUNITIES TO TRAVEL AND WORK AROUND THE WORLD.

**Source: Australian Council for Educational Research, January 2009.*

SELECTING SUBJECTS FOR YEAR 11 AND 12

Year 10 is the time to start thinking about life after school. You will be asked to make a decision about what subjects you want to study in Year 11 and 12, and this is an important time to think about future study options and start some research and planning.

If you're thinking about going to uni, the subjects you choose in Year 11 and 12 should reflect the degree that you wish to study. To help you with this, info about assumed knowledge and recommended studies is listed alongside degree programs in this brochure.

Assumed knowledge are subjects that you should have studied before starting your degree program. Teaching will begin on the basis that you have this knowledge. You can still apply even if you haven't studied them, but you may want to consider a bridging course as study may be difficult without this background knowledge.

Recommended studies are Higher School Certificate (HSC) subjects that are related to the degree. These subjects are not compulsory, but they may help you prepare for your university studies.

It's important to select subjects that you enjoy, suit your skills and match your career goals. You're more likely to apply yourself to those subjects and achieve better marks. Try to keep your options open. You may find that your interests change between Year 10 and when you apply for uni.

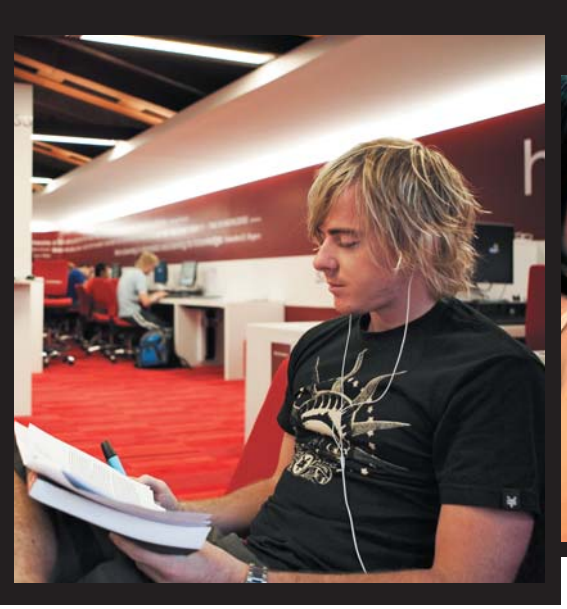
HOW IS UNI DIFFERENT TO SCHOOL?

Uni is not 9am to 3.30pm, Monday to Friday. Uni is a mix of lectures, tutorials, assignments, exams and group studies. You select your subjects for each semester and choose which lectures and tutorials you want to attend. You'll be responsible for managing your own timetable, getting your assignments in on time, and turning up to class.

There's more to uni than just textbooks. In fact if you spent all your time with your nose in a book, you would definitely be missing out. There are heaps of social activities that will broaden your journey such as clubs and societies and live music.

WHO GOES TO UNI?

Everyone's pathway to uni is different and our students come from all walks of life. Some come to uni straight from school, others go to TAFE and then come to uni. Not all students attending university have achieved a high Universities Admission Index (UAI).



HOW DO I GET INTO UNI?

If you are completing the HSC you will be given a rank that shows how well you went in your overall marks compared to other students. This rank is called the UAI and is used for selection into university courses. Universities work out how many positions are available in each course and set a minimum UAI for entry, which is the score of the last person admitted to the program. UAIs from previous years should be taken as a guide only as they can change from year to year according to demand.

Year 12 Bonus Points Scheme

You will receive bonus UAI points if you have applied for a degree program that awards bonus points, and have completed the relevant HSC subjects. Visit the Uni's website for details.

Bonus points for regional students

Current HSC students who attend schools in a defined regional or rural postcode boundary are automatically awarded an additional four points to the UAI through the University of Newcastle Regional and Rural Preference Scheme. The Scheme includes schools and TAFE colleges with postcodes in the Hunter, Central Coast, Central West, Northern Rivers, Mid-North Coast, New England, Western Plains and Broken Hill mail centres. It applies to all undergraduate programs except the Bachelor of Medicine – Joint Medical Program.

Visit www.newcastle.edu.au/futurestudents

SELECTING A DEGREE PROGRAM

Looking at your own skills and abilities is the first place to start. Ask your family and friends what they think you're good at – it's important to think about your skills and personality.

For example, are you better working with your hands than writing an essay? Are you a people person?

Do your research

- Think about what career you might be interested in and find out what qualifications you need. A good place to start is the positions vacant section of newspapers.
- Find out about employment prospects, salaries and working hours to make sure the career you choose will suit the lifestyle you want.
- Research different tertiary institutions to see which will give you the most relevant qualifications and opportunities to gain practical experience and professional accreditation.

Visit our website www.newcastle.edu.au/futurestudents

You'll find information on degree programs, entry requirements and the application process, and student support services.

Make sure you visit our program pages that have information on career opportunities, our hands-on approach to study, and what our students say. Check out the student profiles – real stories from current students and graduates.

Speak up and ask questions

Don't be afraid to ask for help and information. Seek out people who work in the occupations and industries you're interested in. Talk to uni friends, your careers adviser or our staff at markets and events, visit our website, or call our enquiry centre on **02 4921 5000**.

Taste life on campus

The University hosts a variety of on-campus events designed to help future students find out what Uni life is really like. Talk to lecturers, students and staff, experience life on campus and explore the services available to you. Our Info Days, held every August/September, are a terrific way to sample university. For more info, visit www.newcastle.edu.au/futurestudents

“IN YEAR 10 I WAS COMPLETELY CLUELESS AND I GOT MYSELF REALLY WORRIED ABOUT SUBJECT SELECTION FOR MY FINAL YEARS OF HIGH SCHOOL!

IN THE END I JUST PICKED SUBJECTS BASED ON MY STRENGTHS AND INTERESTS.

SO EVEN THOUGH YOU’VE PROBABLY BEEN TOLD EXACTLY THAT 100 TIMES ALREADY, IT REALLY IS THE BEST ADVICE!”

Ellenor Hayes
Bachelor of Communication/
Bachelor of Laws

5 FIVE REASONS TO CHOOSE THE UNIVERSITY OF NEWCASTLE

People who study here do well
We produce self-confident, well-equipped, ‘job-ready’ graduates. Employment rates and starting salaries for our graduates are higher than the national average.

We are hands-on and responsive in the way we teach
Our degree programs focus on both academic and professional training. You will be taught in a variety of methods and can gain real-life experience from field excursions and long-term work placements.

A great environment for study
We have a student population of more than 30,000, including some 3,500 international students from more than 80 countries. Our campuses at Newcastle, the Central Coast and Port Macquarie are in bushland settings and close to some of Australia’s most beautiful beaches.

A place of opportunity
Whether you want to broaden your mind, advance your career, increase your knowledge, travel the globe or change the world, the University of Newcastle can provide you with the opportunity and real-life skills to do it.

World-class research
The University is nationally ranked in Australia’s top 10 research universities.

VISIT US ONLINE

www.newcastle.edu.au/futurestudents

VISIT US IN PERSON

Newcastle Info Day
Saturday 29 August 2009
University Drive, Callaghan

Central Coast Open Day
Saturday 22 August 2009
Chittaway Road, Ourimbah

Port Macquarie Info Evening
Thursday 3 September 2009
Port Macquarie Panthers

UoN 2009/1127 | CRICOS Provider 00109J

Degree Program	UAI cut-off in 2009	Minimum full-time duration	P = Program Prerequisite R = Recommended Studies A = Assumed Knowledge	Location	Areas of study
Bachelor of Aboriginal Studies	63.40	3 years	Nil	N	Aboriginal cultural studies, Aboriginal research methods and field practice, communication studies
Bachelor of Arts	62.70	3 years	R = Advanced English and for psychology studies – Mathematics	N CC	Aboriginal studies, ancient history, Chinese, classical languages (Latin and Greek), creative arts, drama, English, film, media and cultural studies, French, German, human geography and the environment, history, international affairs, Japanese, linguistics, philosophy, politics and policy, psychology studies, religious studies, sociology and anthropology and writing. Please note that all majors are not available on both campuses.
Bachelor of Arts/Bachelor of Science	86.85	4 years	A/R = refer to relevant degrees	N	As listed for B Arts and B Science
Bachelor of Biomedical Science	86.00	3 years	A = Mathematics, Physics, Biology or Chemistry	N	Human anatomy and physiology, cell and molecular biology, biochemistry, immunology, bacteriology, virology, pharmacology, bioinformatics, human genetics, genetic engineering. Specialist topics such as neuroscience, cancer biology and human genomics.
Bachelor of Biotechnology	70.80	3 years	A = Mathematics and Chemistry R = Physics	N	Biology, biochemistry, statistics, physics, molecular genetics and molecular biology
Bachelor of Business	63.30	3 years	A = Mathematics	N CC	Human resource management, marketing, international business, management, tourism and supply chain management
Bachelor of Business/Bachelor of Commerce	80.75	4 years	A = Mathematics	N CC	As listed for B Business and B Commerce
Bachelor of Commerce	60.05	3 years	A = Mathematics	N CC	Accounting, economics and finance. Accounting is the only major available at the Central Coast campus.
Bachelor of Communication	79.50	3 years	Nil	N	Journalism, media production, media studies, public relations
Bachelor of Computer Science	76.30	3 years	A = Mathematics (Band 5 or above) or Mathematics Extension 1 (Band E1 or above) or equivalent R = one science-related subject	N	Different programming languages, advanced programming techniques, experimental and theoretical aspects in computer science, algorithms, fundamentals of software development, artificial intelligence, computer graphics, computer networks, database systems, data security, operating systems and web engineering
Bachelor of Construction Management	70.70	4 years	R = English and Mathematics	N D	Construction technology, ecology, management, communication, law, economics, tendering, procurement, health and safety, finance and facilities management
Bachelor of Design (Architecture)	85.00	3 years	R = Any two units of English, Industrial Technology and/or Physics and/or Visual Arts and/or Mathematics	N	Construction technology, construction ecology, communication, computing and the history and theory of architecture
Bachelor of Development Studies	75.05	3 years	Nil	N	Cultures and citizenship, global and economic development, environmental sustainability, urban and regional development
Bachelor of Engineering - Chemical - Civil - Computer - Electrical - Environmental - Mechanical - Mechatronics - Software - Telecommunications	74.00 75.15 74.00 75.40 74.10 74.65 75.10 74.75 70.20	4 years	A = Mathematics (Band 5 or above) or Mathematics Extension 1 or equivalent R = Study of one science-related subject would be an advantage. Physics is preferred for computer, electrical and telecommunications engineering.	N	
Bachelor of Engineering (Mining Transfer Program)	74.15	4 years	A = Mathematics (Band 5 or above) or Mathematics Extension 1 or equivalent R = Study of one science-related subject would be an advantage	N	The first two years of this program are completed at the University of Newcastle Callaghan campus. In third year students transfer to either the University of NSW or the University of Wollongong.
Bachelor of Engineering/ Bachelor of Business	80.15	5 years	A/R = refer to relevant degrees	N	Chemical engineering, civil engineering, electrical engineering, mechanical engineering, plus majors listed under B Business
Bachelor of Engineering/ Bachelor of Mathematics	80.15	5 years	A/R = refer to relevant degrees	N	Chemical engineering, computer engineering, electrical engineering plus mathematics
Bachelor of Engineering/Bachelor of Science	80.15	5 years	A/R = refer to relevant degrees	N	Chemical engineering, environmental engineering, computer engineering, mechanical engineering, telecommunications engineering and a corresponding science major
Bachelor of Engineering (Civil)/ Bachelor of Engineering (Environmental)	80.15	5 years	A/R = refer to relevant degrees	N	Civil engineering and environmental engineering
Bachelor of Engineering (Civil)/ Bachelor of Surveying	80.15	5 years	A/R = refer to relevant degrees	N	Civil engineering and surveying
Bachelor of Engineering (Computer)/ Bachelor of Computer Science	80.15	5 years	A/R = refer to relevant degrees	N	Computer engineering and computer science
Bachelor of Environmental Science and Management	69.00	3 years	R = Chemistry, Biology, Mathematics or equivalent	N	Living systems (biodiversity, conservation and restoration), physical systems (air, land and water) and social systems (sustainability, policy and futures)
Bachelor of Exercise and Sport Science	80.20	3 years	A = HSC level in at least two science subjects (eg. Biology, Chemistry, Physics and/or Mathematics) R = PDHPE	CC	Human anatomy and physiology, biomechanics, sport psychology, exercise testing and prescription, exercise physiology, sports nutrition and sports management
Bachelor of Fine Art	61.20	3 years	A = Two unit Visual Arts or equivalent	N	2D art (drawing, painting and printmaking), 3D art (ceramics, fibres/textiles, sculpture), art history/theory, photomedia (photography and digital imaging) and video
Bachelor of Food Science and Human Nutrition	70.50	3 years	R = Chemistry or Biology or Mathematics	CC	Food technology, human nutrition
Bachelor of Industrial Design	N/A	1 year*	P = Advanced Diploma in Product Design and Development (TAFE NSW course code 7555) or an Advanced Diploma of Product Design and Innovation (TAFE NSW course code 19220) or an approved equivalent qualification from a recognised AQF provider	N	Industrial design professional project, industrial design innovation project, sustainability, ethics, computer imaging
Bachelor of Information Technology	67.20	3 years	Nil	N CC	Business information systems, information technology applications, web development, digital entertainment and management. Not all majors are available at all campuses.
Bachelor of Aboriginal Studies/ Bachelor of Laws	92.90	5 years*	Refer to B Aboriginal Studies	N	Law, plus majors listed for B Aboriginal Studies
Bachelor of Arts/Bachelor of Laws	92.90	5 years*	Refer to B Arts	N	Law, plus majors listed for B Arts
Bachelor of Business/Bachelor of Laws	92.90	5 years*	Refer to B Business	N	Law, plus majors listed for B Business
Bachelor of Commerce/Bachelor of Laws	92.90	5 years*	Refer to B Commerce	N	Law, plus majors listed for B Commerce
Bachelor of Communication/Bachelor of Laws	92.90	5 years*	Refer to B Communication	N	Law, plus majors listed for B Communication
Bachelor of Science/Bachelor of Laws	92.90	5 years*	Refer to B Science	N	Law, plus majors listed for B Science
Bachelor of Social Science/Bachelor of Laws	92.90	5 years*	Refer to B Social Science	N	Law, plus majors listed for B Social Science
Bachelor of Laws (Graduate Admission)	Y	3 years	P = Graduate admission only	N	Law
Bachelor of Mathematics	80.55	3 years	A = Mathematics R = Mathematics Extension 1 or equivalent	N	Mathematics, computer science, physics and finance and statistics
Bachelor of Mathematics/ Bachelor of Computer Science	92.80	4 years	A/R = refer to relevant degrees	N	Mathematics, computer science
Bachelor of Mathematics/Bachelor of Science	91.70	4 years	A/R = refer to relevant degrees	N	Mathematics, science
Bachelor of Medical Radiation Science (Diagnostic Radiography)	91.95	3 years*	A = English and Mathematics or Physics	N	Diagnostic radiography methods and clinical placement, anatomy and physiology, physics, imaging intrumentation, patient care and behavioural science, statistics
Bachelor of Medical Radiation Science (Nuclear Medicine)	81.50	3 years*	A = English and Mathematics or Physics	N	Nuclear medicine methods and clinical placement, anatomy and physiology, physics, imaging intrumentation, radiopharmacy, patient care and behavioural science, statistics
Bachelor of Medical Radiation Science (Radiation Therapy)	79.00	3 years*	A = English and Mathematics or Physics	N	Radiation therapy methods and clinical placement, anatomy and physiology, physics, imaging and treatment intrumentation, patient care and behavioural science, statistics
Bachelor of Medicine – Joint Medical Program (JMP)	N/A	5 years*	P = Additional direct application to JMP and on-time applications to UMAT R = Any two units of English	N*	Medicine
Bachelor of Music	N/A	3 years	P = Audition, interview and tests and UAI or equivalent A = Music 1 or 2 or demonstrated musical expertise	N CP	Composition, musicology, performance (instrument, voice), studio teaching (private), second instrument or creative production
Bachelor of Music/Bachelor of Arts	N/A	4 years	P/A = Refer to B Music and B Arts	N CP	As listed for B Music and B Arts
Bachelor of Natural History Illustration	73.00	3 years	R = Visual Arts and/or Textiles and Design and/or Design and Technology and/or Science and/or Biology and/or Geography	N	Natural history illustration
Bachelor of Nursing	61.80	3 years	R = Biology or Chemistry and Advanced English. Computer skills are required.	N CC PM	Nursing, mental health, aged care
Bachelor of Nutrition and Dietetics	89.15	4 years*	R = Chemistry	N	Nutrition and dietetics
Bachelor of Occupational Therapy	85.10	4 years*	R = Biology and Chemistry	N	Occupational therapy
Bachelor of Oral Health	83.50	3 years*	A = Biology and Chemistry	CC	Oral Health
Bachelor of Physiotherapy	97.50	4 years*	A = Chemistry, Physics, Biology and Advanced English	N	Physiotherapy
Bachelor of Podiatry	77.40	3 years*	A = Chemistry, Biology and Physics	CC	Podiatry
Bachelor of Psychology	78.70	4 years	A = Mathematics R = Biology	N CC	All areas of study required by the Australian Psychological Society such as development, cognition, motivation, learning, statistics and methodology, psychobiology, testing and assessment, social psychology, inter-cultural and Indigenous and abnormal/clinical psychology
Bachelor of Science	65.95	3 years	A = Mathematics R = Biology and/or Chemistry and/or Mathematics and/or Physics	N CC	Biological sciences, chemistry, earth sciences, geography and environmental studies, mathematics, marine science, photonics, physics, psychology, statistics and sustainable resource management. Not all majors are available at both campuses.
Bachelor of Social Science	62.10	3 years	R =Advanced English and Mathematics for psychology	N CC	Aboriginal studies, community welfare and human services, economic policy analysis, gender studies, film, media and cultural studies, historical studies, human geography, industrial relations and human resource management, leisure and tourism studies, linguistics, philosophical and religious studies, politics and policy, psychology studies, sociology and anthropology. Not all majors are available at both campuses.
Bachelor of Social Work	80.65	4 years*	R = for psychology – Mathematics	N	Social work
Bachelor of Speech Pathology	79.55	4 years	R = Biology, Chemistry, Mathematics and Advanced English	N	Speech pathology, linguistics, psychology, bioscience, anatomy
Bachelor of Surveying	71.85	4 years	A = Mathematics (Band 5 or above) or Mathematics Extension 1 or equivalent R = study of one science-related subject	N	Surveying
Bachelor of Teaching/Bachelor of Arts	60.95	4 years	R = For secondary teaching Band 4 or above in English. For primary teaching Band 4 or above in English and Mathematics.	N CC PM	Primary teaching or secondary teaching specialisations in English or social sciences
Bachelor of Teaching/ Bachelor of Design and Technology	64.70	4 years	R= Chemistry, Mathematics plus either Design and Technology, Food Technology, Textiles and Design or Engineering Science. For secondary teaching Band 4 or above in English.	N	Design and technology, technological and applied studies teaching
Bachelor of Teaching/ Bachelor of Early Childhood Studies	61.30	4 years	R = For primary teaching Band 4 or above in English and Mathematics	N	Early childhood education
Bachelor of Teaching/Bachelor of Fine Art	64.45	4 years	R = For secondary teaching Band 4 or above in English and Visual Arts	N	Visual arts and education/teaching with emphasis upon practical and theoretical studies in visual arts
Bachelor of Teaching/ Bachelor of Health and Physical Education	67.65	4 years	R = For secondary teaching Band 4 or above in English, PDHPE, and Biology, Chemistry or Physics	N	Personal development, health and physical education teaching
Bachelor of Teaching/Bachelor of Science	64.55	4 years	A = HSC Mathematics and Band 4 or above in English R = Physics and/or Chemistry and/or Biology (for science teaching)	N	Mathematics teaching or science teaching (physics, chemistry, biology or geology)
Bachelor of Theology	60.10	3 years	Nil	N	Theology and religious studies
Bachelor of Visual Communication Design	78.80	3 years	A = Visual Arts or Textiles and Design and/or Design and Technology and/or Industrial Technology	N	Digital design, graphic and illustration design

N = Newcastle (Callaghan)
CP = Newcastle (City Precinct)
CC = Central Coast (Ourimbah)
PM = Port Macquarie
D = Distance
FD = Flexible Delivery

P = Prerequisites
Course or courses that must be completed before an offer of a place in a certain degree program will be made.

A = Assumed knowledge
Course(s) desirable for success in a certain degree program. Teaching will commence on the basis of that assumed knowledge.

R = Recommended studies
Course(s) that will assist you in preparing for a certain degree.

If you are not a NSW applicant, program prerequisites, assumed knowledge and recommended studies may have an equivalent – please check this with the University.

All programs are subject to routine review, this may result in changes to program and course offerings.

* indicates programs only available full-time. While the majority of programs can be studied either full-time or part-time, part-time study does not always indicate that lectures are available at night.

^ offered jointly by the University of Newcastle and the University of New England.

N/A indicates selection criteria other than, or in addition to, the UAI were used.

Y indicates course not available to current year 12 applicants.

NB: The UAI published is the UAI cut-off for 2009. UAIs vary from year to year, the cut-off published is to be used as an indicator only and may not reflect the actual UAI cut-off for 2010. In addition, students may be permitted to enter degree programs with an UAI less than the published cut-off through special entry schemes.