SUMMARY OF THE FINDINGS OF THE WORKING PARTY ON UNDERGRADUATE DEGREE STRUCTURES AT THE UNIVERSITY OF SYDNEY

The working party was formed following discussions at various forums on the complexity of undergraduate degrees at the University of Sydney. The committee was charged with surveying and reviewing the existing undergraduate degrees, with a view to streamlining and reorganizing them, and to investigate the introduction of a new generalist degree. More specifically, the terms of reference were to:

1. Survey undergraduate degrees in the professional faculties (Law, Pharmacy, Engineering, Veterinary Science and Health Sciences) to identify possible conversions to postgraduate degrees.
2. Survey existing degrees in the faculties of Arts, Science, Economics and Business, AFNR, and Engineering and IT, with a view to converting some of the named ("vocational") degrees to majors and/or postgraduate degrees.
3. Review the curricula of the broad degrees in Arts and Science (Bachelor of Arts and Science, Bachelor of Science and Technology, and the Bachelor of Liberal Studies) to consider whether a single three year degree (possibly with a four year advanced option) could provide the required breadth and ease of entry for a generalist degree.

Members of the committee

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SUMMARY

A new general degree, the Bachelor of Liberal Arts and Sciences, is proposed, in which students choose to undertake a major in either the sciences or the humanities, complemented by a minor in the other discipline, and a sequence of units of study that teach generic skills. With continuing review of other degrees, we expect that significant streamlining of undergraduate degrees can be achieved and that four core generalist degrees (the BA, BSc, BHS and the BLAS) could form the focus for Arts, Science and Health students, with the option of leading, via honours and masters, into research or into a professional/vocational postgraduate degree; however, a number of specialist and professional undergraduate degrees will be retained to offer choice and to satisfy professional accreditation. The option of combined degrees, in which a general degree and more specialist or professional UG degree are combined, should continue to be a feature of the University of Sydney.

While we have made several recommendations, we recognise the need to consult widely about the proposed changes, especially amongst prospective students and employers, and that much work remains to implement any of the changes.

1. *Survey of UG degrees in the professional faculties to identify possible conversions to postgraduate degrees*

The Deans in Faculties with professional degrees (Architecture, Law, Pharmacy, Conservatorium of Music, Vet Science, Dentistry, Engineering, Health Sciences and Education & Social Work) were interviewed for information about plans to convert any undergraduate degrees included in the 2007 handbook to graduate entry or, if the Faculty currently offered both undergraduate and graduate entry professional preparation degrees in the same area, plans to remove the undergraduate version of the degree. A summary of this information is provided in appendix 1. In brief, most of these faculties have reviewed their degrees recently and have made substantial changes, including conversion of some UG degrees to PG degrees. For example, in the Faculty of law, only the combined degree (ie, combined with other degrees such as Arts-Law) is offered at the undergraduate level. The Faculty of Health Sciences has redeveloped the B. Health Sciences (BHS) as the major general pathway into health sciences, coupled with a number of postgraduate degrees. From 2007, graduate entry degrees are offered in all professional disciplines of the Faculty of Health Sciences, and some are offered exclusively as graduate entry programs. In 2007 there are 12 graduate entry programs compared to three in 2001 and there has been a corresponding reduction in the number of undergraduate professional preparation programs, from nine in 2001 to six in 2007 (see appendix 1).

Members of the working party noted that in some cases it was difficult to identify from the Handbook which degrees were undergraduate. This was particularly problematic when certain postgraduate degrees use the nomenclature “Bachelor”. The branding of some graduate entry degrees has the potential to create confusion. While recognising that this is common practise in other universities for graduate entry degrees such as Medicine and Law, it may be timely to reconsider the nomenclature and marketing of these degrees.

Recommendation 1: The nomenclature and marketing of graduate entry and postgraduate degrees, and their descriptions in the Handbook, be reviewed to reduce confusion.

2. Survey of existing degrees in the Faculties of Arts, Science, Economics and Business, AFNR, and Engineering and IT, with a view to converting some of the named ("vocational") degrees to majors and/or postgraduate degrees

All of these Faculties have reviewed their offerings recently and have either implemented changes or developed plans to do so in the near future. This has led to a significant reduction in the number of UG degrees but we still have a large number on offer (see appendix 2 for details), including quite a few named or vocational degrees. In some cases, there are valid reasons for retaining the named degree (such as professional accreditation), but in others the only reason seems to be a perceived marketing advantage. Some of the named degrees have very similar titles, which can be confusing for students, and many are very prescriptive. They also impose additional administrative costs on the schools in which they are managed. In addition to this, inefficiencies have arisen due to overlapping content between degrees and units of study offered in different Faculties, compounded by a lack of scrutiny of individual units of study and competitive behaviours between faculties looking to grow or defend student enrolments.

We have two general recommendations in light of the above:

Recommendation 2: Faculties continue to review the number of degrees and their content on a regular basis to improve efficiency, flexibility and simplicity.

Recommendation 3: Disciplines that run across Faculties be reviewed on a regular basis to prevent redundancy and promote greater effectiveness and efficiency in teaching.

Comments on individual faculties (arising from discussions with the respective Deans, Associate Deans and Faculty Managers).

Science.

The Faculty of Science has reduced its number of degrees over the past five years (see appendix 2). In addition to the BSc and BSc (Advanced), they now offer the BSc (Advanced Maths), the B Med Sci, the B Psych, the BSc (Nutrition), and the BSc (Molecular Biology and Genetics). The last two degrees will probably be dropped in 2008/9, making a total of five degrees. The two advanced options are considered to be essential to attract the top students, the B Med Sci is seen as a pathway to the graduate medical degree, and the B Psych is an accredited course. The Faculty also administers the B Science and Technology, which may be replaced by another generalist degree (se below).

Arts

The Faculty of Arts currently administers 14 degrees. The planned demise of the BA (Digital Technology and Culture) and the B International Studies, together with the suggested replacement of the BAS, the B Lib Studies and the B Lib Studies (International), will reduce this to nine stand-alone degrees. Of the remainder, the BA (Asian Studies) and B Socio-legal Studies appear to contain few unique units of study and could possibly be converted to majors. The name and the content of the B Economics and Social Sciences also needs to be reconsidered to avoid confusion with degrees in the Faculty of Economics and Business and to distinguish it from the B Social Sciences. Indeed, the recent Social Science Review recommended that the two social science degrees be merged to form a single degree.

The BA (Psychology) is an elite degree with a small quota, comparable to the B Psych. It allows Arts students to major in Psychology and thereby enter the honours course for accreditation, something that is difficult for BA students because the large number of Psychology units required for accreditation breach the BA's degree rules. How does this degree differ from the B Psych? Essentially, because it is an Arts degree, students are not obliged to undertake the compulsory 12 credit points of mathematics in the Science degrees. Perhaps this needs to be revisited.

Recommendation 4: The content of the B Psych and BA (Psych) be reviewed and adjusted to allow a single accredited degree to be mounted across the Faculties of Science and Arts.

FAFNR

The Faculty of Agriculture, Food and natural Resources currently administers five degrees (see appendix 2) two in the area of economics, and three science-based programs. Enrolments in these degrees have dropped markedly over the past five years. In discussions with the Faculty's executive, it was suggested that the two economics-based programs could be merged into one program (with an appropriate name) and the three science-based programs merged likewise. This would provide two degrees with approximately equal numbers of students. The other existing degrees would become majors, along with some other majors. This could achieve efficiency and clarity and address a point

noted by Marketing staff that it is difficult to explain the difference between resource economics and agricultural economics. A further suggestion that the Bachelor of Agriculture Science could be contained within the Bachelor of Science is not favoured within the Faculty at this point.

Recommendation 5: The FAFNR review their existing undergraduate degrees with a view to collapsing them into a single economics-based degree and a single science-based degree, with appropriate majors to capture existing disciplines.

The Bachelor of Animal and Veterinary Bioscience program was originally an FAFNR degree but passed to the Faculty of Veterinary Science some years ago. This is not a professional or clinical program and contains subject matter that either overlaps with subjects already taught or which should be included in the Faculties of Science and AFNR.

Recommendation 6: The Bachelor of Animal and Veterinary Bioscience be reviewed and compared with course offerings in other Faculties, with a view to removing overlap and making units of study available in other degrees.

Engineering and IT

The degrees offered through the School of Information Technology have been reviewed and are being rationalised. Starting from 2008, the number of IT majors has been reduced to two and units have been reduced by 30%. It has also been decided to phase out the BCST and BCST (Advanced) degrees over the next two years, retaining a single undergraduate degree, the BIT. A combined BIT/BComm was introduced in 2008 and has been a success with 15 enrolments and a high UAI. The School is now working on proposals for BIT/BMedSci, BIT/BArts and possible combinations with Law and Science for implementation in 2009. This makes the BIT a good match for Engineering degrees in which half the students now do combined degrees with relatively high UAIs. The Faculty's basic degree structure will then have the BIT and Bachelor of Engineering (BE) as professional degrees, each of which can be combined with other degrees, with students deciding the details of their unit choices. Computer Science and Information Systems continue to be offered as majors within BSc, providing for students who want a more traditional 3 year IT degree (or 4 years with Honours).

For historical reasons the BE (Software Engineering) is managed by the School of Electrical and Information Engineering. The curriculum of the BE (Software Engineering) was revised in 2008 and now more than 80% of the units for BE (Software Engineering) are taught by the School of IT. Nonetheless, the BIT will be retained; it is a computer science degree accredited by the Australian Computer Society. The BE (Software Engineering) is about the design, coding and maintenance of large software projects and is not simply applied Computer Science; it is a professional Engineering degree accredited by Engineers Australia.

The large number of specialisations and streams within the Engineering degrees (e.g. BE with the Electrical specialisation and the Power stream) can appear confusing. However, in effect, these parallel the majors in other faculties and are not necessarily excessive (compared to about 26 majors in Science for example).

Economics and Business

In 2007 Economics and Business offered five undergraduate degrees and a range of associated combined degrees (see appendix 2) with a total enrolment of 5004 students. As a result of the Social

Science Review, the Bachelor of International Studies and Bachelor of Economic and Social Sciences will be shifted to Arts in 2008. This will produce a 40% reduction in the number of programmes offered by Economics and Business and about a 20% reduction in student load. The Faculty already has a large suite of very successful postgraduate programmes and does not consider that there is further scope for shifting any of the current undergraduate programmes into the postgraduate area. (It is perhaps worth noting that even in the Melbourne model, accounting has been kept in the undergraduate commerce degree for the time being).

The Faculty is currently undertaking an undergraduate programmes review. A number of options are being considered including reducing the number of degree offerings and/or ensuring greater differentiation between the degree offerings. In considering these options the Faculty must ensure that it meets the needs of students, employers and the community in general. Because of the demands of accreditations from AASCB, the Institute of Chartered Accounting and CPA Australia, the B.Com has a large number of compulsory elements and provides students with limited flexibility. While this programme is very successful (and in high demand) it does not necessarily meet the needs of all students groups. With the departure of the Bachelor of International Studies and Bachelor of Economic and Social Sciences, the Faculty has lost the two programmes that provided students with a high degree of flexibility. The programme review is considering options to increase the flexibility in the BCom and/or using the BEc to offer a differentiated and more flexible degree.

3. *Review of the curricula of the broad degrees in Arts and Science (BAS, BST and Liberal Studies) to consider whether a single three-year Liberal Studies degree (perhaps with a four year advanced option) could provide the required breadth and ease of entry for a generalist degree*.

The working party reviewed the documents on Graduate Attributes (scholarship, life-long learning, and global citizenship), Generic Skills and the Sydney Experience, as well as the Australian Industry Group study, which identified the major six Employability Skills Framework key skills as:

1. Communication skills
2. Team work skills
3. Initiative and organising skills (strategic planning)
4. Self-management skills
5. Learning skills
6. Technology skills

We agreed that these skills should be (and already are to some extent) embedded in units of study across the various disciplines but that there was a case for additional courses which specifically addressed these elements in a systematic and scholarly manner.

Guests at the employers' lunch on December 7, 2007, confirmed that communication skills (written and oral) were key skills that need to be strengthened to improve the quality of University of Sydney graduates. It was also reiterated that ethical, critical and strategic thinking were required both in the academy and in the workplace.

To this end, we propose a new degree, the Bachelor of Liberal Arts and Sciences (BLAS) to replace the existing Bachelor of Arts and Science (BAS), Bachelor of Science and Technology (BST) and Bachelor of Liberal Studies (BLS). This new degree has a Liberal Studies stream, which is required in

addition to the student's major (which can be in either Arts or Sciences). The units in this sequence would focus on generic skills that have been highlighted by employers as important – written/oral communication, numeracy/statistical literacy, ethics, logic/critical thinking etc – and could be a combination of new units and suitable units drawn from existing offerings (History and Philosophy of Science, introductory courses in Biology, Anthropology, Sociology, Philosophy, History, Environmental Studies, Australian Studies, Geology, Geography, Economics, Government or Psychology). This sequence could be paired with either an Arts or Science major; the restriction to no more than 72 cp (excluding Liberal Studies units) from any one Faculty is intended to ensure breadth.

In addition to their Major, it is suggested that students undertake two first, second, and third year courses from a range of nominated "Liberal Studies" courses designed to strengthen students' communication skills. This would give students a total of 6 courses in Liberal Studies (i.e., 36 credit points). The remaining credit points would be drawn from units of study in the non-major discipline (ie, from the Arts or Science stream). Details of the proposed degree are shown in Appendix 3.

We also considered whether an advanced option of the BLAS should be offered, but found this difficult to reconcile with the general nature of the degree and the probable marketing of the BSc and BA as more advanced options. We also considered a degree that required both an Arts major and a Science major, but discounted this as insufficiently distinct from the BA and BSc, and likely to be attractive to only a small number of students. We could make those students aware of the possibility in both the BA and BSc to do a degree with a major from both Faculties. The combined BSc/BA also fulfils this function and it could be made more popular with students by shortening it to 4 years (bringing us into line with some of our competitors). This could be appealing to the better students who currently enroll in the BLibStudies. Obviously the details of which units of study would be offered in this degree will need to be considered if the overall concept is accepted by the university.

Recommendation 7: A new, generalist degree, the Bachelor of Liberal Arts and Sciences, be designed, to replace the existing BAS, BST and Liberal Studies degrees.

Recommendation 8: The combined degree of BSc/BA be shortened to four years duration and marketed as a replacement for the Liberal Studies degree.

The destination of students completing the BLAS will be employment in a wide range of non-specialist industries or progression to specialized or professional postgraduate training. However, these students will also have the option of entering a research stream by articulating into honours in the BSc or BA, or by undertaking a research masters degree.

Year 1	**S 1**	ARTS (Part A) Major Junior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit ENGL1000; ENGL1005; LING1005	**24**
	S 2	ARTS (Part A) Major Junior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit	**24**
Year 2	**S 1**	ARTS (Part A) Major Senior Unit	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Liberal Studies Unit	**24**
	S 2	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit	**24**
Year 3	**S 1**	ARTS (Part A) Senior Unit	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Liberal Studies Unit	**24**
	S 2	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit	**24**
					Total	**144**

Bachelor of Liberal Arts and Science
Draft Proposal 1A: ARTS Major + Liberal Studies Sequence (with no more than 72cp (excluding Liberal Studies units) from any one Faculty)

Year 1	**S 1**	Elective Arts/Science	Science Major Junior Unit	Science Major Junior Unit	Liberal Studies Unit ENGL1000; ENGL1005; LING1005	**24**
	S 2	Elective Arts/Science	Science Major Junior Unit	Science Major Junior Unit	Liberal Studies Unit	**24**
Year 2	**S 1**	Elective Arts/Science	Science Major Intermediate Unit	Elective Arts/Science	Liberal Studies Unit	**24**
	S 2	Elective Arts/Science	Science Major Intermediate Unit	Elective Arts/Science	Liberal Studies Unit	**24**
Year 3	**S 1**	Elective Arts/Science	Science Major Senior Unit	Science Major Senior Unit	Liberal Studies Unit	**24**
	S 2	Elective Arts/Science	Science Major Senior Unit	Science Major Senior Unit	Liberal Studies Unit	**24**
					Total	**144**

Bachelor of Liberal Arts and Science
Draft Proposal 1B: Science Major + Liberal Studies Sequence (with no more than 72cp (excluding Liberal Studies units) from any one Faculty)

APPENDIX 1 Undergraduate degrees in the professional or vocational faculties

Survey undergraduate degrees in the professional faculties (Law, Pharmacy, Engineering, Veterinary Science and Health Sciences) to identify possible conversions to postgraduate degrees.

Deans of Faculties that offer professional preparation undergraduate degrees (Architecture, Law, Pharmacy, Conservatorium of Music, Vet Science, Dentistry, Engineering, Health Sciences and Education & Social Work) were contacted and requested to identify plans for converting these to postgraduate degrees on behalf of the Undergraduate Structure Working Party. Deans were asked about:

(a) plans to convert any undergraduate degrees included in the 2007 handbook to graduate entry or
(b) if the Faculty currently offered both undergraduate and graduate entry professional preparation degrees in the same area, plans to remove the undergraduate version of the degree

Faculty	Degrees	Professional Degrees
Law	**UG Degrees** Bachelor of Laws (LLB) LLB combined with: Bachelor of Arts Bachelor of Commerce Bachelor of Economic and Social Sciences Bachelor of Economics Bachelor of Engineering Bachelor of International Studies Bachelor of Science **Graduate Entry** Bachelor of Laws (LLB) - Graduate Entry	• Two streams: Combined LLB or LLB via graduate entry. • No plans to change.
Pharmacy	**UG Degrees** Bachelor of Pharmacy Bachelor of Pharmacy (Rural) **Graduate Entry** Master of Pharmacy	• Both undergrad (BPharm) and post-grad (MPharm) professional preparation offered. • No plans to change.

Conservatorium of Music	**UG Degrees** Bachelor of Music (BMus) Bachelor of Music Studies (BMusStudies) Bachelor of Music Studies / B Arts Bachelor of Music Studies/ BMed/BSurgery	• Has not converted any Undergraduate programs to graduate programs for 2008 • No plans to do so in the future • No plans to remove any undergraduate programs that are in the same areas as graduate entry programs.
Vet Science	**UG Degrees** Bachelor of Veterinary Science, BVSc Bachelor of Animal and Veterinary Bioscience, BAnVetBioSc	• No plans to convert either of its two professional preparation degrees to postgraduate entry at this time.
Dentistry	**UG Degree** Bachelor of Oral Health **Graduate Entry** Bachelor of Dentistry	• No plans to convert Bachelor of Oral Health to graduate entry
Engineering	**UG Degree** Bachelor of Engineering (range of specialties)	• Bachelor of Engineering (the accredited professional undergraduate degree) not moving to graduate entry.
Architecture	**UG Degrees** Bachelor of Design in Architecture BDesArch Bachelor of Design Computing BDesComp Bachelor of Architecture BArch	• Commencing in 2008, BArch will become MArch. • Professional architecture is BDesArch+MArch

Health Sciences FHS has undergone significant curriculum reform in the past five years. The Faculty Handbook includes a complex array of degrees as a number of programs are being taught out and replaced by new programs of study. FHS also offers both professional preparation degrees and generic degrees. The information presented here refers only to **new/ continuing professional preparation programs**. A case study below indicates the extent of curriculum change that has occurred in FHS across the years 2001 – 2007.	**UG Degrees** Bachelor of Applied Science (BAppSc) in Medical Radiation Sciences - Diagnostic Radiography - Nuclear Medicine - Radiation Therapy Occupational Therapy Physiotherapy Speech Pathology* Exercise Science Bachelor of Applied Science (Exercise and Sport Science) / Bachelor of Science (Nutrition) **Combined UG / PG (prof entry) degrees** Bachelor of Applied Science (Exercise and Sport Science) / Master of Nursing Bachelor of Health Sciences/Master of Nursing Bachelor of Health Sciences/Master of Clinical Vision Sciences Bachelor of Health Sciences/Master of Health Information Management Bachelor of Health Sciences/Master of Rehabilitation Counselling **Graduate Entry** Master of Exercise and Sport Science Master of Occupational Therapy Master of Physiotherapy Master of Speech & Language Pathology Master of Nuclear Medicine Master of Radiation Therapy Master of Diagnostic Radiography Master of Health Information Management Master of Rehabilitation Counselling Master of Orthoptics	• The Faculty has professional preparation courses in three formats: UG, UG/Masters; Graduate entry.. • No plans to convert further UG professional preparation courses to PG. All professional disciplines are <u>either</u> UG and PG or PG only, as much change has already occurred (see case study below). There are presently no firm plans to remove the UG version of any graduate entry degree, but it is possible, depending on on student demand for places in the UG and GE programs. Further changes may occur in the next year or two.

Ed & Soc Work	**UG Degrees** Bachelor of Education (Primary Education) Bachelor of Education (Secondary) (Human Movement and Health Education) Bachelor of Education (Secondary: Aboriginal Studies) Bachelor of Education (Secondary: Design and Technology) Bachelor of Education (Secondary: Humanities and SocialSciences)/Bachelor of Arts Bachelor of Education (Secondary:Science)/Bachelor of Science Bachelor of Education (Secondary:Mathematics)/Bachelor of Science Bachelor of Education (Secondary)/Bachelor of Science (Psychology) Bachelor of Education (Secondary)/Bachelor of Arts (Psychology) Bachelor of Social Work Bachelor of Arts / Bachelor of Social Work **Graduate Entry** BTeach MTeach	• currently offers both under graduate and graduate entry professional preparation programs for both Primary and Secondary teacher programs. • Currently only undergraduate is offered for Human Movement and Health Education. Currently investigating the possibility of additional graduate entry in this are as well. No plans to convert any of the UG degrees included in the 2007 handbook to graduate entry and, while the Faculty does offer both Undergrad & graduate entry professional preparation degrees in the same area, there are no plans to remove the undergraduate version.

Changes in health professional education 2001 to 2007: Faculty of Health Sciences

Prior to 2007 the Faculty of Health Sciences at the University of Sydney comprised 10 Schools and three Research Centres educating over 6000 national and international undergraduate students annually. In 2007 the Faculty adopted a unitary Faculty structure, where Schools were translated into Disciplines under a single administrative umbrella. Large scale curriculum reform was completed in Faculty of Health Sciences in 2001, so this provides a reasonable baseline for the further widespread and significant changes to curricula in all health professional disciplines that have been introduced since 2001. These changes are in line with the University of Sydney strategic direction to increase the ratio of postgraduate to undergraduate students (University of Sydney, 2006).

From 2007, graduate entry degrees are offered in all professional disciplines of the Faculty of Health Sciences, and some are offered exclusively as graduate entry programs.

- In 2007 there are 12 graduate entry programs compared to three in 2001.
- There has also been a reduction in the number of undergraduate professional preparation programs, from nine in 2001 to six in 2007 (see Table 1).

The move towards graduate entry professional preparation degrees for health professionals is broadly consistent with models of health professional education in the United States, and with the direction of the Bologna Declaration signed in 1999 by 29 European countries (Van der Wende 2000).

Table 1: Health professional education in the Faculty of Health Sciences, University of Sydney: 2001 and 2007.

	2001		2007	
Discipline	**Undergraduate**	**Graduate Entry**	**Undergraduate**	**Graduate Entry**
Orthoptics	BAppSc(Orthoptics)	-	-	M Orthoptics BHSc / M Clinical Vision Sciences
Rehabilitation Counselling	BHlthSc (Rehabilitation Counselling)	GradDip / M Rehabilitation Counselling	-	GradDip / M Rehabilitation Counselling BHSc / M Rehabilitation Counselling
Physiotherapy	BAppSc(Physiotherapy)	-	BAppSc(Physiotherapy)	M Physiotherapy
Speech Pathology	BAppSc(Speech Pathology)	-	BAppSc(Speech Pathology)	M Speech Language Pathology
Occupational Therapy	BAppSc(Occupational Therapy)	M Occupational Therapy	BAppSc(Occupational Therapy)	M Occupational Therapy

Health Information Management	BAppSc(Health Information Management)	M Health Information Management	-	M Health Information Management BHSc / M Health Information Management
Radiation Therapy	BAppSc(Medical Radiation Sciences)	-	BAppSc(Medical Radiation Sciences)	M Radiation Therapy
Nuclear Medicine	BAppSc(Medical Radiation Sciences)	-	BAppSc(Medical Radiation Sciences)	M Nuclear Medicine
Diagnostic Radiography	BAppSc(Medical Radiation Sciences)	-	BAppSc(Medical Radiation Sciences)	M Diagnostic Radiography
TOTAL	9	3	6	12

APPENDIX 2
Undergraduate Degree Tables

Survey existing degrees in the faculties of Arts, Science, Economics and Business, AFNR, and Engineering and IT, with a view to converting some of the named ("vocational") degrees to majors and/or postgraduate degrees.

Science Undergraduate Degrees 2008

Degrees continuing beyond 2007:

		Hons	% core units	% elective units	% ext to Fac	% excl to degree	% excl to Fac	
BSc								
Intake	320	Y	8	92	33	0	0	12 CP MATH compulsory for all
Duration	3 years full-time (+1 for honours), 6 years part-time				allowed			
2007 UAI	83.00							
BSc (Advanced)								
Intake	120	Y	8	92	33	0	0	Attracts high quality students to faculty successful marketing
Duration	3 years full-time (+1 for honours), 6 years part-time				allowed			12cp Intermediate, 24cp Senior Science units compulsory
2007 UAI	96.45							
BSc (Advanced Mathematics)								
Intake	20	Y	8	92	33	0	0	Attracts high quality students to faculty successful marketing
Duration	3 years full-time (+1 for honours), 6 years part-time				allowed			Units in Maths and Stats compulsory
2007 UAI	98.85							

BSc (Molecular Biology and Genetics)								
Intake	35	Y	71	29	0	~0	0	~same intake as those degrees cut for 2008, but at a higher UAI – still attracting good students - no unique units apart from 2 seminar series! –combined major – half in Bio and half in Biochem – to be replaced in 2009.
Duration	3 years full-time (+1 for honours), 6 years part-time							
2007 UAI	91.80							
BSc (Nutrition)								
Intake	40	Y	79	21	0	?	?	Recently re-accredited by DAA (Dieticians Association of Australia) 30-40 Nutrition on main campus + 50 from Cumberland.
Duration	4 years full-time (including Honours)							
2007 UAI	93.55							
BMedSci								
Intake	200	Y	92	8	0	39	33?	Administered by Science but dominated by Medical Units and seen as a prelude to graduate medicine by most students
Duration	3 years full-time (+1 for honours), 6 years part-time							
2007 UAI	91.05							
BPsych								
Intake	45	Y	66	34	22 allowed	25	25	Guarantees entry honours if standard met; hons required for accreditation and APA set strict guidelines for Psychology units
Duration	4 years full-time (including Honours), 8 years part-time							
2007 UAI	96.85							
BST								
Intake	60	Y	25	75	Depends on stream	0	Depends on stream	Provides an entry into science and engineering for lower UAI students and those with poor maths backround.
Duration	3 years full-time (+1 for honours), 6 years part-time							
2007 UAI	75.0							

Degrees to disappear from in 2009:		
BSc (Marine Science)		
Intake	40	Small enrolment, low UAI
Duration	3 years full-time (+1 for honours), 6 years part-time	Now majors in Marine Biology (Bio) and two in Geo
2007 UAI	83.00	
BSc (Molecular Biotechnology)		
Intake	40	Small enrolment, low UAI
Duration	3 years full-time (+1 for honours); 6 years part-time	
2007 UAI	83.00	
Degrees gone from new enrolments in 2007:		
BSc (Bioinformatics)		Now a major
BSc (Environmental)		
Combined Degrees:		
Bachelor of Science (Advanced) or the Bachelor of Medical Science & graduate Medical program.		Attracts the very top students to the university (7 100 UAIs in 2008) and provides an elite training to equip students for a career in medical research
Intake	10 - 20	
Duration	7 years full-time	
2006 UAI	99.95 + interview	
Science & Arts		
Duration	5 years full-time	Spend the first 3 years studying science subjects and, after finishing the BSc
2007 UAI	83.00	

degree, go on in the final 2 years to finish the BA.
Students normally complete five years studying 48 credit points each year. These must include:

* 12 credit points of mathematics
* 24 junior science credit points
* At least 96 credit points from science subject areas including a major
* At least 72 senior credit points from the major studies in Arts

Commerce & Science
Duration 5 years full-time
2007 UAI 95.85

Although there are some set subjects the number of possible combinations are extensive. Students study a mixture of science and commerce subjects throughout their degree.

Science & Law
Duration 5 years full-time
2007 UAI 99.55

Students spend the first three years studying mostly science subjects with some law subjects. The final two years are spent completing law subjects. It is also possible to combine the BSc (Advanced) or BSc (Advanced Mathematics) with law.

Engineering & Science
Duration 5 years full-time
2007 UAI 90.10

You can enter directly into engineering and apply to study the combined program after you have completed second or third year in engineering. Alternatively, you can enter directly into the combined science and engineering program.

Education & Mathematics

Duration 5 years full-time
2007 UAI 84.35

In this combined degree program students study science and mathematics subjects alongside education subjects. The final two years of the program involve a full professional program in teaching. At the end of third year you can choose to leave with a Bachelor of Science, at the end of fourth year with a Bachelor of Education or go on to complete both degrees in five years.

Education & Science

Duration 5 years full-time
2007 UAI 84.85

In this combined degree program students study science subjects alongside education subjects. The final two years of the program involve a full professional program in teaching. At the end of third year you can choose to leave with a Bachelor of Science, at the end of fourth year with a Bachelor of Education or you can go on to complete both degrees in five years.

Engineering & Medical Science

Duration 5 years full-time
2007 UAI 93.40

B Applied Science (Exercise & Sports Science) and B Science Nutrition

Duration 5 years full-time
2007 UAI 93.55

See Faculty of Health Sciences

Bachelor of Science/Master of Nursing
4 Years — See Faculty of Nursing

Combined UP/PG Degrees:

Bachelor of Science/Master of Nursing
4 Years — See Faculty of Nursing

Availability of Advanced Units and relation to Honours
The Science faculty has various units of study offered at an Advanced level in contrast to 'normal' level. In first year the entry requirement varies but is typically a UAI cut-off of around 96. Progression into second and third year Advanced typically requires a Credit average in first year units.

The BSc (Advanced) degree (UAI cut-off ~96.45) is simply a Science degree with a requirement to complete a certain number of Advanced units. In a practical sense it is little different to the BSc. The BSc (Advanced Mathematics) degree (UAI cut-off ~98.85) is similar but with a major in Maths.

The faculty also runs a very successful Talented Student Program (TSP) for students with UAI of 99.0 or above. TSP activities vary between departments and participation drops in higher years. This is a major marketing tool and competes directly with the ANU PhB degree. Science Marketing claim that it is a huge point of differentiation in the market and the fact that it is not restricted to one elite degree, but can sit across the full range, makes it even more attractive. The Faculty commitment to what is essentially an 'add-on' to the normal teaching program is HUGE.

Chemistry and Mathematics also have in first year a 'Special Studies Program' with a UAI cut-off around 98.7 involving separate labs or lectures.

None of these are essential for a student to be allowed to take the Honours year. In practice however, most Honours students will be drawn from the Advanced classes. The Honours entry criterion has recently increased to a WAM of 65 - equivalent to a credit average (consistent with Arts).

Arts Undergraduate Degrees 2008

Single Degrees:

		Majors	cp for Major	cp unique	
Bachelor of Arts (BA)					
Duration	3 years full-time	Y	36 senior		major from Arts subject areas with a limit of 60cp from Table B(Science, Education, Economics & Business)
2007 UAI	83.00				
Bachelor of Arts (Advanced) (Honours)					
Intake	~40	Y	36 senior		enrol in 2nd year (senior units) in 1st year in some subject areas and do Hons in 3rd year
Duration	3 years full-time				
2007 UAI	98.55				
Bachelor of Arts (Asian Studies)					
Duration	3 years full-time	Y	36 senior		2 majors with at least one major from a language in a designated Asian Studies area awarded at end of degree, not available through UAC
2007 UAI	n/a				
Bachelor of Arts (Languages)				No	
Intake	~25	Y	36 senior		2 majors from Part A (Arts) including at least 1 language and 1 sem exchange in 3rd year if a 65% average has been maintained
Duration	4 years full-time				
2007 UAI	98.20				
Bachelor of Arts (Media and Communications)					
Duration	4 years full-time	Y	36 senior	72cp MECO	Part A (Arts) major, Media major, compulsory Media units and Internship/project, 72cp unique units
2007 UAI	98.45				
Bachelor of Arts (Psychology)					
Intake	~18	Y	36 senior		major from Part A (Arts) and Psychology and additional compulsory PSYCH. Must maintain required progression level. Small intake to control 4th year numbers. 4th year is the Psych Honours year.
Duration	4 years full-time				
2007 UAI	98.10				

Bachelor of Global Studies					
Intake	~60	Y	36 senior	24cp GBST	24cp language other than English, Global Studies major, Area Studies major (e.g. Asian, American,..) started 2007
Duration	3 years full-time				
2007 UAI	90.90				
Bachelor of Social Sciences					
Intake	~50	Y	36 senior	24cp SSCI	A major from Part A (Arts), Social Sciences major, compulsory SSCI social sciences units and Internship/project, started 2000
Duration	4 years full-time				
2007 UAI	85.75				
Bachelor of Socio-Legal Studies					
Intake	~50	Y	36 senior	12cp SLSS	A Socio-Legal studies major, an Arts major, compulsory SLSS units, started 2007
Duration	3 years full-time				
2007 UAI	84.75				
Bachelor of Arts and Sciences					
Intake	~200?	Y	36 senior	12cp SLSS	A major from (Part A) Arts or a major from Science, 12cp Legal Studies, minimum 12 cp Economics, minimum 24cp Arts, Science. Also a provision to get it without any major! Created to protect BA and BSc UAI. Killed the local market for fee-paying BA.
Duration	3 years full-time				
2007 UAI	75.00				
Bachelor of Liberal Studies					
Intake	~200	Y	36 senior		6cp communication/analytical skills unit, 6cp Maths and Stats, 30cp language other than English, Part A (Arts) major, Science major. Was declining (90 several years ago) but has bounced back.
Duration	4 years full-time				
2007 UAI	85.80				
Bachelor of Liberal Studies (International)					
Intake	~15	Y	36 senior		6cp communication/analytical skills unit, 6cp Maths and Stats, 30cp language other than English, Part A (Arts) major, Science major, 1 sem on exchange
Duration	4 years full-time				
2007 UAI	99.10				

Degrees to disappear from new enrolments in 2008:					
Bachelor of Arts (Digital Technology and Culture)					
Duration	3 years full-time	Y	36 senior	12cp ARIN	A major from Part A (Arts), Information Systems, compulsory Digital Cultures units a project and optional internship
2007 UAI	n/a				
Additions from Economics and Business:					
		Majors ?	cp for Major	cp unique?	
Bachelor of Economic and Social Sciences					
Duration	3 years full-time	Y	48 (at least 36 at senior level)	No	Come to Arts from Economics and Business. three year degree (144cp); students must complete a major in either Govt, PE or IR and HRM; no more than 60 CPs outside Faculties of Arts or E+B Combine with Social Sciences?
2006 UAI	91.95 (2007 n/a)				
Bachelor of International Studies					
Duration	3 years full-time	Y	48 (at least 36 at senior level)	Yes GOVT2801 Applied international studies and GOVT2802 International studies practicum	Come to Arts from Economics and Business. three year degree (144 CP); students must complete 6 core units of study and are required to complete 2 senior units of study from both GOVT and ECOP (total of 10 compulsory units of study) Combine with Global Studies?
2007 UAI	91.55 (2007 n/a)				

Combined Degrees:

	Majors ?	cp for Major	cp unique?	
Bachelor of Arts (Advanced) (Honours) and Bachelor of Medicine and Bachelor of Surgery (BA (Advanced) (Hons)/MBBS) Intake 5 Duration 7 years full-time 2007 UAI 99.95	Y	36 senior		enrol in 2nd year (senior units) in 1st year in some subject areas, plus some science and do Hons in 3rd year
Bachelor of Arts and Bachelor of Laws Duration 5 years full-time 2007 UAI 99.55	Y	36 senior	48cp LAWS	a major from Arts subject area including compulsory Laws units as part of BA component. Administered with Law until first degree completed.
Bachelor of Arts and Bachelor of Music Studies Duration 5 years full-time 2007 UAI BA entry + audition	Y	36 senior		a major in Arts subject area and a minimum of 72 senior cp Part A (Arts)
Bachelor of Arts and Bachelor of Social Work Duration 5 years full-time 2007 UAI 83.45	Y	36 senior		a major in Arts subject area, 24 cp sociology, 12 cp Psychology for Social Work, 6cp Aboriginal studies. The only BA/BSW is only 'non-Law' combined degree administered by Arts (until BA completed)
Bachelor of Arts (Media &Communications) and Bachelor of Laws Duration 6 years full-time 2006 UAI 99.55 (2007 n/a)	Y	36 senior	72cp MECO 48cp LAWS	Part A (Arts) major, Media major, compulsory Media units and Internship/project, 48cp LAWS as part of BA(Media&Comm) component. Administered with Law until first degree completed.

Bachelor of Commerce and Bachelor of Arts Duration 5 years full-time 2007 UAI 95.55		Y	36 senior	7 core units (42cp), a major or extended major from Economics and Business. Part A (Arts) major and minimum 72 snr cp Part A.
Bachelor of Education (Secondary: Humanities and Social Sciences) and Bachelor of Arts Duration 5 years full-time 2007 UAI 83.35		Y	36 senior	at least 72 snr cp from Part A (Arts) in a selected teaching area including an Arts major for Arts component
Bachelor of Engineering and Bachelor of Arts Intake 30 Duration 5 years full-time 2007 UAI 90.30		Y	36 senior	at least 84 cp from Arts including a Part A major
Bachelor of Science and Bachelor of Arts Intake ~100 Duration 5 years full-time 2007 UAI 83.00		Y	36 senior	at least 72 senior cp from Part A including an Arts major

Combined UP/PG Degrees:

		Majors ?	cp for Major	cp unique?	
Bachelor of Arts and Master of Nursing (BA/MN)					
Duration	4 years full-time	Y	36 senior		144 cp for the BA including a part A major and 48 cp Nursing units within the BA component.
2007 UAI	83.35				

Combined Degrees **Additions from Economics and Business:**					
		Majors ?	cp for Major	cp unique?	
Bachelor of Economic and Social Sciences and Bachelor of Laws Duration 2006 UAI	5 years full-time 99.95	Y	48 (at least 36 at senior level)	No	Come to Arts from Economics and Business. three year degree (144cp); students must complete a major in either Govt, PE or IR and HRM; no more than 60 CPs outside Faculties of Arts or Economics and Business. Final two years in Law. Administered with Law until first degree completed.
Bachelor of International Studies and Bachelor of Laws Duration 2007 UAI	5 years full-time 99.95	Y	48 (at least 36 at senior level)	Yes GOVT2801 Applied international studies and GOVT2802 International studies practicum	Come to Arts from Economics and Business. three year degree (144 CP); students must complete 6 core units of study and are required to complete 2 senior units of study from both GOVT and ECOP (total of 10 compulsory units of study). Final two years in Law. Administered with Law until first degree completed.

Availability of Advanced Units and relation to Honours

Honours is available as an extra year (4th or 5th, depending on the degree) in all degrees except and BA(Adv)(Hons), BA (Pyschology) and BLibStud (International).
In the past there were 'honours' entry units to be completed and some departments within Arts still have them (as do many disciplines in Economics and Business). However, entry to Honours is now based on an annual credit average (consistent with Science).
Prior to 2007 there was BA (Adv) with specific units nominated as required. Advanced and non-Advanced students found themselves in the same classes. However students wanted acceleration and so now there is the BA (Adv)(Honours) that allows them to achieve an Honours degree in 3 years.

Agriculture, Food and Natural Resources Undergraduate Degrees 2008

Degrees:		Hons	% core units	% elective units	% ext to Fac	% excl to degree	% excl to Fac
BAgEc							
Commenced	1981	Y	69	31	50	6	-
Enrolled	316 Total						
Quota 2008	82						
Duration	4 years full-time (incl. honours)						
2007 UAI	80						
BResEc							
Commenced	2000	Y	75	25	50	0	-
Enrolled	57 Total						
Quota 2008	20						
Duration	4 years full-time (incl. honours						
2007 UAI	80						
BHortSc							
Commenced	1996	Y	88	38	13	13	38
Enrolled	36 Total						
Quota 2008	15						
Duration	4 years full-time (incl. honours)						
2007 UAI	78						
BLWSc							
Commenced	2000	Y	82	44	9	13	35
Enrolled	44 Total						
Quota 2008	23						
Duration	4 years full-time (incl. honours)						
2007 UAI	75						

BScAgr

Commenced	1940	Y	78	47	19	9	44

Enrolled 97 Total
Quota 2008 41
Duration 4 years full-time (incl. honours)
2007 UAI 75

Availability of Advanced Units and relation to Honours

There are no Advanced Units. Honours may be awarded on graduation on the basis of performance.

Engineering/IT Undergraduate Degrees 2008

IT Degrees:	
Bachelor of Computer Science and Technology (BCST) Intake 196? Duration 3 years full-time (+1 for honours), 6 years part-time **2008** UAI 76.0	Low demand
Bachelor of Computer Science and Technology (BCST) (Advanced) Intake ~1 Duration 3 years full-time (+1 for honours), 6 years part-time 2007 UAI 96.15	Very low demand
Bachelor of Information Technology (BIT) Intake 26 Duration 4 years full-time (including honours), **2008** UAI 95.0	Attracts high quality students
Engineering Degrees:	
BE Electrical (Software Engineering) Intake 61 Duration 4 years full-time (including honours) 2007 UAI 86.80	
Combined Degrees:	
BIT/BComm Intake 15 Duration 5 years full-time 2006 UAI 94.3	New 2008. Students undertake one major from Economics & Business faculty (for e.g., Accounting, Finance, Economics) and a stream from IT (Computer Science or Information Systems)

Engineering Degrees:
(degree / specialisation / stream)

BE Aeronautical
Intake 172
Duration 4 years full-time (including honours)
2007 UAI 90.00

BE Aeronautical (Space Engineering)
Intake 40
Duration 4 years full-time (including Honours)
2007 UAI 99.65

BE Mechanical
Intake 182
Duration 4 years full-time (including honours)
2007 UAI 84.50

BE Mechanical (Mechatronic Engineering)
Intake 68
Duration 4 years full-time (including Honours)
2007 UAI 93.90

BE Mechanical (Biomedical Engineering)
Intake 65
Duration 4 years full-time (including Honours)
2007 UAI 95.20

BE Mechanical (Space Engineering)
Intake 10
Duration 4 years full-time (including Honours)
2007 UAI 99.50

BE Mechanical (Mechatronics/Space Engineering)
Intake 17
Duration 4 years full-time (including Honours)
2007 UAI 99.00

BE Chemical
Intake 144
Duration 4 years full-time (including Honours)
2007 UAI 82.30

BE Civil
Intake 238
Duration 4 years full-time (including Honours)
2007 UAI 80.25

BE Civil (Geotechnical Engineering)
Intake 3
Duration 4 years full-time (including Honours)
2007 UAI 92.45

BE Civil (Construction Engineering)
Intake 51
Duration 4 years full-time (including Honours)
2007 UAI 86.80

BE Civil (Environmental Engineering)
Intake 17
Duration 4 years full-time (including Honours)
2007 UAI 89.85

BE Civil (Project Engineering & Management in Civil)
Intake 63
Duration 4 years full-time (including Honours)
2007 UAI 87.45

BE Electrical
Intake 160
Duration 4 years full-time (including Honours)
2007 UAI 89.80

BE Electrical (Power Engineering)
Intake 12
Duration 4 years full-time (including Honours)
2007 UAI 80.70

BE Electrical (Computer Engineering)
Intake 37
Duration 4 years full-time (including Honours)
2007 UAI 87.80

BE Electrical (Software Engineering)
Intake 61
Duration 4 years full-time (including Honours)
2007 UAI 86.80

BE Electrical (Telecommunications Engineering)
Intake 62
Duration 4 years full-time (including Honours)
2007 UAI 89.60

BE Electrical (Electronic Commerce)
Intake 14
Duration 4 years full-time (including Honours)
2007 UAI 86.80

BE (Flexible First Year)
Intake 82
Duration 4 years full-time (including Honours)
2007 UAI 85.35

Combined Degrees:
Some details below yet to be updated/corrected

Engineering/Commerce
Intake 429
Duration 5 years full-time
2006 UAI 94.85

Engineering/Science
Intake 300
Duration 5 years full-time
2007 UAI 99.10

Engineering/Law
Intake 12
Duration 5 years full-time
2007 UAI 99.60

Engineering/Arts
Intake 67
Duration 5 years full-time
2007 UAI 90.30

Engineering/Medical Science
Intake 103
Duration 5 years full-time
2007 UAI 93.40

Availability of Advanced Units and relation to Honours
Honours in integrated into the BE and there are no Advanced units. Award of Honours is defined by the Honours Weighted Average mark (HWAM).

There are Advanced units of study in BCST (Advanced) and BIT. The rules for the Advanced stream are the same as BSc (Advanced). The following is the list of those advanced units:
First year:
INFO1903 Informatics (Advanced)
INFO1905 Data Structure (Advanced)
Second year:
COMP2907 Algorithms and Complexity (Advanced)
INFO 2820 Database Systems 1 (Advanced)
Third year:
COMP3608 Intro. to Artificial Intelligence (Advanced)
INFO3504 Database Systems 2 (Advanced)
INFO3600 Major Development Project (Advanced).

Honours in the BIT requires transfer from the non-Honours stream on the basis of a WAM of 65 or greater (i.e. Credit average). Honours in the BCST requires completion of the requirements of the pass degree and a WAM of 65 or greater (i.e. Credit average).

Economics and Business Undergraduate Degrees 2008

Single Degrees:

		Majors ?	cp for Major	cp unique?	
Bachelor of Commerce					
Intake	~700	Y	48	Yes	three year degree (144 CPs) with 11 (66 CP) core units (6 junior and 5 senior). In first year students normally do 6 core UoS and two electives associated with majors. In second year four core and four elective. In third year to 1 core and seven electives. Students seeking Accounting accreditation have a total of 19 required units of study and therefore limited options for second major. Students not doing Accounting accreditation can do two majors including one outside FEB
Enrolment	2023 (total 2006)		(at least 36 at senior level)	ECOF3001 capstone unit	
Ratio of first prefs to offers	2.3				
Duration	3 years full-time				
2007 UAI	94.95				
Bachelor of Commerce (Liberal Studies)					
Intake	~50	Y	48	Yes	4 year degree (192 CP); students must do at least 24 cp from Faculty of Arts and 12 cp from Faculty of Science; must complete 2 majors including at least one from disciplinary areas in FEB
Enrolment	224 (total 2006)		(at least 36 at senior level)	ECOF1001 Communicatio n and critical analysis	
Ratio of first prefs to offers	2.8				
Duration	4 years full-time				
2007 UAI	98.85				
Bachelor of Economics					
Intake	~100+	Y	48	No	three year degree (144 cps); core of 4 units of study (24cp); students must complete a major in either economics or econometrics; no more than 48 cps from outside FEB
Enrolment	533 (total 2006)		(at least 36 at senior level)		
Ratio of first prefs to offers	1.6				
Duration	3 years full-time				
2007 UAI	91.70				

Degrees transferred to Arts					
Bachelor of Economic and Social Sciences					see Arts summary table
Bachelor of International Studies					see Arts summary table
Combined Degrees:					
		Majors ?	cp for Major	cp unique?	
Bachelor of Commerce and Bachelor of Arts		Y	48 (at least 36 at senior level)	Yes ECOF3001 capstone unit	5 year degree (240 cps); core of 7 units of study (6 junior and ECOF 3001); students must complete a major in both E+B and Faculty of Arts (ie at least two majors)
Duration	5 years full-time				
2007 UAI	95.55				
Bachelor of Commerce and Bachelor of Laws		Y	48 (at least 36 at senior level)	Yes ECOF3001 capstone unit	5 year degree (240 CP); 7 core units of study in FEB (6 junior and ECOF3001); a major in FEB; 16 compulory and 6 elective unts of study from Law. Students normally complete B. Com requirements in first three years and then spend next two years at Law
Duration	5 years full-time				
2007 UAI	94.95				
Bachelor of Commerce and Bachelor of Science		Y	48 (at least 36 at senior level)	Yes ECOF3001 capstone unit	5 year (240) core of 7 units of study in FEB (6 junior and ECOF3001); a major in FEB; 12CP in maths and 24 junior credit points in Science; Major in Science related discipline
Duration	5 years full-time				
2007 UAI	99.55 (2007 n/a)				

Bachelor of Economics and Bachelor of Laws Duration 5 years full-time 2007 UAI 99.55		Y	48 (at least 36 at senior level)	No	5 year degree (240 CP), four core units of study in economics and a major in either economics or econometrics; 16 compulsory and 6 elective units of study in Law. Students normally complete B. Ec requirements in first three years and spend final two years studying law
Bachelor of Engineering And Bachelor of Commerce Duration 5 years full-time 2007 UAI 94.85		Y	48 (at least 36 at senior level)	Yes ECOF3001 capstone unit	5 year degree (240 cps); core of 7 units of study in E+B (6 junior and ECOF 3001); students must complete a major in E+B; check with engineering for additional degree requirements
Bachelor of Information Technology And Bachelor of Commerce Duration 5 years full-time 2007 UAI new in 2008		Y	48 (at least 36 at senior level)	Yes ECOF3001 capstone unit	5 year degree (240 cps); core of 7 units of study in E+B (6 junior and ECOF 3001); students must complete a major in E+B; check with engineering for additional degree requirements
Combined Degrees transferred to Arts					
Bachelor of Economic and Social Sciences and Bachelor of Laws					see Arts summary table
Bachelor of International Studies and Bachelor of Laws					see Arts summary table

Availability of Advanced Units and relation to Honours
The Faculty of Economics and Business does not offer advanced degrees or units but does accommodate outstanding students in the following ways:

- the UAI for the B.Com (liberal studies) and many of the B.Com combined degrees is very high (97 and above) and all of the students admitted into these programmes are very talented
- Honours coordinators in each discipline send letters to high performing students congratulating them on their performance and encouraging them to consider enrolling in honours
- Each year the Faculty produces a Dean's list of student with an AAM of 85 and above. This list is published in the Sydney Morning Herald.
- The Faculty offers a large number of scholarships to students with high UAIs.

Honours award courses are available in most of the subject areas in the respective degrees. A number of disciplines in the Faculty (not all) offer outstanding students the opportunity to enrol in pre-honours units of study in their second and third year. In some disciplines the pre-honours units are compulsory for students wishing to do final year honours, while in others they are not. A minimum weighted average mark (WAM) of 65% (i.e. a credit average) is required across all units taken within an undergraduate degree, but a minimum of 70% in subjects completed in the subject area of the discipline of intended honours study (pre-honours units or pass stream units). Some disciplines have entry standards above these minimums.

APPENDIX 3 A possible new degree: Bachelor of Liberal Arts and Sciences

Review the curricula of the broad degrees in Arts and Science (BAS, BST and Liberal Studies) to consider whether a single three-year generalist degree (perhaps with a four year advanced option) could provide the required breadth and ease of entry for a generalist degree.

A single general degree was designed, in which students choose to undertake a major in either the sciences or the humanities, complemented by a minor in the other discipline and a sequence of units of study that teach generic skills. This "Liberal Studies Sequence" is the key feature of the draft proposals 1A and 1B (see below). The units in this sequence would focus on generic skills that have been highlighted by employers as important – written/oral communication, numeracy/statistical literacy, ethics, logic/critical thinking etc – and could be a combination of new units and suitable units drawn from existing offerings (History and Philosophy of Science, introductory courses in Biology, Anthropology, Sociology, Philosophy, History, Environmental Studies, Australian Studies, Geology, Geography, Economics, Government or Psychology). This sequence could be paired with either an Arts or Science major; the restriction to no more than 72 cp (excluding Liberal Studies units) from any one Faculty is intended to ensure breadth.

We also considered whether an advanced option of the BLAS should be offered, but found this difficult to reconcile with the general nature of the degree and the probable marketing of the BSc and BA as more advanced options.

We also considered a degree that required both an Arts major and a Science major, but ultimately discounted this as insufficiently distinct from the BA and BSc, and likely to be attractive to only a small number of students. We could make those students aware of the possibility in both the BA and BSc to do a degree with a major from both Faculties. The combined BSc/BA also fulfils this function and it could be made more popular with students by shortening it to 4 years (bringing us into line with some of our competitors). This could be appealing to the better students who currently enrol in the BLibStudies.

Obviously the details of which units of study would be offered in this degree will need considered if the overall concept is accepted by the university.

Year 1	**S 1**	ARTS (Part A) Major Junior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit ENGL1000; ENGL1005; LING1005	**24**
	S 2	ARTS (Part A) Major Junior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit	**24**
Year 2	**S 1**	ARTS (Part A) Major Senior Unit	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Liberal Studies Unit	**24**
	S 2	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit	**24**
Year 3	**S 1**	ARTS (Part A) Senior Unit	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Liberal Studies Unit	**24**
	S 2	ARTS (Part A) Major Senior Unit	Elective Arts/Science	Elective Arts/Science	Liberal Studies Unit	**24**
					Total	**144**

Draft Proposal 1A: ARTS Major + Liberal Studies Sequence (with no more than 72cp (excluding Liberal Studies units) from any one Faculty)

Year 1	**S 1**	Elective Arts/Science	Science Major Junior Unit	Science Major Junior Unit	Liberal Studies Unit ENGL1000; ENGL1005; LING1005	**24**
	S 2	Elective Arts/Science	Science Major Junior Unit	Science Major Junior Unit	Liberal Studies Unit	**24**
Year 2	**S 1**	Elective Arts/Science	Science Major Intermediate Unit	Elective Arts/Science	Liberal Studies Unit	**24**
	S 2	Elective Arts/Science	Science Major Intermediate Unit	Elective Arts/Science	Liberal Studies Unit	**24**
Year 3	**S 1**	Elective Arts/Science	Science Major Senior Unit	Science Major Senior Unit	Liberal Studies Unit	**24**
	S 2	Elective Arts/Science	Science Major Senior Unit	Science Major Senior Unit	Liberal Studies Unit	**24**
					Total	**144**

Draft Proposal 1B: Science Major + Liberal Studies Sequence (with no more than 72cp (excluding Liberal Studies units) from any one Faculty)