

**Assumed Knowledge and Special Entry Requirements**  
(as referenced in clause 49 of the Coursework Policy 2014)

**Agriculture and Environment**

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Environmental Systems	Mathematics, Chemistry.			
Bachelor of Food and Agribusiness	Mathematics, Chemistry.	Biology.		
Bachelor of Science in Agriculture	Mathematics, Chemistry.			

**Architecture, Design and Planning**

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Architecture and Environments	English (Advanced), Mathematics.		Year 12 applicants can improve their chances of admission through flexible entry. Non-recent school leavers can improve their chances of admission by lodging an additional submission. Both flexible entry and additional submissions should include a portfolio.	
Bachelor of Design Computing	Mathematics.		Year 12 applicants can improve their chances of admission through flexible entry. Non-recent school leavers can improve their chances of admission by lodging an additional submission. Both flexible entry and additional submissions should include a portfolio.	
Bachelor of Design in Architecture	English (Advanced), Mathematics.		Year 12 applicants can improve their chances of admission through flexible entry. Non-recent school leavers can improve their chances of admission by lodging an additional submission. Both flexible entry and additional submissions should include a portfolio.	

## Arts and Social Sciences

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Arts	Depends on majors chosen. Some units of study assume a level of knowledge of the subject area. Complete beginners may take all majors, including languages.			
Bachelor of Arts (Media and Communications)	Arts: Depends on majors chosen. Some units of study assume a level of knowledge of the subject area. Complete beginners may take all majors, including languages. Media and Communications: None.		Year 12 applicants seeking admission to Bachelor of Arts (Media and Communications) under flexible entry need to submit a separate application directly to the Faculty.	
Bachelor of Arts (Languages)	Refer to Bachelor of Arts. It is strongly recommended that students undertaking this degree have prior experience of language learning and therefore familiarity with the kind of study necessary to succeed in language acquisition.			
Bachelor of Economics	Mathematics. Other assumed knowledge depends on the first-year units selected.			
Bachelor of International and Global Studies	Depends on the first-year units selected.			

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Bachelor of Political, Economic and Social Sciences	Depends on the first-year units selected.			
Bachelor of Arts/Bachelor of Economics	Mathematics. Other assumed knowledge depends on the first-year units selected.			
Bachelor of Arts/Bachelor of Social Work	Depends on the first-year units selected.			
Bachelor of Economics/Doctor of Medicine	Mathematics. Other assumed knowledge depends on the first-year units selected.		During the Bachelor of Economics students are required to complete studies in biology, physics and chemistry plus a zero-credit point subject in Medicine. In addition to the submission of a UAC application, selection is on the basis of ATAR or equivalent (expected to be 99.95) and an interview.	

### Business School

<b>Course</b>	<b>Assumed Knowledge</b>	<b>Recommended Studies</b>	<b>Special Entry Requirements or Other information</b>	<b>Date revised</b>
Bachelor of Commerce	Mathematics. Other assumed knowledge depends on the first-year units selected.			
Bachelor of Commerce (Liberal Studies)	Depends on the first-year units selected.			
Bachelor of Commerce/Bachelor of Arts	Mathematics. Other assumed knowledge depends on the first-year units selected.			
Bachelor of Commerce/Bachelor of Science	Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on the first-year units selected.			
Bachelor of Commerce/Doctor of Medicine	Mathematics. Other assumed knowledge depends on the first-year units selected.		During the Bachelor of Commerce students are required to complete studies in biology, physics and chemistry plus a zero-credit point subject in Medicine. In addition to the submission of a UAC application, selection is on	

			the basis of ATAR or equivalent (expected to be 99.95) and an interview.	
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## Dentistry

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Oral Health		Biology or Chemistry.	Selection is based on ATAR or equivalent, plus completion of a Personal Qualities Assessment (PQA) test and a Multi Mini Interview (MMI). The MMI is a series of short interviews of approximately 10 minutes each. Applicants will move between seven interview stations where they will be required to discuss various issues or scenarios with one or more interviewers.	

## Education and Social Work

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Education (Primary Education)	Any two units of English (not English as a Second Language) Band 5, and Band 5 in two other HSC subjects. Any 2 Units of mathematics (including General Mathematics) at HSC level or equivalent.			
Bachelor of Education (Secondary: Human Movement and Health Education)	Any two units of English (not English as a Second Language) Band 5, and Band 5 in two other HSC subjects.			
Bachelor of Education (Secondary: Humanities and Social Sciences)/ Bachelor of Arts	Any two units of English (not English as a Second Language) Band 5, and Band 5 in two other HSC subjects.			

Bachelor of Education (Secondary: Mathematics)/ Bachelor of Science	Any two units of English (not English as a Second Language) Band 5, and Band 5 in two other HSC subjects. For Bachelor of Science: Mathematics or HSC Mathematics Extension 1.	For Mathematics teachers: HSC Mathematics Extension 1.		
Bachelor of Education (Secondary: Science)/ Bachelor of Science	Any two units of English (not English as a Second Language) Band 5, and Band 5 in two other HSC subjects. For Bachelor of Science: Mathematics or HSC Mathematics Extension 1.			
Bachelor of Education (Early Childhood)	Depends on the first-year units selected.			
Bachelor of Social Work	Depends on the first-year units selected.			

## Engineering and Information Technologies

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Computer Science and Technology	Mathematics or HSC Mathematics Extension 1 (depends on the first-year units selected.).			
Bachelor of Computer Science and Technology (Advanced)	Mathematics or HSC Mathematics Extension 1 (depends on the first-year units selected.).			
Bachelor of Engineering Honours (Aeronautical)	HSC Mathematics Extension 1, Physics.			
Bachelor of Engineering Honours (Biomedical)	HSC Mathematics Extension 1, Physics and/or Chemistry.	Biology.		

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Bachelor of Engineering Honours (Chemical and Biomolecular)	HSC Mathematics Extension 1, Chemistry.			
Bachelor of Engineering Honours (Civil)	HSC Mathematics Extension 1, Physics.			
Bachelor of Engineering Honours (Electrical)	HSC Mathematics Extension 1, Physics.			
Bachelor of Engineering Honours (Software)	HSC Mathematics Extension 1, Physics.			
Bachelor of Engineering Honours (Mechanical)	HSC Mathematics Extension 1, Physics.			
Bachelor of Engineering Honours (Mechatronic)	HSC Mathematics Extension 1, Physics.			
Bachelor of Engineering Honours – Flexible First Year Program	HSC Mathematics Extension 1, Physics and/or Chemistry.			
Bachelor of Engineering Honours – Advanced Engineering Program	HSC Mathematics Extension 1, Physics and/or Chemistry.		UAC entry pathway only. Entry to this program is competitive and is on the basis of ATAR or equivalent (as a guide, 97.50 or higher).	
Bachelor of Engineering Honours - Space Engineering Major	HSC Mathematics Extension 1, Physics.		UAC entry pathway only. Entry to this program is competitive and is on the basis of ATAR or equivalent (as a guide, 99.00 or higher).	
Bachelor of Information Technology	Mathematics or HSC Mathematics Extension 1 (depends on the first-year units selected).			
Bachelor of Project Management	HSC Mathematics Extension 1.			
Bachelor of Engineering Honours/ Bachelor of Commerce	HSC Mathematics Extension 1, Physics.			
Bachelor of Engineering Honours (Civil)/ Bachelor of Design in Architecture	HSC Mathematics Extension 1 and Physics and English (Advanced).			
Bachelor of Engineering Honours/ Bachelor of Science	HSC Mathematics Extension 1 and Physics.			
Bachelor of Engineering Honours/ Bachelor of Arts	HSC Mathematics Extension 1 and Physics.			
Bachelor of Engineering	HSC Mathematics			

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Honours/ Bachelor of Project Management	Extension 1 and Physics.			
Bachelor of Engineering Honours/ Bachelor of Medical Science	HSC Mathematics Extension 1 and Physics.			
Bachelor of Engineering Honours/ Bachelor of Music Studies	For Engineering: HSC Mathematics Extension 1 and Physics. For Music studies: Music 2. For contemporary music practice major only: Music 1.		Applicants for Bachelor of Music Studies must undertake an interview or audition for study in an instrument, voice, musicology or composition.	
Bachelor of Information Technology/ Bachelor of Commerce	Mathematics or HSC Mathematics			
Bachelor of Information Technology/ Bachelor of Medical Science	Mathematics or HSC Mathematics Extension 1 (depends on the first-year units selected.).			
Bachelor of Information Technology/ Bachelor of Science	Mathematics or HSC Mathematics Extension 1 (depends on the first-year units selected.).			
Bachelor of Information Technology/ Bachelor of Arts	Mathematics or HSC Mathematics Extension 1 (depends on the first-year units selected.).			
Bachelor of Project Management/ Bachelor of Arts	HSC Mathematics Extension 1.			

### Health Sciences

<b>Course</b>	<b>Assumed Knowledge</b>	<b>Recommended Studies</b>	<b>Special Entry Requirements or Other information</b>	<b>Date revised</b>
Bachelor of Applied Science (Diagnostic Radiography)		Mathematics plus one of Biology, Chemistry or Physics.		
Bachelor of Applied Science (Exercise)	Mathematics, Chemistry.			

Physiology)				
Bachelor of Applied Science (Exercise and Sport Science)	Mathematics, Chemistry.			
Bachelor of Applied Science (Occupational Therapy)		Biology.		
Bachelor of Applied Science (Physiotherapy)	Chemistry, Physics.	Mathematics.		
Bachelor of Applied Science (Speech Pathology)		English (Advanced).	A bridging course in grammatical analysis is recommended for all students.	
Bachelor of Health Sciences	Movement Science major – Mathematics, Chemistry.	Hearing and Speech major – English (Advanced)		
Bachelor of Applied Science (Exercise and Sport Science)/Master Nutrition and Dietetics	Mathematics, Chemistry.			

## Law

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other Information	Date Revised
Bachelor of Design in Architecture/ Bachelor of Laws	English (Advanced).			
Bachelor of Science/ Bachelor of Laws	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics. Other assumed knowledge depends on the first-year units selected.			
Bachelor of Arts (Media and Communications)/ Bachelor of Laws	Depends on the first-year units selected.			
Bachelor of Arts/ Bachelor of Laws	Depends on the first-year units selected.			



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Bachelor of Commerce/ Bachelor of Laws	Mathematics. Other assumed knowledge depends on the first-year units selected.			
Bachelor of Economics/ Bachelor of Laws	Mathematics.			
Bachelor of Engineering Honours/ Bachelor of Laws	HSC Mathematics Extension 1, Physics and/or Chemistry.			
Bachelor of Information Technology/ Bachelor of Laws	Mathematics or HSC Mathematics Extension 1 (depends on the first-year units selected).			
Bachelor of International and Global Studies/ Bachelor of Laws	Depends on the first-year units selected.			
Bachelor of Science (Advanced Mathematics)/ Bachelor of Laws	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics. Other assumed knowledge depends on the areas or programs studied.			
Bachelor of Science (Advanced)/ Bachelor of Laws	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics. Other assumed knowledge depends on the areas or programs studied.			

## Nursing and Midwifery

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Arts/Master of Nursing	Depends on the first-year units selected.			
Bachelor of Science/Master of Nursing	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics. Other assumed knowledge depends on the first-year units selected.			
Bachelor of Health Sciences/Master of Nursing				
Bachelor of Nursing (Advanced Studies)			Students with a Diploma/Advanced Diploma in Aboriginal and Torres Strait Islander Health apply directly to Sydney Nursing School.	

## Pharmacy

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Pharmacy	Mathematics, Chemistry.	Biology or Physics.		

## Science

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other information	Date revised
Bachelor of Liberal Arts and Science	Depends on first-year units selected.			

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Bachelor of Science	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics. Other assumed knowledge depends on first-year units selected.			
Bachelor of Science (Advanced)	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics. Other assumed knowledge depends on first-year units selected.			
Bachelor of Science (Advanced Mathematics)	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics. Other assumed knowledge depends on first-year units selected.			
Bachelor of Medical Science (First-year Entry)	Mathematics, Chemistry plus Physics or Biology. All students in Bachelor of Medical Science must study first-year mathematics.			
Bachelor of Medical Science (Second-year Entry)			Completion of one year of a Science degree, including a full year of study of mathematics, chemistry, physics and biology (including molecular biology and genetics).	
Bachelor of Psychology	For Science stream: Mathematics. All students in the Bachelor of Psychology science stream must take some units of study in mathematics. For both streams: Depends on units selected.			

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Bachelor of Science/ Bachelor of Arts	Mathematics or HSC Mathematics Extension 1 (depends on the first- year units selected.).			
Bachelor of Science/Master of Nutrition and Dietetics	Mathematics, Chemistry, Biology. All students must take some units of study in mathematics. Other assumed knowledge depends on the first- year units selected.			
Bachelor of Science (Advanced)/Doctor of Dental Medicine	Mathematics or HSC Mathematics Extension 1. All students must take some units of study in mathematics and biology.		Applicants are eligible to apply for admission at the first opportunity after graduating from high school, regardless of when their results become available. Selection is on the basis of ATAR or equivalent (expected to be 99.5 for 2016 entry) and an interview.	
Bachelor of Medical Science/Doctor of Medicine	Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on Science degree chosen (Bachelor of Science (Advanced) or Bachelor of Medical Science).		All students in the Science/Medicine program must take some units of study in mathematics. Applicants are eligible to apply for admission at the first opportunity after graduating from high school, regardless of when their results become available. Selection is on the basis of ATAR or equivalent (expected to be 99.5 for 2016 entry) and an interview.	
Bachelor of Science (Advanced)/Doctor of Medicine	Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on Science degree chosen (Bachelor of Science (Advanced) or Bachelor of Medical Science).		All students in the Science/Medicine program must take some units of study in mathematics. Applicants are eligible to apply for admission at the first opportunity after graduating from high school, regardless of when their results become available. Selection is on the basis of ATAR or equivalent (expected to be 99.5 for 2016 entry) and an interview.	

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Bachelor of Medical Science/Doctor of Medicine (for Aboriginal and Torres Strait Islander applicants only)	Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on Science degree chosen (Bachelor of Science (Advanced) or Bachelor of Medical Science).		All students in the Science/Medicine program must take some units of study in mathematics. Applicants are eligible to apply for admission at the first opportunity after graduating from high school, regardless of when their results become available. In addition to your UAC application, applicants will need to apply through the Cadigal Alternative Entry Program. Cadigal Program applicants who have achieved an ATAR of 90 or above will be considered. The ATAR cut-off for the Cadigal Program will be determined prior to an interview in January each year.	
Bachelor of Science (Advanced)/Doctor of Medicine (for Aboriginal and Torres Strait Islander applicants only)	Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on Science degree chosen (Bachelor of Science (Advanced) or Bachelor of Medical Science).		All students in the Science/Medicine program must take some units of study in mathematics. Applicants are eligible to apply for admission at the first opportunity after graduating from high school, regardless of when their results become available. In addition to your UAC application, applicants will need to apply through the Cadigal Alternative Entry Program. Cadigal Program applicants who have achieved an ATAR of 90 or above will be considered. The ATAR cut-off for the Cadigal Program will be determined prior to an interview in January each year.	

### Sydney College of the Arts

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other Information	Date Revised
Bachelor of Visual Arts		Visual Art, Design and Technology.	Entry is assessed on the basis of ATAR and a portfolio of artwork.	

### Sydney Conservatorium of Music

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other Information	Date Revised
Bachelor of Music (Composition)	Music 2.		Applicants will undertake an interview and demonstrate their level of achievement as a composer by submitting three compositions in different performance media or genres.	
Bachelor of Music (Music)	Music 2. The Board of		Applicants will need to attend a music education	

Education)	Studies Teaching and Educational Standards NSW (BOSTES) require the following prerequisites for admission to the Bachelor of Music (Music Education) program. The general entry standard for school leavers into undergraduate initial teacher education degrees is three HSC Band 5 results including one in English. Other applicants may be admitted through an approved comparable measure or alternative pathway as approved by the Board of Studies, Teaching and Education Standards NSW.		interview in addition to the principal study audition or interview.	
Bachelor of Music (Performance)	Music 2.		Applicants will undertake an audition in a nominated instrument or voice.	
Bachelor of Music (Performance–Jazz)	Music 2.		Applicants will need to attend an audition and complete a jazz aptitude test.	
Bachelor of Music Studies	Music 2. For contemporary music practice major only: Music 1.		Applicants will undertake an audition for study in an instrument, voice, or an interview in contemporary music practice, musicology or composition.	
Bachelor of Music Studies/Bachelor of Arts	For Music studies: Music 2. For contemporary music practice major only: Music 1. For Arts units: Depends on the first-year units selected. Some units of study assume a level of knowledge of the		Applicants will undertake an audition for study in an instrument, voice, or an interview in contemporary music practice, musicology or composition.	

	subject area. Complete beginners may take any major, including languages.			
Bachelor of Music Studies/Doctor of Medicine	Music 2. For contemporary music practice major only: Music 1.		During the Bachelor of Music Studies students are required to complete studies in biology, physics and chemistry plus a zero-credit point subject in Medicine. Applicants are eligible to apply for admission at the first opportunity after graduating from high school, regardless of when their results become available. Selection for Bachelor of Music Studies/Doctor of Medicine is on the basis of ATAR or equivalent and an interview and/or audition for entry to the Bachelor of Music Studies. Only applicants who are successful in Bachelor of Music Studies interview and/or audition will be selected for the Medicine interview.	

### Veterinary Science

Course	Assumed Knowledge	Recommended Studies	Special Entry Requirements or Other Information	Date Revised
Bachelor of Animal and Veterinary Bioscience	Mathematics, Chemistry.	Biology.	Applicants from a rural area may be eligible to apply for the Faculty of Veterinary Science Rural Students Entry Scheme.	
Bachelor of Veterinary Biology/Doctor Veterinary Medicine	Mathematics, Chemistry, Physics.	Biology.	Year 12 applicants will be considered for selection based on their ATAR (or eqv) and their statement of commitment to Veterinary Science. Non-Year 12 applicants who have completed a minimum of one year's full-time university study (or eqv to 48 credit points) will be considered for selection on their grade point average and their commitment to Veterinary Science as detailed on the prescribed form. Applicants from a rural area may be eligible to apply for the Faculty of Veterinary Science Rural Students Entry Scheme.	