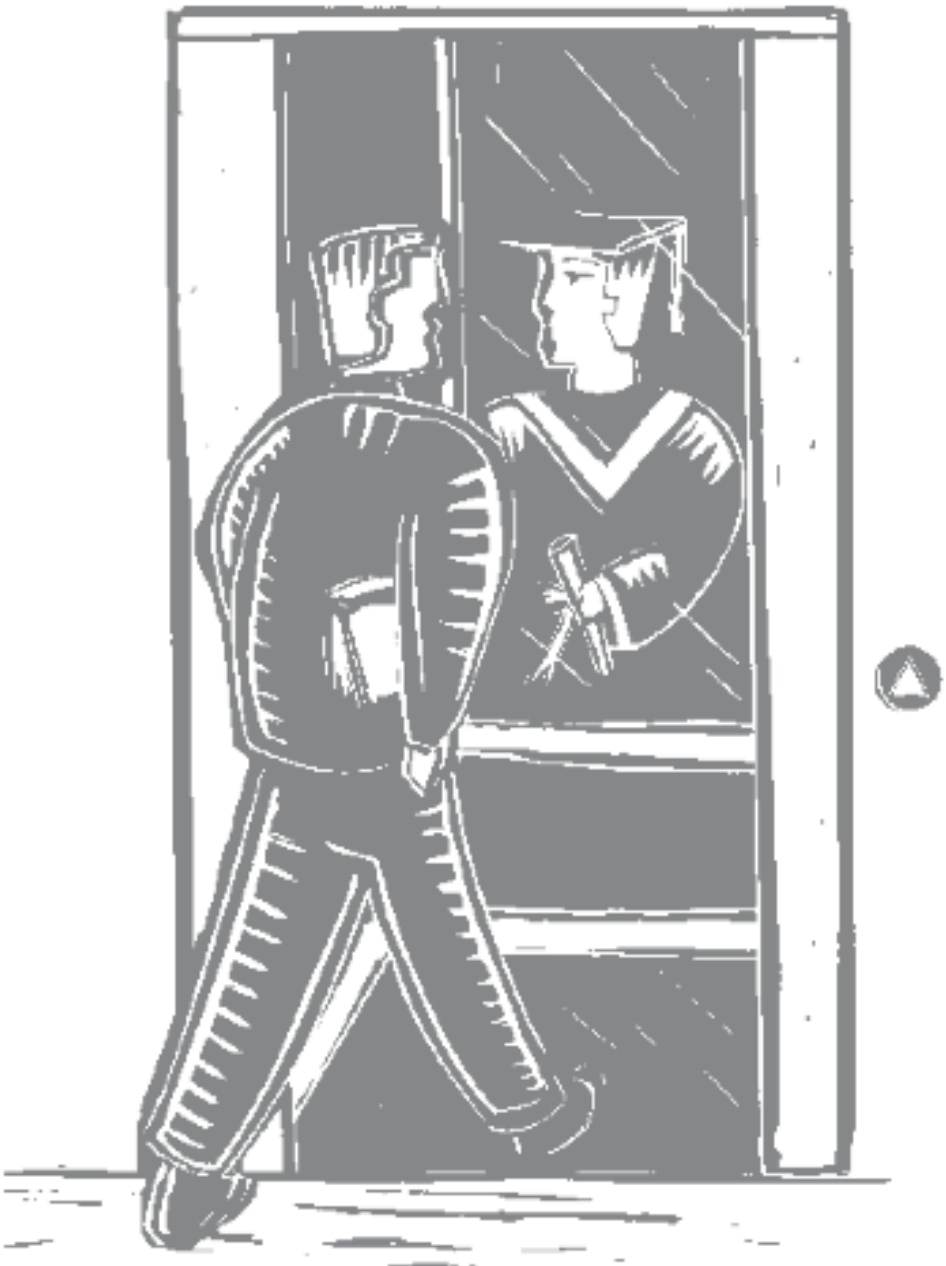
UNIVERSITY ADMISSION 2013

Admission Requirements
for School Leavers



Curtin University

AUSTRALIA ECU EDITH COWAN UNIVERSITY

Murdoch UNIVERSITY

THE UNIVERSITY OF WESTERN AUSTRALIA
Achieve International Excellence

This information is correct as at 28 March 2012

Please ensure that you access the TISC website (www.tisc.edu.au) regularly to check for any updates.

TISC

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(Monday to Friday)

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ABBREVIATIONS

The following abbreviations have been used in this brochure:

AQF	Australian Qualifications Framework
ATAR	Australian Tertiary Admission Rank
EALD	English as an Additional Language or Dialect
ECU	Edith Cowan University
ESL	English as a Second Language
IELTS	International English Language Testing System
TEA	Tertiary Entrance Aggregate
TEE	Tertiary Entrance Examination
TER	Tertiary Entrance Rank
TISC	Tertiary Institutions Service Centre
UMAT	Undergraduate Medicine and Health Sciences Admission Test
UWA	The University of Western Australia
WACE	Western Australian Certificate of Education

FOREWORD

The following information is issued on behalf of the four Western Australian public universities. Its aim is to help Year 10 students to decide on their senior school courses, so that they meet university admission requirements. Remember to choose courses which will allow entry to a wide range of university courses.

In determining the requirements for 2013 admission the universities have consulted the school sectors and the Curriculum Council, and taken account of changes announced in 2007 and 2008 by the then Minister of Education and Training, and the Curriculum Council. There are separate external examinations for stage 2 and stage 3 units in all WACE courses. To ensure the best possible chance of success in university studies, students intending to study WACE courses are **strongly recommended** to attempt stage 3 units (and in the case of mathematics courses, units 3C/3D) in Year 12, if they are capable of doing so.

For the remainder of this publication, in the context of Year 12 study, the term course(s) means both WACE course(s) and past TEE subjects.

This information is correct as at 28 March 2012. It applies to applicants who will be under 20 years of age on 28 February 2013 (ie students born on or after 1 March 1993). It is relevant only for admission in 2013 and is subject to change without notice.

STEVE HOATH
TISC Executive Officer

PARTICIPATING UNIVERSITIES

Curtin University
Edith Cowan University
Murdoch University
The University of Western Australia

DISCLAIMER

The universities reserve the right to change the content and/or method of presentation and/or the method of assessment of any unit of study, to withdraw any unit of study or program which they offer, to impose limitations on enrolment in any unit or program, and/or vary arrangements for any program. Enquiries regarding university admission requirements should be directed to the individual university(ies) concerned.

TISC and the participating universities cannot accept liability for any incorrect advice received from sources other than TISC, the universities or the universities' officially appointed agents.

UNIVERSITY APPLICATION PROCEDURES

Information about applying to the universities and admission to undergraduate courses will be sent to Year 12 students at their schools in August 2012. Application will be via TISC's website.

The closing date for applications without incurring a late fee is normally the end of September. Offers of admission are made by the universities in the second half of January and in early February.

Any further information about application procedures may be obtained from TISC. Enquiries about mid-year entry, external studies, postgraduate studies, timetables and particular course requirements should be directed to the university concerned.

You need to apply for admission through TISC if you:

- are an Australian citizen,
- are a New Zealand citizen,
- have been approved/granted Australian permanent resident status.

If you are not one of the above, you are an international student and you need to apply direct to the International Office at the relevant university.

REQUIREMENTS FOR UNIVERSITY ADMISSION

To be considered for university admission as a school leaver applicant, normally you must -

- meet the requirements for the **Western Australian Certificate of Education (WACE)** prescribed by the Curriculum Council, and
- achieve **competence in English** as prescribed by the individual universities, and
- obtain a sufficiently high **ATAR** for entry to a particular course (Edith Cowan University may not require an ATAR for some pathways), and
- satisfy any prerequisites or special requirements for entry to particular courses.

PORTFOLIO ENTRY PATHWAY TO ECU

Edith Cowan University offers an additional pathway for entry by school leaver students. To be considered for admission by Portfolio entry, school leavers must meet WACE, English competency requirements, satisfy any prerequisites or special requirements for entry to particular courses and have studied a minimum of four WACE courses in Year 12 (two of which must be at a minimum stage 2). Applications will be partially assessed prior to release of final results and applicants may be required to attend an interview.

Detailed information about the requirements for the Portfolio Entry Pathway to ECU may be obtained from Student Recruitment on 134 328 or www.reachyourpotential.com.au.

PORTFOLIO ENTRY TO MURDOCH UNIVERSITY

In addition to the requirements outlined above, Murdoch University offers a portfolio pathway for admission to the Bachelors degrees in the Bachelor of Communications, Bachelor of Media and Bachelor of Digital Media. Students must satisfy Murdoch's English requirement, as outlined below, and should apply through TISC but submit their Portfolio directly to the Student Centre at Murdoch University. Portfolios will be assessed by academic staff in the relevant discipline. For more information see www.murdoch.edu.au.

ADMISSION OF STUDENTS FROM NON-STANDARD SCHOOLS

Normally all school leaver applicants for university are required to meet the admission requirements outlined in this brochure. You may not meet these admission requirements if you are attending a school that does not follow the standard Western Australian school system. If so, apply for admission to a university course through TISC, but include with your application a statement giving full details of your upper secondary school studies. Your application will be considered on an individual basis. For The University of Western Australia, in some courses you may be in direct competition with non-school leavers. The WACE, awarded by the Curriculum Council, is not required by any of the universities for students from non-standard schools.

SCHOOL LEAVERS WITH AQF/TAFE QUALIFICATIONS

Curtin University

Curtin University will expect, as a minimum, school leaver age applicants who seek entry via this pathway, to have:

- successfully completed an AQF/TAFE Certificate IV; and
- met Curtin University's competence in English requirement.

For further information, contact the University's Admission Centre: admissions@curtin.edu.au or telephone 08 9266 7805.

Edith Cowan University

Students who have:

- successfully completed an AQF/TAFE Certificate IV as part of their Year 12 studies; and
- achieved WACE; and
- met Edith Cowan University's competence in English requirement

may apply direct to ECU using the Portfolio Entry Pathway.

Murdoch University

Murdoch University will accept an AQF/TAFE Certificate IV as a basis for admission to most courses, however school leavers using a Certificate IV achieved during their Years 11 and 12 must also have:

- achieved WACE; and
- met Murdoch's competence in English requirement.

The University of Western Australia

The University of Western Australia will accept an AQF/TAFE qualification at Diploma level as a basis of admission for a limited number of courses; however school leavers using a diploma achieved during their Years 11 and 12 must also have:

- achieved WACE; and
- met UWA's competence in English requirement; and
- met course prerequisite requirements.

Selection is based on academic merit and entry via this route is very competitive.

1. WESTERN AUSTRALIAN CERTIFICATE OF EDUCATION (WACE)

It is essential for you to satisfy the requirements of the WACE to enter all four universities, unless you are an applicant from a non-standard WA school. Detailed information about the WACE may be obtained from the Curriculum Council, 27 Walters Drive, Osborne Park, 6017, phone (08) 9273 6300, www.curriculum.wa.edu.au.

2. COMPETENCE IN ENGLISH

For university admission purposes, usually you demonstrate competence in English by achieving the prescribed standard in one of the WACE courses: English, Literature or English as an Additional Language or Dialect (EALD), or from competence met in the previously offered subjects: TEE English, TEE English Literature or TEE English as a Second Language (ESL).

You can meet the competence in English requirement with Year 12 results obtained in any calendar year.

English as an Additional Language or Dialect can only be taken by students who meet eligibility criteria set by the Curriculum Council. If English as an Additional Language or Dialect is not available at your school, you should take English course and also contact the universities for details about alternative acceptable English tests.

ENGLISH; LITERATURE; ENGLISH AS AN ADDITIONAL LANGUAGE OR DIALECT

Curtin University

Murdoch University

The University of Western Australia

You must achieve a scaled score of at least 50, in stage 2 or stage 3.

Edith Cowan University

You must achieve

- a scaled score of at least 50, in stage 2 or stage 3, **or**
- a letter grade of A, B or C in two units of English (2A, 2B, 2C, 2D, 3A or 3B) or English as an Additional Language or Dialect or Literature (2A, 2B, 3A or 3B) studied in Year 12.

All Universities

English, Literature or English as an Additional Language or Dialect sat on a **private basis** (if available) can be used to meet all universities' competency in English requirement (see *Courses Studied on a Private Basis* below). In this case, you must achieve a scaled score of at least 50, in stage 2 or stage 3.

CONCESSIONS

Curtin University

Edith Cowan University

Murdoch University

(a) If you have not met the competency in English requirement for one of these three universities, that university will concede competence in English to you if you have achieved a standardised moderated numeric school assessment or standardised numeric examination assessment of at least 55 in stage 2 or stage 3 English or Literature. For English as an Additional Language or Dialect a standardised moderated written school assessment or standardised written exam mark of at least 55 is required.

(b) If you have not met the requirement (a) above for one of the above three universities, but you have:

- achieved an ATAR above the minimum specified annually by the universities, **and**
- achieved a scaled score less than 50 in stage 2 or stage 3 English, Literature or English as an Additional Language or Dialect,

then you may demonstrate your competence in English by sitting the Special Tertiary Admissions Test (STAT), or the International English Language Testing System (IELTS) early in January.

The University of Western Australia

(a) If you have not met the competency in English requirement for The University of Western Australia, The University of Western Australia will concede competence in English to you if you have achieved a standardised moderated numeric school assessment or standardised numeric examination assessment of at least 60 in stage 2 or stage 3 English or Literature. For English as an Additional Language or Dialect a standardised moderated written school assessment or standardised written exam mark of at least 60 is required.

(b) If you have not met the requirement (a) above for The University of Western Australia, but you have:

- achieved an ATAR above the minimum specified annually by the universities, **and**
- achieved a scaled score less than 50 in stage 2 or stage 3 English, Literature or English as an Additional Language or Dialect,

then you may demonstrate your competence in English by sitting the Special Tertiary Admissions Test (STAT), or the International English Language Testing System (IELTS) early in January.

TEE ENGLISH, TEE ENGLISH LITERATURE OR TEE ENGLISH AS A SECOND LANGUAGE (ESL) SAT PREVIOUSLY

All Universities

TEE English, TEE English Literature and TEE English as a Second Language (ESL) are no longer offered. However, if you have satisfied a university's competence in English requirement previously via results in TEE English, TEE English Literature or TEE English as a Second Language (ESL), then you have satisfied that university's current competence in English requirement.

3. THE AUSTRALIAN TERTIARY ADMISSION RANK (ATAR)

The Australian Tertiary Admission Rank is the basis of admission to most university courses. You are ranked in order of merit based on your ATAR.

The ATAR ranges between zero and 99.95. It reports your rank relative to all other WA students of Year 12 school leaving age and takes into account the number of students with a Tertiary Entrance Aggregate (TEA) as well as the number of people of Year 12 school leaving age in the population of this state. An ATAR of 75.00 indicates that you have an overall rating equal to or better than 75% of the Year 12 school leaving age population in Western Australia.

The ATAR is calculated using scaled scores in courses.

SCALING AND INCREMENTS

All course results will be scaled to ensure fairness to all students.

Unless otherwise specified, references to scaled scores in this brochure mean the final scaled score obtained in either stage 2 or stage 3 of a WACE course, or in a past TEE subject. The Average Marks Scaling process is used to scale marks obtained in stage 2 or stage 3 of a course. For a full explanation and diagram of the process, see *Marks Adjustment Process for University Admission* at www.tisc.edu.au.

WACE courses except Mathematics and Mathematics: Specialist

As an incentive for students to study courses at the more demanding stage 3 if they are capable of doing so, an increment will be applied to stage 3 marks. After standardisation and statistical moderation has occurred, the combined unscaled marks at stage 3 of a course and the combined unscaled marks at stage 2 of the course are placed on a common scale of adjusted combined marks for the course. The adjusted combined marks at stage 3 will be increased by 15 marks per course relative to the adjusted combined marks at stage 2. After this, the marks in both stages are merged and scaled using Average Marks Scaling. No increment will be applied if a course is only examined at stage 3.

Mathematics and Mathematics: Specialist

Mathematics (with four unit pairs 2A/2B; 2C/2D; 3A/3B and 3C/3D) and Mathematics: Specialist (with two unit pairs 3A/3B and 3C/3D) have six possible examinations. To encourage students to attempt the highest level of mathematics they are capable of, the following increments will be applied before scaling:

Mathematics Adjusted combined marks for 2A/2B – no increment
Adjusted combined marks for 2C/2D + 10
Adjusted combined marks for 3A/3B + 20
Adjusted combined marks for 3C/3D + 30

Mathematics: Specialist
Adjusted combined marks for 3A/3B – no increment
Adjusted combined marks for 3C/3D + 15

CALCULATION OF THE TEA

The ATAR is derived from the Tertiary Entrance Aggregate (TEA).

The TEA will be calculated by adding the best four scaled scores. These may be in any combination of courses and/or past TEE subjects, as listed below. No course or past TEE subject can be counted more than once.

NOTE: Stage 2 and stage 3 of the same WACE course cannot both count.

In calculating the scaled score, equal weight is given to the final school mark and the final examination mark, except where courses/subjects are taken on a private basis (see explanation under *Courses Studied on a Private Basis* below).

There are unacceptable course combinations whereby scores in both courses/subjects cannot both be used (see explanation under *Unacceptable Course Combinations* below).

For all universities you may accumulate scaled scores which contribute to your ATAR over **five** consecutive years. Scaled scores from previous study of TEE subjects or WACE courses are on the same scale as scaled scores obtained from study in 2012 and will be used directly in the calculation of an ATAR, if applicable. You may use previous scaled scores back to 2008.

TEA TO ATAR

TISC will construct a table to convert your TEA to an ATAR. The table takes into account the number of students with a TEA and the number of people of Year 12 school leaving age in the state. This table is constructed annually.

LOTE BONUS

Curtin University

The University of Western Australia

As an incentive for WACE students to study a Language Other Than English (LOTE), Curtin University and The University of Western Australia provide a bonus to students who achieve a scaled score in a Curriculum Council approved LOTE course. This results in a Selection Rank higher than your ATAR, if you have studied a LOTE course from 2011 onwards. This Selection Rank is then used, in place of the lower ATAR, for admission to Curtin and UWA courses.

To calculate your Selection Rank, your TEA will firstly be enhanced by 10% of your final scaled score in a LOTE course. Your Selection Rank will be calculated from the TEA/ATAR conversion table, using this enhanced TEA. If you complete more than one LOTE course, the bonus will be calculated using the LOTE course with the highest scaled score. Note that this LOTE bonus will only be applied for LOTE courses studied from 2011 onwards. You receive the LOTE bonus irrespective of whether your LOTE course was counted as one of the best four in your original TEA.LOTE courses are identified with '*' in the table of *Courses Which are Used to Form the ATAR* below.

PRIOR YEAR TER/ATAR

If you have a TER or ATAR from a previous year, you will be given the benefit of the higher of your previous TER/ATAR and your current ATAR. If you have not previously satisfied the WACE requirement or a university's competence in English requirement, you must satisfy current requirements.

COURSES WHICH ARE USED TO FORM THE ATAR

NOTE: You are **strongly recommended** to attempt stage 3 units in Year 12, if you are capable of doing so.

Courses

Aboriginal and Intercultural Studies
Aboriginal Languages of WA*
Accounting and Finance
Ancient History
Animal Production Systems
Applied Information Technology
Arabic*
Automotive Engineering and Technology
Aviation
Biological Sciences
Building and Construction
Business Management and Enterprise
Career and Enterprise
Chemistry
Children, Family and the Community
Chinese: Background Speakers*
Chinese: Second Language*
Computer Science
Dance
Design
Drama
Earth and Environmental Science
Economics
Engineering Studies
English
English as an Additional Language or Dialect (EALD)
Food Science and Technology
French*
Geography
German*
Health Studies
Hebrew*
Human Biological Science
Indonesian: Background Speakers*
Indonesian: Second Language*
Integrated Science
Italian*
Japanese: Background Speakers*
Japanese: Second Language*
Literature
Malay: Background Speakers*
Marine and Maritime Studies
Materials Design and Technology
Mathematics
Mathematics: Specialist
Media Production and Analysis
Modern Greek*
Modern History
Music
Outdoor Education
Philosophy and Ethics
Physical Education Studies
Physics
Plant Production Systems
Politics and Law
Psychology
Religion and Life
Visual Arts

NOTE:

1. There may be some additional interstate language courses* and examinations available in WA schools in 2012, which may be counted in the ATAR. Contact the Curriculum Council for details of availability.

2. * indicates a language other than English (LOTE) course.

UNACCEPTABLE COURSE COMBINATIONS

You cannot use the following course combinations in calculating your ATAR. It may be possible to take both courses but the result in only one may be used to calculate your ATAR.

Biological Sciences **with** Human Biological Science

Chemistry **with** Integrated Science

Chinese: Background Speakers **with** Chinese: Second Language

English **with** English as an Additional Language or Dialect

English **with** Literature

English as an Additional Language or Dialect **with** Literature

Indonesian: Background Speakers **with** Indonesian: Second Language

Indonesian: Background Speakers **with** Malay: Background Speakers

Japanese: Background Speakers **with** Japanese: Second Language

Malay: Background Speakers **with** Indonesian: Second Language

Physics **with** Integrated Science

If you have results from past study in TEE subjects, you cannot use the following combinations in calculating your ATAR. If you are repeating Year 12 studies, you may have results from both courses but the results in only one may be used to calculate your ATAR. Results from study prior to 2008 cannot be used in the ATAR.

NOTE: In addition to unacceptable course combinations listed above and below, no more than two of Mathematics, Mathematics: Specialist, and the former TEE subjects Applicable Mathematics, Calculus and Discrete Mathematics can be used.

Accounting and Finance with Accounting (TEE)

Ancient History **with** Ancient History (TEE)

Applicable Mathematics (TEE) **with** Mathematics

Art (TEE) **with** Visual Arts

Biological Sciences **with** Biology (TEE)

Biological Sciences **with** Human Biology (TEE)

Biology (TEE) **with** Human Biology (TEE)

Biology (TEE) **with** Human Biological Science

Calculus (TEE) **with** Mathematics: Specialist

Chemistry **with** Chemistry (TEE)

Chemistry **with** Physical Science (TEE)

Chemistry (TEE) **with** Integrated Science

Chemistry (TEE) **with** Physical Science (TEE)

Chinese: Advanced (TEE) **with** Chinese: Second Language (TEE)

Chinese: Advanced (TEE) **with** Chinese: Background Speakers

Chinese: Advanced (TEE) **with** Chinese: Second Language

Chinese: Background Speakers **with** Chinese: Second Language (TEE)

Chinese: Second Language **with** Chinese: Second Language (TEE)

Computer Science **with** Information Systems (TEE)

Discrete Mathematics (TEE) **with** Applicable Mathematics (TEE)

Discrete Mathematics (TEE) **with** Calculus (TEE)

Discrete Mathematics (TEE) **with** Mathematics

Drama **with** Drama Studies (TEE)

Economics with Economics (TEE)

English **with** English Literature (TEE)

English Literature (TEE) **with** English as an Additional Language or Dialect

English Literature (TEE) **with** Literature

French **with** French (TEE)

Geography **with** Geography (TEE)

German **with** German (TEE)

Human Biological Science **with** Human Biology (TEE)

Indonesian: Advanced (TEE) **with** Indonesian: Second Language (TEE)

Indonesian: Advanced (TEE) **with** Malay: Advanced (TEE)

Indonesian: Advanced (TEE) **with** Indonesian: Background Speakers
Indonesian: Advanced (TEE) **with** Indonesian: Second Language
Indonesian: Advanced (TEE) **with** Malay: Background Speakers
Indonesian: Background Speakers **with** Malay: Advanced (TEE)
Indonesian: Second Language (TEE) **with** Indonesian: Background Speakers
Indonesian: Second Language (TEE) **with** Indonesian: Second Language
Indonesian: Second Language (TEE) **with** Malay Advanced (TEE)
Indonesian: Second Language (TEE) **with** Malay: Background Speakers
Indonesian: Second Language **with** Malay: Advanced (TEE)
Integrated Science **with** Physical Science (TEE)
Integrated Science **with** Physics (TEE)
Italian **with** Italian (TEE)
Japanese: Advanced (TEE) **with** Japanese: Second Language (TEE)
Japanese: Advanced (TEE) **with** Japanese: Background Speakers
Japanese: Advanced (TEE) **with** Japanese: Second Language
Japanese: Second Language (TEE) **with** Japanese: Second Language
Japanese: Second Language (TEE) **with** Japanese: Background Speakers
Marine and Maritime Technology (2010) **with** Marine and Maritime Studies (2011 on)
Modern History **with** History (TEE)
Music (TEE) **with** Music
Physics (TEE) **with** Physical Science (TEE)
Physics **with** Physical Science (TEE)
Physics (TEE) **with** Physics
Political and Legal Studies (TEE) **with** Politics and Law

COURSES STUDIED ON A PRIVATE BASIS

You may use results in courses sat privately in the calculation of your ATAR.

If you wish to sit WACE courses on a private basis you must enrol with the Curriculum Council. It is possible that not all courses will be available to private candidates. Your scaled score in courses you sit privately will be based on your course examination mark only.

You will not be able to use results from courses sat privately to meet the WACE requirement.

4. PREREQUISITES

Make sure that you satisfy the prerequisites for admission to the university course of your choice. Prerequisites are courses or special requirements that must be successfully completed for entry to particular university courses.

Generally a scaled score of 50 or more in stage 3 of a WACE course or in a past TEE subject is required for prerequisites purposes, however mathematics prerequisites differ across university courses. See individual university course entries which follow for details. Note that where a prerequisite is listed as 'at least Mathematics 2C/2D', Mathematics 3A/3B or Mathematics 3C/3D will also be accepted.

Prerequisites may be satisfied by results from the current year or previous four years. Where the following WACE courses have been indicated in individual university sections as prerequisites, a scaled score of 50 or more obtained in 2008 or 2009 in the TEE subjects shown will also be accepted.

WACE Course prerequisite	*Also accepted*
Accounting and Finance 3A/3B	Accounting (TEE)
Biological Sciences 3A/3B	Biology (TEE)
Chemistry 3A/3B	Chemistry (TEE)
Computer Science 3A/3B	Information Systems (TEE)
Economics 3A/3B	Economics (TEE)
Geography 3A/3B	Geography (TEE)
Human Biological Science 3A/3B	Human Biology (TEE)
At least Mathematics 2C/2D	Discrete Mathematics (TEE), Applicable Mathematics (TEE), Calculus (TEE)
Integrated Science 3A/3B	Chemistry (TEE), Physical Science (TEE), Physics (TEE)
Mathematics 3A/3B	Applicable Mathematics (TEE)
Mathematics 3C/3D	Applicable Mathematics (TEE), Calculus (TEE)
Mathematics: Specialist 3A/3B	Applicable Mathematics (TEE), Calculus (TEE)
Mathematics: Specialist 3C/3D	Calculus (TEE)
Physics 3A/3B	Physics (TEE)

Murdoch University does not require applicants to have undertaken specific prerequisite courses and instead provides introductory units to enable its students to become skilled in specific areas in which they may be lacking.

For some university courses the special requirements may include bridging/special course units, interviews, auditions, folio presentations, manual dexterity tests, aptitude tests, fitness requirements, etc. Detailed information is available from the individual universities.

COURSE PREREQUISITES

The following list outlines the prerequisite and recommended courses for entry to university courses in 2013. Additional requirements are also outlined.

CURTIN UNIVERSITY

The following list outlines the prerequisite and recommended WACE courses/TEE subjects for entry to Curtin courses in 2013. Additional non-Year 12 requirements are also outlined. To satisfy the prerequisite requirements, a scaled score of 50 or more is required, unless otherwise specified. For 2013 admission, scaled scores in courses other than where specified for Mathematics must be at stage 3. Unless otherwise specified, scaled scores in desirable courses are recommended to be at stage 3.

NOTE: High achieving students may be considered for Curtin courses without initially meeting prerequisite requirements, however preparatory units/courses may be required to be completed and this will extend the degree, or delay entry into the degree course, by at least one semester.

[1] Applicants may be considered without some of these courses. Contact the individual Curtin School.

[2] Preference will be given to applicants with a Language other than English (LOTE) course/subject, and also applicants with other evidence of formal language studies.

[3] WACE course or TEE subject.

[4] Biological Sciences 3A/3B, Chemistry 3A/3B, Earth and Environmental Science 3A/3B, Human Biological Science 3A/3B, Integrated Science 3A/3B, Physics 3A/3B or Psychology 3A/3B; or TEE Biology, TEE Chemistry, TEE Human Biology, TEE Physical Science or TEE Physics satisfies this requirement.

[5] Accreditation by the Institution of Actuaries requires applicants to have a minimum ATAR of 92.00.

[6] Biological Sciences 2A/2B, Chemistry 2A/2B, Earth and Environmental Science 2A/2B, Human Biological Science 2A/2B, Integrated Science 2A/2B, Physics 2A/2B or Psychology 2A/2B; or TEE Biology, TEE Chemistry, TEE Human Biology, TEE Physical Science or TEE Physics satisfies this requirement.

COURSE	PREREQUISITES	DESIRABLE
Actuarial Science	Mathematics 3C/3D or Mathematics: Specialist 3C/3D ATAR of 92.00 or equivalent[5]	Mathematics: Specialist 3C/3D
Agribusiness	None	Mathematics 2C/2D, Biological Sciences 2A/2B, Accounting and Finance 2A/2B, and Economics 2A/2B
Anthropology and Sociology	None	
Applied Geology	At least Mathematics 2C/2D	
Applied Geology/Environmental Biology	At least Mathematics 2C/2D	One science course[4]
Applied Geology/Finance	At least Mathematics 2C/2D	
Applied Geology/Geophysics	Mathematics 3C/3D[1] and Physics 3A/3B[1]	Mathematics: Specialist 3C/3D
Architectural Science	None	
Art and Design Studies	Portfolio presentation	
Arts/Commerce	None	At least Mathematics 2C/2D
Asian Studies	None[2]	
Astronomy	Mathematics 3C/3D or Mathematics: Specialist 3C/3D, and Physics 3A/3B	Mathematics: Specialist 3C/3D
Business Administration	None	At least Mathematics 2C/2D
Chemical Engineering/Chemistry	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Chemical Engineering/Extractive Metallurgy	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Chemistry/Extractive Metallurgy	Chemistry 3A/3B and Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B and Mathematics: Specialist 3C/3D
Chinese	None	
Civil and Construction Engineering/Mining	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Commerce	None	At least Mathematics 2C/2D

COURSE	PREREQUISITES	DESIRABLE
Commerce – Online	None	At least Mathematics 2C/2D
Computer Systems and Networking	At least Mathematics 2C/2D	Mathematics 3C/3D or Mathematics: Specialist 3C/3D
Computer Systems Engineering/Computer Science	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Computing	At least Mathematics 2C/2D	Mathematics 3C/3D or Mathematics: Specialist 3C/3D
Construction Management and Economics	At least Mathematics 2C/2D	Mathematics 3C3D or Mathematics: specialist 3C/3D
Creative Advertising and Graphic Design	Portfolio presentation	
Creative Writing	None	
Digital Design	Portfolio presentation	
Early Education *(BA(EarlyEd))*	None	
Education - Early Childhood Teaching	None	
Education - Primary Teaching	None	At least Mathematics 2C/2D
Education – Secondary Teaching	Course[3] appropriate to teaching area	For teaching Mathematics: Mathematics 3C/3D and/or Mathematics: Specialist 3C/3D
Engineering • Chemical • Civil and Construction • Computer Systems • Electrical Power • Electronic and Communication • Mechanical • Mechatronic • Petroleum • Software	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Electronic and Communication Engineering/Computer Science	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Enabling Course in Science and Engineering	None. All applicants are required to submit a 500 word Personal Statement highlighting their personal goals and aspirations.	
Engineering/Commerce (5.5 years)	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Environmental Science (Honours)	Mathematics 3C/3D and Chemistry 3A/3B or Physics 3A/3B, if studying the Chemistry or Physics stream respectively	Mathematics: Specialist 3C/3D (for Mathematics and Physics streams)
Extractive Metallurgy *(BSc)*	Mathematics 3C/3D or Mathematics: Specialist 3C/3D, and Chemistry 3A/3B or Physics 3A/3B	
Fashion	Portfolio presentation	
Fine Art	Portfolio presentation	
Food Science and Technology	None	Mathematics 3C/3D and Chemistry 3A/3B or Integrated Science 3A/3B
Geographic Information Science	At least Mathematics 2C/2D[1]	Mathematics 3C/3D
Geographic Information Science/Applied Geology	At least Mathematics 2C/2D[1]	Mathematics 3C/3D
Geophysics	Mathematics 3C/3D[1] and Physics 3A/3B[1]	Mathematics: Specialist 3C/3D

COURSE	PREREQUISITES	DESIRABLE
Health Information Management	None.	One science course[4] .
Health Promotion	None.	At least one science course[6]
Health Promotion/Health & Safety	None.	At least one science course[6]
Health Promotion/Nutrition	Chemistry 3A/3B	At least Mathematics 2C/2D
Health, Safety and Environment	None	One science course[4] and at least Mathematics 2C/2D
Health Sciences	None.	One science course[4]
History	None	
Human Biology (Preclinical)	None	At least Chemistry 3A/3B and Mathematics 3A/3B; and Human Biological Science 3A/3B or Biological Sciences 3A/3B
Indigenous Australian Cultural Studies	None	
Interior Architecture	None	
International Relations	None	
Internet Communications	None	
Japanese	None	
Journalism	None	
Laboratory Medicine	None	At least Chemistry 3A/3B and Mathematics 3A/3B and Human Biological Science 3A/3B or Biological Sciences 3A/3B
Languages and Asian Cultures/Commerce	None[2]	At least Mathematics 2C/2D
Librarianship and Corporate Information Management	None	
Literary and Cultural Studies	None	
Mass Communication	None	
Medical Imaging Science	Physics 3A/3B and Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Mathematics: Specialist 3C/3D
Metallurgical Engineering *(BEng)*	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Metallurgical Engineering/Management	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Midwifery	None	Human Biological Science 3A/3B and Integrated Science 3A/3B
Mine and Engineering Surveying	At least Mathematics 2C/2D	Mathematics 3C/3D
Mining Engineering	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Mining (*BSc*)	Mathematics 3C/3D and Physics 3A/3B or Chemistry 3A/3B	
Mineral Exploration and Mining Geology	At least Mathematics 2C/2D	

COURSE	PREREQUISITES	DESIRABLE
Molecular Genetics and Biotechnology	None	At least Chemistry 3A/3B and Mathematics 3A/3B; and Human Biological Science 3A/3B or Biological Sciences 3A/3B
Nanotechnology	Mathematics 3C/3D or Mathematics: Specialist 3C/3D and Chemistry 3A/3B and/or Physics 3A/3B, depending on stream	
Nursing (General)	None	Human Biological Science 3A/3B and Integrated Science 3A/3B
Nutrition	Chemistry 3A/3B	At least Mathematics 2C/2D
Occupational Therapy	At least one science course[4]	
Oral Health Therapy	None	Human Biological Science 3A/3B or Biological Sciences 3A/3B
Performance Studies	None	
Pharmacy	Chemistry 3A/3B and Mathematics 3A/3B	
Photography and Illustration Design	Portfolio presentation	
Physics/Electrical Communication Engineering	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Physics/Electrical Power Engineering	At least three of the following four: Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B	Engineering Studies 3A/3B
Physiotherapy	At least one science course[4]	
Professional Writing	None	
Psychology	None	At least Mathematics 2C/2D
Psychology/Commerce (Human Resource Management and Industrial Relations)	None	At least Mathematics 2C/2D
Science • Agriculture • Applied Mathematics and Statistics • Biochemistry • Chemistry • Coastal Zone Management • Environmental Biology • Mathematical Sciences and Computing • Mathematical Sciences and Finance • Multidisciplinary Science • Nanotechnology • Physics	All Science majors except the Agriculture, Coastal Zone Management, Environmental Biology and the Multidisciplinary Science major require Mathematics 3C/3D or Mathematics: Specialist 3C/3D and units 3A/3B in the chosen area of specialisation, eg Chemistry or Physics Agriculture, Coastal Zone Management, Environmental Biology and Multidisciplinary Science – at least one science course[4] and at least Mathematics 2C/2D	 Mathematics 3C/3D
Science/Arts • Agriculture • Applied Mathematics and Statistics • Biochemistry • Chemistry • Coastal Zone Management • Environmental Biology • Mathematical Sciences and Computing • Mathematical Sciences and Finance • Multidisciplinary Science • Nanotechnology • Physics	All Science majors except the Agriculture, Coastal Zone Management, Environmental Biology and the Multidisciplinary Science major require Mathematics 3C/3D or Mathematics: Specialist 3C/3D and units 3A/3B in the chosen area of specialisation, eg Chemistry or Physics Agriculture, Coastal Zone Management, Environmental Biology and Multidisciplinary Science – at least one science course[4] and at least Mathematics 2C/2D	 Mathematics 3C/3D

COURSE	PREREQUISITES	DESIRABLE
Science/Commerce • Agriculture • Applied Mathematics and Statistics • Biochemistry • Chemistry • Coastal Zone Management • Environmental Biology • Mathematical Sciences and Computing • Mathematical Sciences and Finance • Multidisciplinary Science • Nanotechnology • Physics	All Science majors except the Agriculture, Coastal Zone Management, Environmental Biology and the Multidisciplinary Science major require Mathematics 3C/3D or Mathematics: Specialist 3C/3D and units 3A/3B in the chosen area of specialisation, eg Chemistry or Physics	
	Agriculture, Coastal Zone Management, Environmental Biology and Multidisciplinary Science – at least one science course[4] and at least Mathematics 2C/2D	Mathematics 3C/3D
Screen Arts	None	
Social Work	None	
Speech Pathology	At least one science course[4]	At least Mathematics 2C/2D
Surveying	At least Mathematics 2C/2D	Mathematics 3C/3D
Surveying/Entrepreneurship	At least Mathematics 2C/2D	Mathematics 3C/3D
Surveying/Property	At least Mathematics 2C/2D	Mathematics 3C/3D
Sustainable Development	None	
Textiles	Portfolio presentation	
3D Design	Portfolio presentation	
UniReady Enabling Program	None. All applicants are required to submit a 500 word Personal Statement highlighting their personal goals and aspirations.	
Urban & Regional Planning	None	
Viticulture and Oenology - *Associate Degree*	None	Mathematics 3C/3D
Viticulture & Oenology	None	Mathematics 3C/3D

EDITH COWAN UNIVERSITY

The following are the prerequisites which apply for entry to ECU courses for which applications are submitted through TISC. For all other courses no prerequisites apply. A minimum scaled result of 50 is normally required for prerequisite WACE courses and TEE subjects. For 2013 admission, scaled marks in WACE courses must be at stage 3.

[1] Biological Sciences 3A/3B, Chemistry 3A/3B, Earth and Environmental Science 3A/3B, Human Biological Science 3A/3B, Integrated Science 3A/3B or Physics 3A/3B; or TEE Biology, TEE Chemistry, TEE Human Biology, TEE Physical Science or TEE Physics satisfies this requirement.

COURSE	PREREQUISITES	DESIRABLE
FACULTY OF BUSINESS AND LAW		
Business – *All Major Fields*	No specific courses required	At least Mathematics 2C/2D
Business/Psychology (double degree)	No specific courses required	At least Mathematics 2C/2D
Criminology & Justice – *Associate Degree*	No specific courses required	
Criminology & Justice	No specific courses required	
Criminology and Juvenile Justice	No specific courses required	
Event, Sport and Recreation Management - *Associate Degree*	No specific courses required	
Event, Sport and Recreation Management	No specific courses required	At least Mathematics 2C/2D
Forensic Investigation	No specific courses required	Chemistry 3A/3B
Hospitality Management	No specific courses required	At least Mathematics 2C/2D
Hospitality and Tourism Management – *Associate Degree*	No specific courses required	
Hospitality and Tourism Management	No specific courses required	At least Mathematics 2C/2D
Laws	No specific courses required	
Laws/Arts (double degree)	No specific courses required	
Laws/Business (double degree)	No specific courses required	At least Mathematics 2C/2D
Laws/Criminology and Justice (double degree)	No specific courses required	
Laws/Psychological Science (double degree)	No specific courses required	
Marketing, Advertising and Public Relations	No specific courses required	At least Mathematics 2C/2D
Marketing and Creative Services	No specific courses required	At least Mathematics 2C/2D
Planning - *Diploma*	No specific courses required	Geography 3A/3B
Planning	No specific courses required	Geography 3A/3B
Sport Management	No specific courses required	At least Mathematics 2C/2D
Tourism Management	No specific courses required	At least Mathematics 2C/2D
Urban and Regional Planning	No specific courses required	Geography 3A/3B
FACULTY OF EDUCATION AND ARTS		
Arts	No specific courses required except Year 12 language skills for entry to the advanced language stream	
Arts/Business (double degree)	No specific courses required except Year 12 language skills for entry to the advanced language stream	
Arts/Communications (double degree)	No specific courses required except Year 12 language skills for entry to the advanced language stream	
Arts Management	An interview will be required	

COURSE	PREREQUISITES	DESIRABLE
Arts/Science (double degree)	Arts: No specific courses required except Year 12 language skills for entry to the advanced language stream; Science: Prerequisites apply only to the Biological Sciences major – one science course[1]	
Communications	No specific courses required	
Contemporary Fashion and Textiles	Students will be required to attend an interview and present their folio of works	
Creative Industries *Animation* *Environmental and Spatial Design* *Film and Video* *Game Design and Culture* *Graphic Design* *Interactive Media* *Photomedia*	No specific courses required except students will be required to attend an interview and present their folio of works for *Environmental and Spatial Design* and *Graphic Design*	
Education (Early Childhood Education)	No specific courses required	
Education (Primary)	No specific courses required	
Education (Secondary) - Biological Science Education	One science course[1]	
Education (Secondary) - Design and Technology Education	No specific courses required	
Education (Secondary) - Drama Education	Applicants are required to attend an interview and/or audition as part of the selection process	
Education (Secondary) - English Education	No specific courses required	
Education (Secondary) - Health and Physical Education	No specific courses required	
Education (Secondary) - Home Economics Education	No specific courses required	
Education (Secondary) - Mathematics Education	Mathematics 3C/3D or Mathematics: Specialist 3A/3B	
Education (Secondary) - Music Education	Applicants are required to attend an interview or audition as part of the selection process	
Education (Secondary) - Physical Science Education	Mathematics 3C/3D or Mathematics: Specialist 3A/3B, Chemistry 3A/3B or Physics 3A/3B	
Education (Secondary) - Social Science Education	No specific courses required	
Education (Secondary) - Visual Arts	No specific courses required	
Environmental and Spatial Design	Students will be required to attend an interview and present their folio of works	
Graphic Design	Students will be required to attend an interview and present their folio of works	
Language Studies - *Diploma*	Admission to a language major at post-Year 12 level requires satisfactory performance in the relevant WACE language course or equivalent language competence	
Music - Classical Performance	Applicants are required to attend an interview and/or audition as part of the selection process	
Music – Composition and Music Technology	Applicants are required to attend an interview and/or audition as part of the selection process	
Music - Jazz Performance	Applicants are required to attend an interview and/or audition as part of the selection process	

COURSE	PREREQUISITES	DESIRABLE
Music - Music Studies	Applicants are required to attend an interview and/or audition as part of the selection process	
University Preparation Course	No specific courses required	
Visual Arts	Students will be required to attend an interview and present their folio of works	
FACULTY OF COMPUTING, HEALTH AND SCIENCE		
Applied and Analytical Chemistry	Applicants must have a completed Diploma, Advanced Diploma or equivalent in a relevant discipline from a registered training organisation. Applicants who have passed either WACE Chemistry 3A/3B, WACE Integrated Science 3A/3B, or equivalent may, with approval from the Course Coordinator, enrol into this course while concurrently undertaking the Diploma or Advanced Diploma.	
Aviation *(BAviation)*	Mathematics 3A/3B or 3C/3D or Mathematics: Specialist 3A/3B or 3C/3D, or equivalent. Students without satisfactory performance in Physics 3A/3B or equivalent, may be required to undertake an additional bridging unit in Physics.	Physics 3A/3B
Aviation *(BSc(Aviation))*	No specific courses required. Students without satisfactory performance in Mathematics 3A/3B or equivalent; or Physics 3A/3B, or equivalent, will be required to complete bridging units.	
Biological Sciences	No specific courses required	Biological Sciences 3A/3B and Chemistry 3A/3B
Biomedical Science	No specific courses required	
Computer & Network Security	No specific courses required	
Computer Science *Computer Science major* *Computer Security major* *Games Programming major* *Software Engineering major*	No specific courses required	
Computer Science – Games Programming	Mathematics 3A/3B or 3C/3D or Mathematics: Specialist 3A/3B or 3C/3D	
Conservation and Wildlife Biology	No specific courses required	
Counter Terrorism Security and Intelligence *Computer Security major* *Criminology major* *Security Management major*	No specific courses required	
Electronic and Computer Systems (*BTech*)	No specific courses required. Students without satisfactory performance in Mathematics 3A/3B or equivalent will be required to complete bridging units	
Engineering – *all Majors* *Civil* *Computer Systems* *Electrical Power* *Electronics and Communications* *Instrumentation Control and Automation* *Mechanical* *Mechatronics*	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Engineering/Business (double degree)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Engineering (Computer Systems)/ Computer Science (double degree)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B

COURSE	PREREQUISITES	DESIRABLE
Engineering/Laws (double degree)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Engineering (Marine and Offshore Systems)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Engineering (Mechatronics/Motorsports) (double degree)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Engineering (Naval Architecture)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Engineering (Ocean Engineering)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Engineering Science	Mathematics 3C/3D or Mathematics: Specialist 3C/3D and Physics 3A/3B	
Engineering/Science (double degree)	Mathematics 3C/3D or Mathematics: Specialist 3C/3D	Physics 3A/3B
Environmental Management	No specific courses required	
Environmental Science	No specific courses required	
Exercise and Sports Science	No specific courses required	
Health Science	No specific courses required	
Human Biology	No specific courses required	
Information Technology *Computer Science major* *Computer Security major* *Software Engineering major*	No specific courses required	
Marine and Freshwater Biology	No specific courses required	
Motorsports	No specific courses required	Mathematics 3A/3B, Physics 3A/3B
Nursing (Registered Nursing)	No specific courses required	
Nursing/Midwifery (double degree)	No specific courses required	
Occupational Therapy	No specific courses required	
Paramedical Science	High school graduates are recommended to undertake a nursing degree or equivalent prior to enrolling in this degree, as applicants must be able to satisfy the employment requirements of St John Ambulance, which includes three years' life experience. Further information on these employment requirements is available from www.stjohnambulance.com.au.	
Psychology – *Bachelor of Arts*	No specific courses required	
Psychology – *Bachelor of Science*	A science course[1] or Computer Science 3A/3B, TEE Information Systems or equivalent	
Psychological Science – *Bachelor of Psychological Science*	No specific courses required	
Psychology and Addiction Studies	No specific courses required	
Psychology and Counselling	No specific courses required	
Psychology, Criminology and Justice	No specific courses required	
Science (generic degree)	Prerequisites apply only to the Biological Sciences and Mathematics majors. For all other majors standard admission requirements apply. For Biological Sciences: one science course[1]. For Mathematics: Mathematics 3C/3D or Mathematics: Specialist 3C/3D.	

COURSE	PREREQUISITES	DESIRABLE
Science/Business (double degree)	Prerequisites apply only to the Biological Sciences and Mathematics majors. For all other majors standard admission requirements apply. Biological Sciences major: one science course[1]. Mathematics major: Mathematics 3C/3D or Mathematics: Specialist 3C/3D	
Security	No specific courses required	
Security and Justice Studies	No specific courses required	
Social Science	No specific courses required	
Speech Pathology – *Bachelor of Speech Pathology*	No specific courses required	
Sports Science and Football	No specific courses required	
Technology (Aeronautical) *(BTech(Aenaut))*	Mathematics 3C/3D, or Mathematics Specialist 3C/3D	WACE Physics 3A/3B
Web Technology	No specific courses required	
FACULTY OF REGIONAL PROFESSIONAL STUDIES SOUTHWEST CAMPUS (BUNBURY)		
Arts	No specific courses required	
Business *Accounting* *Management*	No specific courses required	At least Mathematics 2C/2D
Education – Primary	No specific courses required	
Education – Primary to Middle Years	No specific courses required	
Nursing (Registered Nursing)	No specific courses required	
Science *Coastal Environmental Science* *Surf Science*	No specific courses required	
Social Work	No specific courses required	

MURDOCH UNIVERSITY

While many universities have prerequisite Year 12 courses for most of their courses, Murdoch University has a flexible degree structure that allows us to avoid this particular entrance requirement. Murdoch understands that students do not always make up their minds about the career they would like until much later than Year 10 and so Murdoch has 'make-up' units available in Chemistry, Mathematics and Physics for students who have not studied, or who have not performed well in, these subjects at Year 12 level. We do list some recommended courses because a strong mathematical background is an advantage in any science-based university course. However, they are purely a recommendation and do not affect entry. Please note that for entry to all Murdoch's courses you must fulfil the University's requirements on English competence.

COURSE	**RECOMMENDED**
ARTS AND SOCIAL SCIENCES COURSES	
Applied Events Management	No specific courses
Asian Studies	No specific courses
Asian Studies (Specialist) *Language Specialist*	No specific courses
Australian Indigeneous Studies	No specific courses
Community Development	No specific courses
English and Creative Writing	No specific courses
General Arts	No specific courses
History	No specific courses
International Aid and Development	No specific courses
Philosophy	No specific courses
Politics and International Studies	No specific courses
Public Policy and Management	No specific courses
Security, Terrorism and Counterterrorism Studies	No specific courses
Sociology	No specific courses
Sustainability *(BSust)*	No specific courses
Sustainable Development *(BA)*	No specific courses
Theatre and Drama	No specific courses
Theology *(BTheol* or *BA)*	No specific courses
Tourism	No specific courses
Tourism and Events Management	No specific courses
BUSINESS COURSES	
Accounting	Mathematics 2C/2D
Applied Accounting	Mathematics 2C/2D
Banking	Mathematics 2C/2D
Business Law	No specific courses
Chinese Business	No specific courses
Economics	Mathematics 2C/2D
Entrepreneurship and Innovation	No specific courses
Finance	Mathematics 2C/2D
Hospitality and Tourism Management	No specific courses
Human Resource Management	No specific courses
International Business	No specific courses

COURSE	RECOMMENDED
Management	No specific courses
Marketing	No specific courses
Marketing and the Media	No specific courses
Sustainability	No specific courses
EDUCATION COURSES	
Education (Early Childhood and Primary)	Mathematics 2C/2D
Education (Primary)	Mathematics 2C/2D
Education (Primary)/Australian Indigenous Studies (joint degree)	Mathematics 2C/2D
Education (Primary, 1 - 10 Health and Physical Education)	Physical Education Studies 2A/2B, Human Biological Science 2A/2B, Dance 2A/2B and Mathematics 2A/2B
Education (Secondary)/Arts (joint degree)	Check if non-Education degree has recommended courses
Education (Secondary)/Other Degree (joint degree)	Check if 'other' degree has recommended courses
Education (Secondary)/Science (joint degree)	Check if non-Education degree has recommended courses
Education (Secondary)/Sports Science (joint degree)	Mathematics 2C/2D, Human Biological Science 2A/2B and Physical Education Studies 2A/2B
Education (Secondary)/Theatre and Drama (joint degree)	Drama 2A/2B
ENGINEERING COURSES	
Bioprocess Engineering *(BE)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D Physics 3A/3B and Chemistry 3A/3B
Electrical Power Engineering *(BE)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B
Engineering/Commerce (joint degree)	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B
Engineering/Science (joint degree)	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B
Engineering Technology *(BTech)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B
Environmental Engineering *(BE)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Chemistry 3A/3B and Physics 3A/3B
Industrial Computer Systems Engineering *(BE)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B
Instrumentation and Control Engineering *(BE)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B
Medical Engineering *(BE)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B
Renewable Energy Engineering *(BE)*	Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B.
HEALTH COURSES	
Animal Science	Mathematics 3A/3B and Chemistry 3A/3B or Biological Sciences 3A/3B
Biomedical Science	Mathematics 3A/3B, Chemistry 3A/3B, Physics 3A/3B and/or Biological Sciences 3A/3B
Chiropractic Science *(BSc/BChiro)*	Mathematics 3A/3B, Chemistry 3A/3B, Physics 3A/3B and/or Human Biological Science 3A/3B
Exercise Physiology	Mathematics 2A/2B, Chemistry 3A/3B, and Biological Science 3A/3B
Nursing	Mathematics 2A/2B, Chemistry 3A/3B and/or Human Biological Science 3A/3B
Psychology *(BPsych)*	Mathematics 2C/2D
Psychology Honours *(BPsych(Hons))*	Mathematics 2C/2D
Social Work *(BSocWk)*	No specific courses
Sports Science	Physics 3A/3B and Human Biological Science 3A/3B.
Veterinary Science *(BSc/BVMS)* (joint degree)	Mathematics 3C/3D, Chemistry 3A/3B, Physics 3A/3B and/or Biological Sciences 3A/3B.
INFORMATION TECHNOLOGY COURSES	
Applied Information Systems	No specific courses
Business Information Systems	Mathematics 2C/2D

COURSE	RECOMMENDED
Computer Science	Mathematics 2C/2D
Cyber Forensics, Information Security and Management	Mathematics 2C/2D
Games Software Design and Production	Mathematics 2C/2D
Games Technology	Mathematics 2C/2D
Information Technology Management	Mathematics 2C/2D
Internet Software Development	Mathematics 2C/2D
Internetworking and Security	Mathematics 2C/2D
LAW COURSES	
Criminology	No specific courses
Joint Degrees with Law	No specific courses are recommended for the Law component, however students should consider the requirements of their other degree of choice.
Juris Doctor	You will need to hold a recognised university (or equivalent tertiary) degree to be eligible to apply for a place in the Juris Doctor course.
Law	No specific courses
Legal Studies	No specific courses
MEDIA COURSES	
Communication and Media Studies	No specific courses. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Games Art and Design	Visual Arts 3A/3B. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Interactive Digital Design	Visual Arts 3A/3B. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Journalism	No specific courses. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Public Relations	No specific courses. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Radio	No specific courses. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Screen Production	No specific courses. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Sound	No specific courses. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.
Web Communication	No specific courses. Applicants who are seeking admission using a portfolio to any of the relevant Media courses will need to apply through TISC as well as submitting their digital portfolio directly to Murdoch University. For further information on Media Portfolio admission, visit www.murdoch.edu.au/Future-students/.

COURSE	RECOMMENDED
SCIENCE COURSES	
Biological Sciences	Mathematics 2C/2D, and Chemistry 3A/3B.
Biotechnology	Mathematics 2C/2D, and Chemistry 3A/3B.
Biotechnology/Entrepreneurship and Innovation or Biotechnology/Management or Biotechnology/Marketing Management (joint degree)	Mathematics 2C/2D, and Chemistry 3A/3B.
Chemistry	Mathematics 3A/3B, Chemistry 3A/3B, and Physics 3A/3B.
Climate Change Management	No specific courses
Conservation and Wildlife Biology	Mathematics 2C/2D, and Chemistry 3A/3B
Environmental Management	No specific courses
Environmental Science *(BSc* or *BEnvSc)*	Mathematics 2C/2D and Chemistry 3A/3B
Extractive Metallurgy	Mathematics 3A/3B, Chemistry 3A/3B and Physics 3A/3B
Forensic Biology and Toxicology	Mathematics 2C/2D, and Chemistry 3A/3B
Forensic Biology & Toxicology/Molecular Biology or Molecular Biology/Biomedical Science (joint degree)	Mathematics 2C/2D, and Chemistry 3A/3B
Marine Science *(BSc or BMarSc)*	Mathematics 2C/2D and Chemistry 3A/3B
Mathematics and Statistics	Mathematics: Specialist 3C/3D
Mineral Science	Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Chemistry 3A/3B and Physics 3A/3B
Molecular Biology	Mathematics 2C/2D and Chemistry 3A/3B
Physics and Nanotechnology	Mathematics: Specialist 3C/3D and Physics 3A/3B
Sustainability Science *(BSc)*	At least Mathematics 2C/2D and Chemistry 3A/3B
Sustainable Energy Management	Mathematics 3C/3D, Chemistry 3A/3B and Physics 3A/3B

THE UNIVERSITY OF WESTERN AUSTRALIA

The following list outlines the prerequisite and recommended WACE courses for entry to UWA courses in 2013. Additional entry requirements are also outlined. To satisfy the prerequisite requirements, a scaled score of 50 or more is required. Recommended courses provide valuable background but do not affect selection. Further details are available at www.studyat.uwa.edu.au.

Undergraduate degrees

Bachelor of Arts

Major	Prerequisites	Recommended Courses
Anthropology and Sociology	None	
Archaeology	None	
Asian Studies	None	
Chinese	None	
Classics and Ancient History	None	
Communication and Media Studies	None	
English and Cultural Studies	None	
French Studies	None	
German Studies	None	
History	None	
History of Art	None	
Human Geography and Planning	None	
Indigenous Knowledge, History and Heritage	None	
Indonesian	None	
Italian Studies	None	
Japanese	None	
Law and Society	None	
Linguistics	None	
Medieval and Early Modern Studies	None	
Music Studies	Music 3A/3B or equivalent proficiency in performance and theory [1]	
Philosophy	None	
Political Science and International Relations	None	
Psychology - Social and Applied Psychology	None	
Specialist Music Studies	Music 3A/3B or equivalent proficiency in performance and theory [1]	
Work and Employment Relations	None	

Bachelor of Commerce

Major	Prerequisites	Recommended Courses
Accounting	At least Mathematics 2C/2D [2, 3]	Mathematics 3A/3B is strongly recommended.
Business Law	At least Mathematics 2C/2D [2, 3]	Mathematics 3A/3B is strongly recommended.
Economics	At least Mathematics 2C/2D [2, 3]	Mathematics 3A/3B is strongly recommended.
Economics (Double Major)	At least Mathematics 2C/2D [2]	Mathematics 3A/3B is strongly recommended.
Finance	At least Mathematics 2C/2D [2, 3]	Mathematics 3A/3B is strongly recommended.
Human Resource Management	At least Mathematics 2C/2D [2, 3]	Mathematics 3A/3B is strongly recommended.
Management	At least Mathematics 2C/2D [2, 3]	Mathematics 3A/3B is strongly recommended.

Bachelor of Commerce

Major	Prerequisites	Recommended Courses
Marketing	At least Mathematics 2C/2D [2, 3]	Mathematics 3A/3B is strongly recommended.

Bachelor of Design

Major	Prerequisites	Recommended Courses
Architecture	None	
Integrated Design	None	
Landscape Architecture	None	

Bachelor of Science

Major	Prerequisites	Recommended Courses
Aboriginal Health and Wellbeing	At least Mathematics 2C/2D [2, 4]	Mathematics 3A/3B
Agricultural Science	At least Mathematics 2C/2D [2]	Mathematics 3A/3B
Anatomy and Human Biology	At least Mathematics 2C/2D [5]	Mathematics 3C/3D is strongly recommended; Chemistry 3A/3B
Applied Computing	At least Mathematics 2C/2D [2]	Mathematics 3A/3B is strongly recommended
Biochemistry and Molecular Biology	At least Mathematics 2C/2D [5, 6]	Mathematics 3C/3D and Chemistry 3A/3B are strongly recommended
Biomedical Science	At least Mathematics 2C/2D [5]	Mathematics 3C/3D and Mathematics: Specialist 3A/3B are strongly recommended; Chemistry 3A/3B
Botany	At least Mathematics 2C/2D [2]	Mathematics 3A/3B
Chemistry	Mathematics 3C/3D [7]; Chemistry 3A/3B	Mathematics: Specialist 3C/3D; Physics 3A/3B
Computer Science	At least Mathematics 3A/3B [5]	Mathematics 3C/3D is strongly recommended.
Conservation Biology	At least Mathematics 2C/2D [2]	Mathematics 3A/3B
Engineering Science	Mathematics 3C/3D; Mathematics: Specialist 3C/3D; Chemistry 3A/3B; Physics 3A/3B OR Mathematics 3C/3D with up to four units taken in the first year depending on the number of missing prerequisite subjects [8]	
Environmental Science	At least Mathematics 2C/2D [2]	Mathematics 3A/3B
Exercise and Health	At least Mathematics 2C/2D [5]	Mathematics 3C/3D is strongly recommended
Genetics	At least Mathematics 2C/2D [5]	Mathematics 3C/3D is strongly recommended; Chemistry 3A/3B
Geography	At least Mathematics 2C/2D [2]	Mathematics 3A/3B
Geology	At least Mathematics 2C/2D [2]	Mathematics 3A/3B
Marine Science	At least Mathematics 2C/2D [2]	Mathematics 3A/3B
Mathematics and Statistics	Mathematics 3C/3D; Mathematics: Specialist 3C/3D	
Microbiology and Immunology	At least Mathematics 2C/2D [5, 6]	Mathematics 3C/3D is strongly recommended; Chemistry 3A/3B
Natural Resource Management	At least Mathematics 2C/2D [2]	Mathematics 3A/3B; Chemistry 3A/3B
Psychology - Neuropsychology and Cognitive Science	At least Mathematics 2C/2D [4, 5]	Mathematics 3C/3D is strongly recommended
Neuroscience	At least Mathematics 2C/2D [5]	Mathematics 3C/3D and Chemistry 3A/3B are strongly recommended; Physics 3A/3B

Pathology and Laboratory Medicine	At least Mathematics 2C/2D [5]	Mathematics 3A/3B or Mathematics 3C/3D are strongly recommended; Chemistry 3A/3B
Pharmacology	At least Mathematics 2C/2D [5]	Mathematics 3A/3B or Mathematics 3C/3D are strongly recommended; Chemistry 3A/3B

Bachelor of Science

Major	Prerequisites	Recommended Courses
Physics	Mathematics: Specialist 3C/3D; Physics 3A/3B OR Mathematics 3C/3D; Physics 3A/3B with two additional mathematics units taken in first year.[9]	
Physiology	At least Mathematics 2C/2D [5]	Mathematics 3C/3D is strongly recommended
Population Health	At least Mathematics 2C/2D [2]	Mathematics 3A/3B or 3C/3D are strongly recommended
Quantitative Methods	At least Mathematics 2C/2D [5]	Mathematics 3C/3D is strongly recommended
Science Communication	At least Mathematics 2C/2D [5, 10]	Mathematics 3C/3D is strongly recommended
Sport Science	At least Mathematics 2C/2D [5]	Mathematics 3C/3D is strongly recommended
Zoology	At least Mathematics 2C/2D [2]	Mathematics 3A/3B

Bachelor of Philosophy (Honours)

Major	Prerequisites	Recommended Courses
Any of the majors listed above may be studied within the BPhil(Hons)	ATAR (or equivalent) of at least 98.00, plus the prerequisites for the intended major. (Additional selection criteria may apply.)	

Professional postgraduate pathways

Area of study	Entry requirements
Architecture	Completion of the Bachelor of Design (or equivalent), majoring in Architecture and Integrated Design, at a satisfactory level.
Audiology	Completion of an undergraduate degree at a satisfactory level.
Dentistry	Completion of an undergraduate degree with a Grade Point Average of at least 5.5. [11, 12, 13]
Engineering	Completion of an undergraduate degree, majoring in Engineering Science (or equivalent) at a satisfactory level.
Landscape Architecture	Completion of the Bachelor of Design (or equivalent), majoring in Landscape Architecture, at a satisfactory level.
Law	Completion of an undergraduate degree with a Grade Point Average of at least 5.5. [11, 12, 14]
Medicine	Completion of an undergraduate degree with a Grade Point Average of at least 5.5. [11, 12, 13]
Music	Completion of an undergraduate degree majoring in Music Studies and Specialist Music Studies, at a satisfactory level.
Nursing	Completion of an undergraduate degree, including studies in Human Biology, at a satisfactory level.
Pharmacy	Completion of an undergraduate degree, majoring in Biomedical Science (or equivalent), at a satisfactory level.
Podiatric Medicine	Completion of an undergraduate degree with a Grade Point Average of at least 5.5. [12, 13]

Psychology	Completion of an honours degree in Psychology at a satisfactory level.
Social Work	Completion of a relevant undergraduate degree.
Teaching (Early Childhood)	Completion of an undergraduate degree at a satisfactory level.
Teaching (Primary)	Completion of an undergraduate degree at a satisfactory level.
Teaching (Secondary)	Completion of an undergraduate degree, including a major relevant for secondary teaching, at a satisfactory level. [15]

NOTES:

1 You must also satisfy the requirements of an audition to be eligible for a Music course. This will require demonstration of a musical background equivalent to Music 3A/3B.

2 If you have a pass in Mathematics 2C/2D only, you will need to do additional mathematics study during your first year.

3 Prerequisites may not apply to students completing this major in a degree other than the Bachelor of Commerce or Bachelor of Philosophy (Honours); however students without Mathematics may have a restricted choice of units in the Finance and Economics majors.

4 Prerequisites may not apply to students completing this major in a degree other than the Bachelor of Science or Bachelor of Philosophy (Honours).

5 If you do not have a pass in Mathematics 3C/3D, you will need to do additional mathematics study during your first year.

6 If you do not have a pass in Chemistry 3A/3B, you will need to do an introductory Chemistry unit during your first year.

7 If you do not have a pass in Mathematics Specialist 3C/3D, you will need to do an additional mathematics unit during your first year.

8 Depending on the number of units required, students may elect to undertake them as part of an enabling course (additional to their degree), or as electives within their degree course.

9 Subject to final UWA approval.

10 This major must be taken together with another Science major. Please check the prerequisites for other majors as well.

11 A number of Assured Entry Places are available, providing a reserved place in the postgraduate course on the basis of Year 12 results. Check www.studyat.uwa.edu.au/assured-entry for details.

12 A Grade Point Average of 5.5 is equivalent to an overall subject average of approximately 65%.

13 A competitive selection process and additional selection criteria will apply. Undergraduate studies may be undertaken in any area. Some study of chemistry, physics and biology at first-year university level is recommended.

14 A competitive selection process will apply. Additional selection criteria may apply.

15 An honours degree in Psychology at a satisfactory level is required for School Psychology majors.

ADDRESSES

CURTIN UNIVERSITY

BENTLEY CAMPUS
Kent Street
BENTLEY WA 6102
Telephone: (08) 9266 7805
Fax: (08) 9266 4108
Web: www.curtin.edu.au
Email: admissions@curtin.edu.au

KALGOORLIE CAMPUS
For mining courses:
Western Australian School of Mines (WASM)
Egan Street
KALGOORLIE WA 6430
Telephone: 1800 688 377
Fax: (08) 9088 6100
Web: www.wasm.curtin.edu.au

COUNTRY CENTRES
Limited assistance will be available at country centres listed below, please contact 1800 469 164.
Albany
Armadale
Esperance
Geraldton
Kalgoorlie
Karratha
Margaret River
Midland
Port Hedland

EDITH COWAN UNIVERSITY

(including Joondalup, Mt Lawley, South West Campus (Bunbury) and Margaret River Education Centre)
ADMISSIONS CENTRE
270 Joondalup Drive
JOONDALUP WA 6027
Telephone: 134 328
Overseas: (61 8) 6304 0000
Email: futurestudy@ecu.edu.au
Web: www.reachyourpotential.com.au

MURDOCH UNIVERSITY

(Including Rockingham and Peel Campus enquiries)
THE STUDENT CENTRE
South Street
MURDOCH WA 6150
Telephone: 1300 MURDOCH (1300 687 3624)
Fax: (08) 9360 6491
Web: www.murdoch.edu.au
Online enquiries: ask.murdoch.edu.au

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35 Stirling Highway
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35 Stirling Terrace
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Web: www.albany.uwa.edu.au

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100 Royal Street
EAST PERTH WA 6004
Telephone: (08) 9318 8000
Fax: (08) 9225 7050
Web: www.tisc.edu.au