

UNIVERSITY ADMISSION 2019

Admission Requirements
for School Leavers



This information is correct as at 28 December 2018.
Ensure that you access the TISC website (www.tisc.edu.au) regularly
to check for any updates.

TISC

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2019 Admission Requirements for School Leavers,
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ABBREVIATIONS

The following abbreviations have been used in this brochure:

AQF	Australian Qualifications Framework	RTO	Registered Training Organisation
ATAR	Australian Tertiary Admission Rank	TEA	Tertiary Entrance Aggregate
EAL/D	English as an Additional Language/Dialect	TISC	Tertiary Institutions Service Centre
ECU	Edith Cowan University	UWA	The University of Western Australia
IELTS	International English Language Testing System	WACE	Western Australian Certificate of Education
LOTE	Language Other Than English		

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.

This information is correct as at 28 December 2018 and is based on information provided by the participating universities and information relating to changes in senior secondary schooling in Western Australia, available from the School Curriculum and Standards Authority (SCSA) at the time of publication.

References to ATAR courses apply to courses offered in Year 12 from 2016. References to WACE courses apply to stage 2 or stage 3 of courses offered in Year 12 prior to 2016.

This brochure applies to students who will be under 20 years of age on 28 February 2019 (ie those born on or after 1 March 1999). It is relevant only for admission in 2019 and is subject to change without notice.

WAYNE BETTS

TISC Executive Officer

PARTICIPATING UNIVERSITIES

Curtin University	Murdoch University
Edith Cowan 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 2018. Application will be via TISC's website.

The closing date for applications without incurring a late fee is normally the last working day in September. Offers of admission are generally made by the universities in mid-January, and again 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 appropriate international admissions area at the relevant university.

REQUIREMENTS FOR UNIVERSITY ADMISSION

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

1. meet the requirements for the **Western Australian Certificate of Education (WACE)** prescribed by the School Curriculum and Standards Authority, and
2. achieve **competence in English** as prescribed by the individual universities, and
3. obtain a sufficiently high **ATAR/Selection Rank** for entry to a particular course, and
4. satisfy any prerequisites or special requirements for entry to particular courses.

PORTFOLIO ENTRY INTO SELECTED COURSES AT CURTIN UNIVERSITY

Alternative entry is available in selected courses for those who can demonstrate equivalence to Curtin's ATAR entry through the submission of a portfolio. You can visit <http://futurestudents.curtin.edu.au/school-leavers/how-to-get-in/flexible-entry-pathways/portfolio.cfm> for further information in regard to the portfolio requirements and application process. Please be advised that an interview might be required as part of the application process.

EXPERIENCE BASED ENTRY SCHEME PATHWAY TO EDITH COWAN UNIVERSITY (ECU)

ECU offers an additional pathway for entry by school leaver students. To be considered for admission by the Experience Based Entry Scheme, 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 courses in Year 12, three of which need to be ATAR level. Applications will be partially assessed prior to release of final results.

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

PORTFOLIO ENTRY TO MURDOCH UNIVERSITY

In addition to the requirements outlined above, Murdoch University offers a portfolio pathway for admission to the Bachelor of Arts degrees in English and Creative Writing, and Theatre and Drama; Bachelor of Communication degrees in Journalism, and Strategic Communication; Bachelor of Creative Media degrees in Games Art and Design, Graphic Design, Photography, Screen Production, and Sound. Students must satisfy Murdoch's English requirement, as outlined below, and should apply through TISC but submit their portfolios directly to Domestic Admissions at Murdoch University. Portfolios will be assessed by academic staff in the relevant discipline. For more information see <https://portfolio.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. The WACE, awarded by the School Curriculum and Standards Authority, is not required by any of the universities for students from non-standard schools.

SCHOOL LEAVERS WITH AQF/TAFE/RTO QUALIFICATIONS

Curtin University

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

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

Edith Cowan University

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

- successfully completed an ECU approved AQF/RTO Certificate IV as part of their Year 12 studies; and
- achieved WACE; and
- met ECU's competence in English requirement; and
- met course prerequisite requirements.

Students may apply direct to ECU.

Murdoch University

School leavers will be eligible for admission into most Murdoch degree courses, with successful completion of a Certificate IV. They 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 the Bachelor of Arts, Commerce, Design and Science courses. Separate evidence of English competence is also required. 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.

1. WESTERN AUSTRALIAN CERTIFICATE OF EDUCATION (WACE)

You must satisfy the requirements of the WACE to enter all four universities, unless you are an applicant from a non-standard WA school. You can obtain detailed information about the WACE from the School Curriculum and Standards Authority, Mason Bird Building, Level 2, 303 Sevenoaks Street, Cannington 6107, phone (08) 9273 6300, www.scsa.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 courses: English ATAR, Literature ATAR or English as an Additional Language/Dialect (EAL/D) ATAR.

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

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

ENGLISH ATAR; LITERATURE ATAR; ENGLISH AS AN ADDITIONAL LANGUAGE/DIALECT ATAR

Curtin University

Murdoch University

The University of Western Australia

You must achieve a scaled score of at least 50.

Edith Cowan University

You must achieve

- a scaled score of at least 50 **or**
- a letter grade of A, B or C in units 3 and 4 studied in Year 12.

CONCESSIONS

Curtin University

The University of Western Australia

- (a) If you have not met the requirement for one of these universities, that university will concede competence in English to you if you have
- achieved a moderated numeric school assessment or numeric examination assessment of at least 60 in English ATAR or Literature ATAR. For English as an Additional Language/Dialect ATAR, a moderated written school assessment or written exam mark of at least 60 is required.
- (b) If you have not met requirement (a) above for Curtin University or The University of Western Australia, but you have:
- achieved an ATAR/Selection Rank above the minimum specified annually by the university, **and**
 - achieved a scaled score less than 50 in English ATAR, Literature ATAR or English as an Additional Language/Dialect ATAR,
- then you may demonstrate your competence in English by sitting the Special Tertiary Admissions Test (STAT), or another test of English approved by the university(ies) early in January.

Murdoch University

- (a) If you have not met the requirement for this university, Murdoch University will concede competence in English to you if you have
- achieved a moderated numeric school assessment or numeric examination assessment of at least 55 in English ATAR or Literature ATAR. For English as an Additional Language or Dialect ATAR, a moderated written school assessment or written exam mark of at least 55 is required.
- (b) If you have not met requirement (a) above for Murdoch University, but you have:
- achieved an ATAR above the minimum specified annually by the university, **and**
 - achieved a scaled score less than 50 in English ATAR, Literature ATAR or English as an Additional Language/Dialect ATAR,
- then you may demonstrate your competence in English by sitting the Special Tertiary Admissions Test (STAT), or another test of English approved by the university early in January.

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 ATAR courses.

SCALING

All course results will be scaled to ensure fairness to all students. A scaled score for an ATAR course can only be calculated if a student sits the ATAR course examination for that course. The Average Marks Scaling process is used to scale marks obtained in a course.

CALCULATION OF THE TEA

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

The TEA will be calculated by adding a student's best four scaled scores plus any applicable course-specific bonuses, as detailed below, based on the following rules:

- Courses which can be used in the ATAR are listed below.
- For all universities you may accumulate scaled scores which contribute to your ATAR over **five** consecutive years, with no subject or course counting more than once. You may use previous scaled scores back to 2014.
- No more than two mathematics scaled scores can be used in the calculation of an ATAR.
- There are unacceptable course combinations whereby scores in both courses cannot both be used (see explanation under *Unacceptable Course Combinations* below).
- A LOTE bonus of 10% of a LOTE scaled score is added to the aggregate of the best four scaled scores, subject to no LOTE scaled score earlier than 2014 being used. If more than one LOTE has been sat, only one (the best) LOTE scaled score can be used as the LOTE bonus. You receive the LOTE bonus irrespective of whether your LOTE course scaled score was counted as one of the best four.
- A Mathematics bonus of 10% of the scaled score for each of Mathematics Methods ATAR and Mathematics Specialist ATAR is added to the aggregate of the best four scaled scores. You receive the Mathematics bonus irrespective of whether your Mathematics Methods ATAR and/or Mathematics Specialist ATAR course scaled scores are counted in the best four.
- The Mathematics bonus does not apply to scaled scores from WACE Mathematics 2A/2B, 2C/2D, 3A/3B, 3C/3D or WACE Mathematics Specialist 3A/3B or 3C/3D.
- 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 non-school basis (see explanation under *Courses Studied on a Non-school Basis* below).
- Scaled scores from previous study of WACE courses are on the same scale as scaled scores obtained from study in 2018 and will be used directly in the calculation of an ATAR, if applicable.
- The maximum TEA is 430.

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.

PRIOR YEAR ATAR

If you have an ATAR from a previous year, you will be given the benefit of the higher of your previous 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: There are two groups of courses: ATAR and General courses. Only ATAR courses can be included in the ATAR, and students must have sat the external ATAR course examination to obtain a scaled score.

ATAR Courses

Aboriginal and Intercultural Studies ATAR	Indonesian: Background Language ATAR*
Accounting and Finance ATAR	Indonesian: First Language ATAR*
Ancient History ATAR	Indonesian: Second Language ATAR*
Animal Production Systems ATAR	Integrated Science ATAR
Applied Information Technology ATAR	Italian: Background Language ATAR*
Arabic ATAR*	Italian: Second Language ATAR*
Aviation ATAR	Japanese: Background Language ATAR*
Biology ATAR	Japanese: First Language ATAR*
Business Management and Enterprise ATAR	Japanese: Second Language ATAR*
Career and Enterprise ATAR	Korean: Background Language ATAR*
Chemistry ATAR	Literature ATAR
Children, Family and the Community ATAR	Malay: Background Speakers ATAR*
Chinese: Background Language ATAR*	Marine and Maritime Studies ATAR
Chinese: First Language ATAR*	Materials Design and Technology ATAR
Chinese: Second Language ATAR*	Mathematics Applications ATAR
Computer Science ATAR	Mathematics Methods ATAR
Dance ATAR	Mathematics Specialist ATAR
Design ATAR	Media Production and Analysis ATAR
Drama ATAR	Modern Greek ATAR*
Earth and Environmental Science ATAR	Modern History ATAR
Economics ATAR	Music ATAR
Engineering Studies ATAR	Outdoor Education ATAR
English ATAR	Philosophy and Ethics ATAR
English as an Additional Language/Dialect (EAL/D) ATAR	Physical Education Studies ATAR
Food Science and Technology ATAR	Physics ATAR
French: Background Language ATAR*	Plant Production Systems ATAR
French: Second Language ATAR*	Polish ATAR*
Geography ATAR	Politics and Law ATAR
German: Background Language ATAR*	Psychology ATAR
German: Second Language ATAR*	Religion and Life ATAR
Health Studies ATAR	Spanish ATAR*
Hebrew ATAR*	Vietnamese ATAR*
Human Biology ATAR	Visual Arts ATAR

NOTE:

1. **Subject also to unacceptable combinations below, no more than two mathematics scaled scores can be used in the calculation of an ATAR.**
2. There may be some additional interstate language courses* and examinations available in WA in 2017, which may be counted in the ATAR. Contact the School Curriculum and Standards Authority for details of availability.
3. * indicates a Language Other Than English (LOTE) course.

UNACCEPTABLE COURSE COMBINATIONS – ATAR COURSES

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.

Chemistry ATAR with Integrated Science ATAR
English ATAR with English as an Additional Language/Dialect ATAR
English ATAR with Literature ATAR
English as an Additional Language/Dialect ATAR with Literature ATAR
Mathematics Applications ATAR with Mathematics Methods ATAR
Mathematics Applications ATAR with Mathematics Specialist ATAR
Physics ATAR with Integrated Science ATAR
Chinese: Background Language ATAR with Chinese: Second Language ATAR
Chinese: Background Language ATAR with Chinese: First Language ATAR

Chinese: Second Language ATAR **with** Chinese: First Language ATAR
 French: Background Language ATAR **with** French: Second Language ATAR
 German: Background Language ATAR **with** German: Second Language ATAR
 Indonesian: Background Language ATAR **with** Indonesian: First Language ATAR
 Indonesian: Background Language ATAR **with** Indonesian: Second Language ATAR
 Indonesian: First Language ATAR **with** Indonesian: Second Language ATAR
 Indonesian: Background Language ATAR **with** Malay: Background Speakers ATAR
 Indonesian: First Language ATAR **with** Malay: Background Speakers ATAR
 Indonesian: Second Language ATAR **with** Malay: Background Speakers ATAR
 Italian: Background Language ATAR **with** Italian: Second Language ATAR
 Japanese: Background Language ATAR **with** Japanese: First Language ATAR
 Japanese: Background Language ATAR **with** Japanese: Second Language ATAR
 Japanese: Second Language ATAR **with** Japanese: First Language ATAR

UNACCEPTABLE COURSE COMBINATIONS – INCLUDING COURSES 2013-2015

If you have results from past study in WACE courses, 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 2013 cannot be used in the ATAR.

Where ATAR courses have replaced WACE courses, the ATAR and the corresponding previous WACE course cannot both count. For example, English ATAR and WACE English cannot both count; Chemistry ATAR and WACE Chemistry cannot both count, etc.

In addition:

Biology ATAR **with** WACE Biological Sciences
 Chemistry ATAR **with** WACE Integrated Science
 English ATAR **with** WACE English as an Additional Language/Dialect
 English ATAR **with** WACE Literature
 English as an Additional Language/Dialect ATAR **with** WACE English
 English as an Additional Language/Dialect ATAR **with** WACE Literature
 Human Biology ATAR **with** WACE Human Biological Science
 Human Biology ATAR **with** WACE Biological Sciences
 Literature ATAR **with** WACE English
 Literature ATAR **with** WACE English as an Additional Language/Dialect
 Mathematics Applications ATAR **with** WACE Mathematics
 Mathematics Methods ATAR **with** WACE Mathematics
 Mathematics Specialist ATAR **with** WACE Mathematics Specialist
 Physics ATAR **with** WACE Integrated Science
 WACE Biological Sciences **with** WACE Human Biological Science
 WACE Chemistry **with** WACE Integrated Science
 WACE English **with** WACE English as an Additional Language/Dialect
 WACE English **with** WACE Literature
 WACE English as an Additional Language/Dialect **with** WACE Literature
 WACE Physics **with** WACE Integrated Science
 Chinese: Background Language ATAR **with** any WACE Chinese course
 Chinese: First Language ATAR **with** any WACE Chinese course
 Chinese: Second Language ATAR **with** any WACE Chinese course
 French: Background Language ATAR **with** WACE French
 French: Second Language ATAR **with** WACE French
 German: Background Language ATAR **with** WACE German
 German: Second Language ATAR **with** WACE German
 Indonesian: Background Language ATAR **with** any WACE Indonesian course or WACE Malay: Background Speakers
 Indonesian: First Language ATAR **with** any WACE Indonesian course or WACE Malay: Background Speakers
 Indonesian: Second Language ATAR **with** any WACE Indonesian course or WACE Malay: Background Speakers
 Italian: Background Language ATAR **with** WACE Italian
 Italian: Second Language ATAR **with** WACE Italian
 Japanese: Background Language ATAR **with** any WACE Japanese course
 Japanese: First Language ATAR **with** any WACE Japanese course
 Japanese: Second Language ATAR **with** any WACE Japanese course
 WACE Chinese: Background Speakers **with** WACE Chinese: Second Language
 WACE Chinese: Background Speakers **with** WACE Heritage Chinese Mandarin
 WACE Chinese: Second Language **with** WACE Heritage Chinese Mandarin
 WACE Indonesian: Background Speakers **with** WACE Indonesian: Second Language
 WACE Indonesian: Background Speakers **with** WACE Malay: Background Speakers
 WACE Japanese: Background Speakers **with** WACE Heritage Japanese

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

WACE Japanese: Second Language **with** WACE Heritage Japanese

WACE Korean First Language **with** WACE Heritage Korean

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

COURSES STUDIED ON A NON-SCHOOL BASIS

You may use results in courses sat on a non-school in the calculation of your ATAR. Your scaled score in courses you sit on a non-school basis will be based on your course examination mark only.

The School Curriculum and Standards Authority (SCSA) administers non-school candidature. SCSA places restrictions on school leaver students sitting ATAR courses as non-school candidates. If you wish to sit WACE courses on a non-school basis contact SCSA, Mason Bird Building, Level 2, 303 Sevenoaks Street, Cannington 6107, phone (08) 9273 6300, www.scsa.wa.edu.au for advice. SCSA has a deadline for enrolling as a non-school candidate.

You will not be able to use results from courses sat on a non-school basis to meet the WACE requirement.

SELECTION RANKS

For most courses, 2018 Year 12 students will be selected for admission to university in 2019 on the basis of their ATAR. However, some universities assign students who are eligible for alternative admission pathways a Selection Rank that is higher than their ATAR. For these students, selection into courses at the university concerned is based on this Selection Rank.

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.

Eligibility for the entry pathways is based on specified criteria. TISC advises students of their eligibility at the time of the Year 12 results/ATAR release in late December, via the Universities Admission Advice Letter (UAAL). The appropriate Selection Rank is automatically applied for offer rounds. For 2019 admission, Curtin University has the StepUp to Curtin Entry Pathway, ECU has the ECU Access Pathway, Murdoch University has the RISE Pathway and UWA has the Broadway Alternative Entry Pathway. For further details about any of these pathways, see the individual university section on TISC's website.

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 an ATAR course is required for prerequisites purposes. See individual university course entries which follow for details.

Prerequisites may be satisfied by results from the current year or previous four years. For results prior to 2016, a scaled score of 50 or more from stage 3 of the specified WACE course is required, except that a scaled score of 50 or more in WACE Mathematics 2C/2D may be acceptable for some university courses.

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.

COURSE PREREQUISITES

The following list outlines the prerequisite and recommended courses for entry to university courses in 2019. Additional requirements are also outlined.

CURTIN UNIVERSITY

The following list outlines the prerequisite and recommended ATAR courses for entry to Curtin courses in 2019. Additional non-Year 12 requirements are also outlined. To satisfy the prerequisite requirements, a scaled score of 50 or more in the ATAR course(s) specified is required, unless otherwise specified. Note that where 'at least Mathematics Applications ATAR' is specified as a prerequisite, Mathematics Methods ATAR also satisfies the requirement.

For results prior to 2016, a scaled score of 50 or more in stage 3 of the corresponding WACE course is generally required, although Mathematics 2C/2D is acceptable where specified. A scaled score of 50 is required in WACE courses.

- ¹ Biology ATAR, Chemistry ATAR, Earth and Environmental Science ATAR, Human Biology ATAR, Integrated Science ATAR, Physics ATAR or Psychology ATAR satisfies this requirement.
- ² Accreditation by the Institution of Actuaries requires applicants to have a minimum ATAR/Selection Rank of 92.00.
- ³ Animal Production Systems ATAR, Applied Information Technology ATAR, Biology ATAR, Chemistry ATAR, Computer Science ATAR, Earth and Environmental Science ATAR, Engineering Studies ATAR, Human Biology ATAR, Integrated Science ATAR, Marine and Maritime Studies ATAR, Physics ATAR, Plant Production Systems ATAR or Psychology ATAR satisfies this requirement.
- ⁴ Course curriculum is subject to finalisation, approval and external accreditation.
- ⁵ Background in Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Physics, Psychology or Biological Sciences is required. Please refer to <http://futurestudents.curtin.edu.au/school-leavers/how-to-get-in/flexible-entry-pathways/portfolio/> for course requirements.
- ⁶ Animal Production Systems ATAR, Aviation ATAR, Biology ATAR, Chemistry ATAR, Earth and Environmental Science ATAR, Human Biology ATAR, Integrated Science ATAR, Marine and Maritime Studies ATAR, Physics ATAR, Plant Production Systems ATAR or Psychology ATAR satisfies this requirement.

COURSE	PREREQUISITES	DESIRABLE
Actuarial Science (BSc)	Mathematics Methods ATAR and ATAR/Selection Rank of 92.00 or equivalent ²	Mathematics Specialist ATAR
Advanced Science (Hons) - Agricultural Science (BSc AdvSci Hons)	Mathematics Methods ATAR	Biology ATAR, Chemistry ATAR
Advanced Science (Hons) - Chemistry (BSc AdvSci Hons)	Mathematics Methods ATAR and Chemistry ATAR	Mathematics Specialist ATAR, Physics ATAR
Advanced Science (Hons) - Coastal and Marine Science (BSc AdvSci Hons)	Mathematics Methods ATAR	At least one of Biology ATAR, Chemistry ATAR, Marine and Maritime Studies ATAR
Advanced Science (Hons) - Computing (BSc AdvSci Hons)	Mathematics Methods ATAR	
Advanced Science (Hons) - Data Science (BSc AdvSci Hons)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Advanced Science (Hons) - Earth Science (BSc AdvSci Hons)	Mathematics Methods ATAR	Chemistry ATAR
Advanced Science (Hons) - Environmental Science (BSc AdvSci Hons)	Mathematics Methods ATAR and Chemistry ATAR	Biology ATAR
Advanced Science (Hons) - Financial Mathematics (BSc AdvSci Hons)	Mathematics Specialist ATAR	
Advanced Science (Hons) - Industrial and Applied Mathematics (BSc AdvSci Hons)	Mathematics Specialist ATAR	
Advanced Science (Hons) - Molecular Genetics (BSc AdvSci Hons)	Mathematics Methods ATAR and Chemistry ATAR	
Advanced Science (Hons) - Physics (BSc AdvSci Hons)	Mathematics Specialist ATAR and Physics ATAR	Chemistry ATAR
Agribusiness (Portfolio entry) (Associate Degree) (AssocDAgribus)	No prior study in a particular course is required	
Agribusiness (BAgribus)	Mathematics Applications ATAR	One science course ³
Agribusiness (BAgribus) (Portfolio entry)	Mathematics Applications ATAR	One science course ³

COURSE	PREREQUISITES	DESIRABLE
Anthropology and Sociology (BA)	No prior study in a particular course is required	
Applied Geology (BSc)	At least Mathematics Applications ATAR	
Applied Geology (BSc) (Portfolio entry)	At least Mathematics Applications ATAR	
Applied Geology/Environmental Biology (BSc/BSc)	At least Mathematics Applications ATAR and one science course ³	
Applied Geology/Finance (BSc/BCom)	At least Mathematics Applications ATAR	
Applied Geology/Geophysics (BSc/BSc)	Mathematics Methods ATAR and Physics ATAR	Mathematics Specialist ATAR
Architectural Science (BAppSc)	No prior study in a particular course is required	
Arts/Commerce (BA/BCom)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Biochemistry (BSc)	Mathematics Methods ATAR and Chemistry ATAR	Mathematics Specialist ATAR and Physics ATAR
Business Administration (BBA)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Chemical Engineering/Chemistry (BEng/BSc)	Mathematics Methods ATAR and Chemistry ATAR, and at least one of the following courses: Physics ATAR and Engineering Studies ATAR	Mathematics Specialist ATAR
Chemical Engineering/Extractive Metallurgy (BEng/BSc)	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR and Engineering Studies ATAR	Mathematics Specialist ATAR
Chemistry (BSc)	Mathematics Applications ATAR and Chemistry ATAR	Mathematics Methods ATAR and Physics ATAR
Chemistry/Arts (BSc(Chem)/BA)	Mathematics Methods ATAR and Chemistry ATAR	Mathematics Specialist ATAR and Physics ATAR
Chemistry/Commerce (BSc(Chem)/BCom)	Mathematics Methods ATAR and Chemistry ATAR	Mathematics Specialist ATAR and Physics ATAR
Chinese (BA)	No prior study in a particular course is required	
Civil and Construction Engineering/Mining (BEng/BSc)	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR and Engineering Studies ATAR	Mathematics Specialist ATAR
Coastal and Marine Science (BSc)	Mathematics Applications ATAR	At least one science course ³
Coastal and Marine Science/Arts (BSc(Coastal and Marine Science)/BA)	Mathematics Applications ATAR and at least one science course ³	
Coastal and Marine Science/Commerce (BSc(Coastal and Marine Science)/Commerce)	Mathematics Applications ATAR and at least one science course ³	
Commerce (BCom)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Commerce (BCom) (Portfolio entry)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Commerce (BCom) - Online	No prior study in a particular course is required	At least Mathematics Applications ATAR
Computer Systems and Networking (BTech)	At least Mathematics Applications ATAR	Mathematics Methods ATAR or Mathematics Specialist ATAR
Computing (BSc)	Mathematics Applications ATAR	Mathematics Specialist ATAR
Construction Management (BAppSc)	Mathematics Applications ATAR	Mathematics Methods ATAR or Mathematics Specialist ATAR
Creative Writing (BA)	No prior study in a particular course is required	
Creative Writing (BA) (Portfolio entry)	No prior study in a particular course is required	
Data Science (BSc)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Data Science/Arts (BSc(Data Science)/BA)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Data Science/Commerce (BSc(Data Science)/Commerce)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Design (Animation and Game Design) (BDesign)	No prior study in a particular course is required	

COURSE	PREREQUISITES	DESIRABLE
Design (Animation and Games Design) (Portfolio entry) (BDesign)	No prior study in a particular course is required	
Design (Digital Design) (BDesign)	No prior study in a particular course is required	
Design (Digital Design) (Portfolio entry)	No prior study in a particular course is required	
Design (Fashion) (BDesign)	No prior study in a particular course is required	
Design (Fashion) (Portfolio entry) (BDesign)	No prior study in a particular course is required	
Design (Graphic Design) (BDesign)	No prior study in a particular course is required	
Design (Graphic Design) (Portfolio entry) (BDesign)	No prior study in a particular course is required	
Design (Photography) (BDesign)	No prior study in a particular course is required	
Design (Photography) (Portfolio entry) (BDesign)	No prior study in a particular course is required	
Educational Studies (BEd)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Education - Early Childhood Education (BEd)	No prior study in a particular course is required	
Education - Primary Education (BEd)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Education - Primary Education (BEd) (Portfolio entry)	No prior study in a particular course is required. Applicants will be required to attend an interview.	At least Mathematics Applications ATAR
Education – Secondary Education (BEd)	Course appropriate to teaching area	
<ul style="list-style-type: none"> • Arts Education: <ul style="list-style-type: none"> Drama Media Production and Analysis Visual Arts • English Education • Humanities and Social Sciences: <ul style="list-style-type: none"> Economics History Geography Politics and Law • Mathematics Education • Science Education: <ul style="list-style-type: none"> Chemistry Physics (must be taken with a Mathematics minor teaching area) Biology Human Biology Psychology 	<ul style="list-style-type: none"> No prior study in a particular subject is required No prior study in a particular subject is required No prior study in a particular subject is required No prior study in a particular subject is required No prior study in a particular subject is required No prior study in a particular subject is required No prior study in a particular subject is required No prior study in a particular subject is required No prior study in a particular subject is required Mathematics Methods ATAR Mathematics Methods ATAR and Chemistry ATAR Mathematics Methods ATAR and Physics ATAR Mathematics Applications ATAR No prior study in a particular subject is required No prior study in a particular subject is required 	<ul style="list-style-type: none"> Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Applications ATAR Mathematics Specialist ATAR and Physics ATAR Mathematics Specialist ATAR and Chemistry ATAR At least one science course¹ Chemistry ATAR, Mathematics Applications ATAR and Human Biology ATAR or Biology ATAR Mathematics Applications ATAR
Electrical and Electronic Engineering/Computer Science (BEng/BSc)	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR or Engineering Studies ATAR	Mathematics Specialist ATAR

COURSE	PREREQUISITES	DESIRABLE
Electrical and Electronic Engineering/Data Science (BEng/BSc)	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR or Engineering Studies ATAR	Mathematics Specialist ATAR
Electrical and Electronic Engineering/Physics (BEng/BSc)	Mathematics Methods ATAR and Physics ATAR and Chemistry ATAR	Mathematics Specialist ATAR and Engineering Studies ATAR
Engineering (BEng(Hons)) <ul style="list-style-type: none"> • Chemical • Civil and Construction • Electrical and Electronic • Industrial and Systems Engineering • Mechanical • Mechatronic • Metallurgical • Mining • Petroleum 	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR and Engineering Studies ATAR	Mathematics Specialist ATAR
Engineering/Commerce - 5.5 years (BEng/BCom) <ul style="list-style-type: none"> • Chemical • Civil and Construction • Mechanical • Metallurgical • Mining 	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR and Engineering Studies ATAR	Mathematics Specialist ATAR
Environmental Biology/Arts (BSc(Environmental Biology)/BA)	Mathematics Applications ATAR and at least one science course ³	
Environmental Biology/Commerce (BSc(Environmental Biology)/BCom)	Mathematics Applications ATAR and at least one science course ³	
Environmental Science (BSc)	Mathematics Applications ATAR	Chemistry ATAR
Exercise, Sports and Rehabilitation Science (BSc)	No prior study in a particular course is required	At least Mathematics Applications ATAR and one science course ¹
Extractive Metallurgy (BSc)	Mathematics Applications ATAR and Chemistry ATAR or Physics ATAR	
Financial Mathematics (BSc)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Fine Art (BA)	No prior study in a particular course is required	
Fine Art (BA) (Portfolio entry)	No prior study in a particular course is required	
Geographic Information Science/Geography (BSc/BA)	Mathematics Applications ATAR	Mathematics Methods ATAR
Geography (BA)	No prior study in a particular course is required	
Geophysics (BSc)	Mathematics Methods ATAR and Physics ATAR	Mathematics Specialist ATAR
Health Promotion (BSc)	No prior study in a particular course is required	At least one science course ¹
Health Promotion/Health and Safety (BSc/BSc)	No prior study in a particular course is required	At least one science course ¹
Health, Safety and Environment (BSc)	No prior study in a particular course is required	One science course ¹
Health Sciences (BSc)	No prior study in a particular course is required	At least one science course ¹
Health Sciences (BSc) (Portfolio entry)	No prior study in a particular course is required	
History (BA)	No prior study in a particular course is required	
Human Biology Preclinical (BSc)	No prior study in a particular course is required	At least Mathematics Methods ATAR; and at least one of Chemistry ATAR or Human Biology ATAR or Biology ATAR
Industrial and Applied Mathematics (BSc)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Interior Architecture (BA)	No prior study in a particular course is required	
Interior Architecture (BA) (Portfolio entry)	No prior study in a particular course is required	
International Relations (BA)	No prior study in a particular course is required	
Internet Communications (BA)	No prior study in a particular course is required	

COURSE	PREREQUISITES	DESIRABLE
Japanese (BA)	No prior study in a particular course is required	
Journalism (BA)	No prior study in a particular course is required	
Journalism (BA) (Portfolio entry)	No prior study in a particular course is required	
Laboratory Medicine (BSc)	No prior study in a particular course is required	At least Mathematics Applications ATAR, Chemistry ATAR, and Human Biology ATAR or Biology ATAR
Law (LLB)	No prior study in a particular course is required	
Law/Arts (LLB/BA)	No prior study in a particular course is required	
Law/Commerce (LLB/BCom)	No prior study in a particular course is required	Mathematics Applications ATAR
Law/Psychology	No prior study in a particular course is required	Mathematics Methods ATAR
Librarianship and Corporate Information Management (BA)	No prior study in a particular course is required	
Literary and Cultural Studies (BA)	No prior study in a particular course is required	
Mass Communication (BA)	No prior study in a particular course is required	
Mathematics/Arts (BSc(Mathematics)/BA)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Mathematics/Commerce (BSc(Mathematics)/BCom)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Mechatronic Engineering/Computer Science (BEng/BSc) (double degree)	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR and Engineering Studies ATAR	Mathematics Specialist ATAR
Medical Imaging (BSc)	Physics ATAR and Mathematics Methods ATAR	Mathematics Specialist ATAR
* Medicine/Surgery (MBBS)	Chemistry ATAR To be eligible to participate in the selection process all applicants are required to undertake the Undergraduate Medicine and Health Sciences Admissions Test (UMAT). Applicants will be selected for interview based on their UMAT score and predicted ATAR.	At least one of the following courses: Mathematics Applications ATAR Mathematics Methods ATAR Mathematics Specialist ATAR
Mine and Engineering Surveying (BSc)	Mathematics Applications ATAR	Mathematics Methods ATAR
Mining (BSc)	Mathematics Applications ATAR and Chemistry ATAR or Physics ATAR	
Molecular Genetics and Biotechnology (BSc)	No prior study in a particular subject is required	At least Chemistry ATAR and Mathematics Methods ATAR; and Human Biology ATAR or Biology ATAR
Multidisciplinary Science (BSc)	Mathematics Applications ATAR	At least one science course ³
Multidisciplinary Science (BSc) (Portfolio entry)	Mathematics Applications ATAR	At least one science course ³
Nursing (General) (BSc)	No prior study in a particular course is required	Human Biology ATAR and Integrated Science ATAR
Nutrition and Food Science (BSc)	Chemistry ATAR	At least Mathematics Applications ATAR
Nutrition/ Health Promotion (BSc)	Chemistry ATAR	At least Mathematics Applications ATAR
Occupational Therapy (BSc)	At least one science course ¹	
Optometry (BSc(Vision Science)/Master of Optometry)	No prior study in a particular course is required	At least Mathematics Applications ATAR, Physics ATAR, Chemistry ATAR, Human Biology ATAR
Oral Health Therapy (BSc)	No prior study in a particular course is required	Human Biology ATAR or Biology ATAR
Paramedicine (BSc)	A conditional letter of employment from St. Johns Ambulance as a student paramedic. No prior study in a particular subject is required. Applicants are required to meet University academic and English language entry standards. To be successful in the St John Ambulance recruitment process you will need to meet academic, personal and physical requirements and have at least three years life experience after finishing school.	One science course ¹

COURSE	PREREQUISITES	DESIRABLE
Pharmacy (BPharm(Hons))	Chemistry ATAR and Mathematics Applications ATAR	Human Biology ATAR or Biology ATAR
Physics (BSc)	Mathematics Methods ATAR and Physics ATAR	Mathematics Specialist ATAR and Chemistry ATAR
Physics/Arts (BSc(Phys)/BA)	Mathematics Methods ATAR and Physics ATAR	Mathematics Specialist ATAR
Physics/Commerce (BSc(Phys)/BCom)	Mathematics Methods ATAR and Physics ATAR	Mathematics Specialist ATAR and Chemistry ATAR
Physiotherapy (BSc)	At least one science course ¹	
Professional Writing and Publishing (BA)	No prior study in a particular course is required	
Psychology (BPsych)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Psychology and Human Resource Management (BSc(Psych/HRM))	No prior study in a particular course is required	At least Mathematics Applications ATAR
Psychology and Human Resource Management and Industrial Relations (BSc(Psych)/HRM/IR)	No prior study in a particular course is required	At least Mathematics Applications ATAR
Psychology/Marketing	No prior study in a particular course is required	Mathematics Methods ATAR
Radiation Therapy (BSc)	Physics ATAR and Mathematics Methods ATAR	Mathematics Specialist ATAR
Screen Arts (BA)	No prior study in a particular course is required	
Social Work (BSW)	No prior study in a particular course is required	
Speech Pathology (BSc)	At least one science course ¹	At least Mathematics Applications ATAR
Surveying (BSurv)	At least Mathematics Applications ATAR	Mathematics Methods ATAR
Theatre Arts (BA)	No prior study in a particular course is required	
Theatre Arts (BA) (Portfolio entry)	No prior study in a particular course is required	
UniReady Enabling Program	No prior study in a particular course is required. Applicants must be over the compulsory school age as defined by the WA School Education Act 1999 in the year of commencement of the course.	
Urban & Regional Planning (BA)	No prior study in a particular course is required	

EDITH COWAN UNIVERSITY

The following are the prerequisites which apply for entry to ECU courses (or specific major(s) within a course). A minimum scaled score of 50 is normally required for prerequisite ATAR courses. For results prior to 2016, a scaled score of 50 or more in stage 3 of the corresponding WACE course is generally required.

COURSE	PREREQUISITES	DESIRABLE
Arts	No prior study in a particular course is required	
Arts / Commerce (<i>double degree</i>)	No prior study in a particular course is required	
Arts / Media and Communications (<i>double degree</i>)	No prior study in a particular course is required	
Arts Management	Interview and separate application to ECU	
Arts / Science (<i>double degree</i>)	Applicants must satisfy the prerequisites for specific major(s) as noted below	
<i>Data Science</i>	Mathematics Methods ATAR or equivalent	
Aviation	No prior study in a particular course is required	
Biological Sciences	No prior study in a particular course is required	
Biomedical Science	Applicants must satisfy the prerequisites for specific major(s) as noted below	
<i>Data Science</i>	Mathematics Methods ATAR or equivalent	
Commerce	No prior study in a particular course is required	
Commerce (HR Management) / Psychology (<i>double degree</i>)	No prior study in a particular course is required	
Computer Science	No prior study in a particular course is required	
Conservation and Wildlife Biology	No prior study in a particular course is required	
Contemporary Arts	No prior study in a particular course is required	
Counselling	No prior study in a particular course is required	
Counter Terrorism, Security and Intelligence	No prior study in a particular course is required	
Criminology and Justice	No prior study in a particular course is required	
Cyber Security	No prior study in a particular course is required	
Design	No prior study in a particular course is required	
Education (Early Childhood Studies)	Applicants for pre-service teacher education courses must satisfy non-academic criteria. Applicants' non-academic capabilities will be assessed based on the submission of a 500 word personal statement. In this statement, applicants will outline why they wish to become a teacher.	
Education (Primary)	Applicants for pre-service teacher education courses must satisfy non-academic criteria. Applicants' non-academic capabilities will be assessed based on the submission of a 500 word personal statement. In this statement, applicants will outline why they wish to become a teacher.	

COURSE	PREREQUISITES	DESIRABLE
Education (Secondary)	Applicants for pre-service teacher education courses must satisfy non-academic criteria. Applicants' non-academic capabilities will be assessed based on the submission of a 500 word personal statement. In this statement, applicants will outline why they wish to become a teacher	
	Applicants must also satisfy the prerequisites for specific major(s) as noted below	
<i>Biological Science Education</i>	Biology ATAR, or Chemistry ATAR, or Earth and Environmental Science ATAR, or Human Biology ATAR, or Integrated Science ATAR or Physics ATAR or equivalents	
<i>Design and Technology Education</i>	No prior study in a particular course is required	
<i>Drama Education</i>	No prior study in a particular course is required	
<i>English Education</i>	No prior study in a particular course is required	
<i>Health and Physical Education</i>	No prior study in a particular course is required	
<i>Home Economics Education</i>	No prior study in a particular course is required	
<i>Humanities and Social Science Education</i>	No prior study in a particular course is required	
<i>Mathematics Education</i>	Mathematics Methods ATAR or equivalent	Mathematics Specialist ATAR or equivalents
<i>Music Education</i>	Audition and separate application to ECU	Australian Music Examinations Board (AMEB) Grade V level of performance or equivalent
<i>Visual Arts Education</i>	No prior study in a particular course is required	
Engineering Honours	For all Engineering Degrees listed:	
	Mathematics Methods ATAR and Physics ATAR or Engineering Studies ATAR or equivalents	Mathematics Specialist ATAR
Single Degrees		
Civil		
Civil and Environmental		
Computer Systems		
Electrical Power		
Electrical and Renewable Energy		
Electronics and Communications		
Instrumentation, Control & Automation		
Marine and Offshore Systems		
Mechanical		
Mechatronics		
Naval Architecture		
Ocean Engineering		
Petroleum Engineering		

COURSE	PREREQUISITES	DESIRABLE
Double Degrees		
Engineering / Commerce		
Engineering (Computer Systems) / Computer Science		
Engineering (Mechatronics) Honours / Technology (Motorsports)		
Engineering / Laws		
Engineering / Science		
Engineering (Chemical) Honours	Mathematics Methods ATAR and Chemistry ATAR and Physics ATAR or Engineering Studies ATAR or equivalents	Mathematics Specialist ATAR or equivalent
Engineering Science	Mathematics Methods ATAR and Physics ATAR or Engineering Studies ATAR or equivalents	Mathematics Specialist ATAR or equivalent
Environmental Management	No prior study in a particular course is required	
Exercise and Sports Science	No prior study in a particular course is required	
Exercise and Sports Science/Sport Business (double degree)	No prior study in a particular course is required	
Exercise Science and Rehabilitation	No prior study in a particular course is required	
Health Science	No prior study in a particular course is required	
Hospitality and Tourism Management	No prior study in a particular course is required	
Information Technology	No prior study in a particular course is required	
International Hotel and Resort Management	No prior study in a particular course is required	
Language Studies (Diploma)	Applicants must satisfy the prerequisites for specific major(s) as noted below	
<i>Japanese (Introductory)</i>	Native speakers of Japanese who have completed their compulsory education in Japan and/or in a Japanese educational institution overseas (i.e., six years at primary and three years at junior high school) are not eligible to enrol in a Japanese major or minor.	
<i>Japanese (Post-ATAR)</i>	Japanese: Second Language ATAR Native speakers of Japanese who have completed their compulsory education in Japan and/or in a Japanese educational institution overseas (i.e., six years at primary and three years at junior high school) are not eligible to enrol in a Japanese major or minor.	
Laws	No prior study in a particular course is required	
Laws / Arts (double degree)	No prior study in a particular course is required	
Laws / Commerce (double degree)	No prior study in a particular course is required	
Laws / Criminology and Justice (double degree)	No prior study in a particular course is required	
Laws / Psychological Science (double degree)	No prior study in a particular course is required	
Marine and Freshwater Biology	No prior study in a particular course is required	
Marketing, Advertising and Public Relations	No prior study in a particular course is required	

COURSE	PREREQUISITES	DESIRABLE
Media and Communications	No prior study in a particular course is required	
Medical Science	No prior study in a particular course is required	
Music	All Music majors: Audition and separate application to ECU	
Nursing - Registered Nursing	No prior study in a particular course is required	
Nursing / Midwifery	No prior study in a particular course is required	
Occupational Therapy	No prior study in a particular course is required	
Paramedical Science	No prior study in a particular course is required	
Performance Making	Audition and separate application to ECU	
Psychological Science	No prior study in a particular course is required	
Psychology (Bachelor of Arts)	No prior study in a particular course is required	
Psychology (Bachelor of Science)	No prior study in a particular course is required	
Psychology and Addiction Studies	No prior study in a particular course is required	
Psychology and Counselling	No prior study in a particular course is required	
Psychology, Criminology and Justice	No prior study in a particular course is required	
Science	Applicants must satisfy the prerequisites for specific major(s) as noted below	
<i>Data Science</i>	Mathematics Methods ATAR or Mathematics Specialist ATAR or equivalents	
<i>Mathematics</i>	Mathematics Methods ATAR or Mathematics Specialist ATAR or equivalents	
<i>Physics</i>	Physics ATAR and Mathematics Methods ATAR or equivalents	
Science / Commerce (double degree)	Applicants must satisfy the prerequisites for specific major(s) as noted below	
<i>Data Science</i>	Mathematics Methods ATAR or Mathematics Specialist ATAR or equivalents	
<i>Mathematics Major</i>	Mathematics Methods ATAR or Mathematics Specialist ATAR or equivalents	
<i>Physics</i>	Physics ATAR and Mathematics Methods ATAR or equivalents	
Security	No prior study in a particular course is required	
Social Science	No prior study in a particular course is required	
Social Work	No prior study in a particular course is required	
Speech Pathology	No prior study in a particular course is required	
Sport, Recreation and Event Management	No prior study in a particular course is required	
Sustainability	No prior study in a particular course is required	
Technology (Aeronautical)		Physics ATAR or Engineering Studies ATAR, and Mathematics Methods ATAR or equivalents

COURSE	PREREQUISITES	DESIRABLE
Technology (Electronic and Computer Systems)		Mathematics Methods ATAR or equivalent
Technology (Engineering)		Mathematics Methods ATAR ² or equivalent
Technology (Motorsports)		Mathematics Methods ATAR and Physics ATAR or Engineering Studies ATAR or equivalents
University Preparation Course	No prior study in a particular course is required	
University Preparation Course (Education Assistant Program)	No prior study in a particular course is required	
Youth Work	No prior study in a particular course is 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 introductory 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 ATAR courses because a strong mathematical or chemistry background is an advantage in any science-based university course. However, they are purely a recommendation and do not affect entry. Note that for entry to all Murdoch's courses you must fulfil the University's requirements on English competence.

COURSE	RECOMMENDED
BACHELOR OF ARTS	
Community Development	No specific courses
English and Creative Writing	No specific courses
Global Politics and Policy	No specific courses
History	No specific courses
Indonesian	No specific courses
International Aid and Development	No specific courses
Japanese	No specific courses
Philosophy	No specific courses
Psychology (BA)	No specific courses
Sociology	No specific courses
Sustainable Development	No specific courses
Theatre and Drama	No specific courses
Tourism and Events	No specific courses
BACHELOR OF BUSINESS	
Accounting	Mathematics Applications ATAR
Banking	Mathematics Applications ATAR
Business Law	No specific courses
Finance	Mathematics Applications ATAR
Hospitality and Tourism Management	Mathematics Applications ATAR
Human Resource Management	No specific courses
International Business	
Management	No specific courses
Marketing	No specific courses
BACHELOR OF COMMERCE	
Accounting	Mathematics Applications ATAR
Banking	Mathematics Applications ATAR
Business Law	No specific courses
Finance	Mathematics Applications ATAR
Global Business and Politics	
Hospitality and Tourism Management	Mathematics Applications ATAR
Human Resource Management	No specific courses

COURSE	RECOMMENDED
Management	No specific courses
Marketing	No specific courses
Commerce/Entrepreneurship and Innovation (combined degree)	No specific courses
BACHELOR OF COMMUNICATION	
Global Media and Communication	No specific courses
Journalism	No specific courses
Strategic Communication	No specific courses
Creative Media/Communication	No specific courses
BACHELOR OF CREATIVE MEDIA	
Games Art and Design	Visual Arts ATAR
Graphic Design	Visual Arts ATAR
Photography	No specific courses
Screen Production	No specific courses
Sound	No specific courses
BACHELOR OF CRIMINOLOGY	
Crime Science	No specific courses
Criminal Behaviour	No specific courses
Legal Studies	No specific courses
Criminology/Arts (Psychology) (combined degree)	No specific courses
Criminology/Communication (combined degree)	No specific courses
Criminology/Global Security (combined degree)	No specific courses
Criminology/Science (combined degree)	No specific courses
BACHELOR OF EDUCATION	
Early Childhood and Primary Teaching	No specific courses
Primary Teaching	No specific courses
Primary, 1-10 Health and Physical Education	No specific courses
Secondary Teaching	No specific courses
BACHELOR OF ENGINEERING	
Engineering (Hons) <ul style="list-style-type: none"> • Chemical and Metallurgical • Electrical Power • Environmental • Industrial Computer Systems • Instrumentation and Control • Renewable Energy 	Mathematics Methods ATAR, Mathematics Specialist ATAR, Physics ATAR, Chemistry ATAR
GLOBAL SECURITY	
Terrorism and Counterterrorism Studies	No specific courses
INTERNATIONAL BUSINESS	
International Business	No specific courses
BACHELOR OF LAWS	
Law	No specific courses
Law/Arts (combined degree)	No specific courses
Law/Arts (Psychology) (combined degree)	No specific courses

COURSE	RECOMMENDED
Law/Business (combined degree)	No specific courses
Law/Commerce (combined degree)	No specific courses
Law/Communication (combined degree)	No specific courses
Law/Criminology (combined degree)	No specific courses
Law/Global Security (combined degree)	No specific courses
Law/International Business (combined degree)	No specific courses
Law/Science (combined degree)	No specific courses
Law/Science (Psychology) (combined degree)	No specific courses
BACHELOR OF NURSING	
Nursing	Mathematics Applications ATAR, Chemistry ATAR, Human Biology ATAR
BACHELOR OF SCIENCE	
Animal Health	Mathematics Methods ATAR, Chemistry ATAR, Biology ATAR
Animal Science	Mathematics Methods ATAR, Chemistry ATAR, Biology ATAR
Biological Sciences	Mathematics Applications ATAR, Chemistry ATAR
Biomedical Science	Mathematics Methods ATAR, Chemistry ATAR, Human Biology ATAR, Biology ATAR
Business Information Systems	Mathematics Applications ATAR
Chemistry	Mathematics Methods ATAR, Chemistry ATAR, Physics ATAR
Chiropractic (Leads into Bachelor of Clinical Chiropractic)	Mathematics Methods ATAR, Chemistry ATAR, Physics ATAR, Human Biology ATAR, Biology ATAR
Clinical Laboratory Science	Chemistry ATAR, Mathematics Applications ATAR, Biology ATAR or Human Biology ATAR
Computer Science	Mathematics Applications ATAR
Conservation and Wildlife Biology	Mathematics Applications ATAR, Chemistry ATAR
Crop and Pasture Science	Chemistry ATAR, Mathematics Applications ATAR
Cyber Forensics and Information Security	Mathematics Applications ATAR
Engineering Technology	Mathematics Methods ATAR, Mathematics Specialist ATAR, Physics ATAR
Environmental Management and Sustainability	Mathematics Applications ATAR, Chemistry ATAR
Environmental Science	Mathematics Applications ATAR, Chemistry ATAR
Forensic Biology and Toxicology	Mathematics Applications ATAR, Chemistry ATAR
Games Software Design and Production	Mathematics Applications ATAR
Games Technology	Mathematics Applications ATAR
Genetics and Molecular Biology	Mathematics Applications ATAR, Chemistry ATAR, Biology ATAR or Human Biology ATAR
Internetworking and Network Security	Mathematics Applications ATAR
Laboratory Medicine	Chemistry ATAR, Mathematics Applications ATAR, Human Biology ATAR or Biology ATAR
Marine Biology	Chemistry ATAR, Mathematics Applications ATAR
Marine Science	Mathematics Applications ATAR, Chemistry ATAR
Mathematics and Statistics	Mathematics Specialist ATAR
Mineral Science	Mathematics Methods ATAR, Mathematics Specialist ATAR, Chemistry ATAR

COURSE	RECOMMENDED
Mobile and Web Application Development	No specific courses
Physics and Nanotechnology	Mathematics Specialist ATAR, Physics ATAR
Psychology (<i>BSc</i>)	Mathematics Methods ATAR
Veterinary Science <i>BSc (Veterinary Biology) which progresses into an integrated DVM (Doctor of Veterinary Medicine)</i>	Mathematics Methods ATAR, Chemistry ATAR, Physics ATAR, Biology ATAR
BACHELOR OF SPORT EXERCISE SCIENCE	
Sport and Exercise Science	Human Biology ATAR, Physical Education Studies ATAR
Sport and Exercise Science/Grad Dip Clinical Exercise Physiology (combined degree)	Human Biology ATAR, Physical Education Studies ATAR
Sport and Exercise Science/Science (Psychology) (combined degree)	Mathematics Methods ATAR, Human Biology ATAR, Physical Education Studies ATAR
Enabling Program	
OnTrack Enabling Program	Completion of Years 11 and 12 with a B or higher in English General or a D or higher in an English ATAR course or Certificate III or higher. Applicants must be over the compulsory school age as defined by the WA School Education Act 1999 in the year of commencement of the course.

THE UNIVERSITY OF WESTERN AUSTRALIA

The following list outlines the prerequisite and recommended ATAR courses for entry to UWA courses in 2019. To satisfy the prerequisite requirements, a scaled score of 50 or more in the ATAR course is required. If prerequisite subjects have not been satisfied but other entry requirements have been met, an offer into the course will be given. However, additional units will be required as part of your degree.

Recommended courses provide valuable background that will assist you during your studies but do not affect selection into the course.

Undergraduate degrees

Bachelor of Arts		
Major	Prerequisites	Recommended Courses
Anthropology and Sociology	No previous study in a particular course is required	
Archaeology	No previous study in a particular course is required	
Architecture Double Major	No previous study in a particular course is required	
Asian Studies	No previous study in a particular course is required	
Chinese Studies	No previous study in a particular course is required	
Classics and Ancient History	No previous study in a particular course is required	
Communication and Media Studies	No previous study in a particular course is required	
English and Cultural Studies	No previous study in a particular course is required	
Fine Arts	No previous study in a particular course is required	
French Studies	No previous study in a particular course is required	
German Studies	No previous study in a particular course is required	
History	No previous study in a particular course is required	
History of Art	No previous study in a particular course is required	
Human Geography and Planning	No previous study in a particular course is required	
Indigenous Knowledge, History and Heritage	No previous study in a particular course is required	
Indonesian Studies	No previous study in a particular course is required	
Italian Studies	No previous study in a particular course is required	
Japanese Studies	No previous study in a particular course is required	
Korean Studies	No previous study in a particular course is required	
Landscape Architecture	No previous study in a particular course is required	
Law and Society	No previous study in a particular course is required	
Linguistics	No previous study in a particular course is required	
Music Specialist Studies	Complete an audition which will require demonstration of a musical background equivalent to Music ATAR.	Music ATAR
Music Studies	Complete an audition which will require demonstration of a musical background equivalent to Music ATAR.	Music ATAR
Philosophy	No previous study in a particular course is required	
Philosophy, Politics and Economics	No previous study in a particular course is required	
Political Science and International Relations	No previous study in a particular course is required	
Psychology in Society	No previous study in a particular course is required	
Psychology Double Major	No previous study in a particular course is required	
Spanish Studies	No previous study in a particular course is required	
Work and Employment Relations	No previous study in a particular course is required	

Bachelor of Biomedical Science		
Major	Prerequisites	Recommended Courses
Aboriginal Health and Wellbeing	Mathematics Applications ATAR	Mathematics Methods ATAR
Anatomy & Human Biology	Mathematics Applications ATAR	Mathematics Methods ATAR
Biochemistry and Molecular Biology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Exercise and Health	Mathematics Applications ATAR	
Genetics	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Humanities in Health and Medicine	Mathematics Applications ATAR	Mathematics Methods ATAR
Medical Sciences	Mathematics Applications ATAR with a mathematics unit taken in the first year; and Chemistry ATAR or a chemistry unit taken in the first year	
Microbiology and Immunology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Neuroscience	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Pathology and Laboratory Medicine	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Pharmacology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Physiology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Population Health	Mathematics Applications ATAR	Mathematics Methods ATAR
Science Communication	Mathematics Applications ATAR	

Bachelor of Commerce ^{1,2}		
Major	Prerequisites	Recommended Courses
Accounting	Mathematics Methods ATAR	Mathematics Methods ATAR
Business Law	Mathematics Methods ATAR	Mathematics Methods ATAR
Economics	Mathematics Methods ATAR	Mathematics Methods ATAR
Finance	Mathematics Methods ATAR	Mathematics Methods ATAR
Human Resource Management	Mathematics Methods ATAR	Mathematics Methods ATAR
Management	Mathematics Methods ATAR	Mathematics Methods ATAR
Marketing	Mathematics Methods ATAR	Mathematics Methods ATAR
Professional Economics	Mathematics Methods ATAR	Mathematics Methods ATAR

Bachelor of Science ^{3,4}		
Major	Prerequisites	Recommended Courses
Agricultural Science	Mathematics Applications ATAR	Mathematics Methods ATAR, Chemistry ATAR
Anatomy and Human Biology	Mathematics Applications ATAR	Mathematics Methods ATAR
Biochemistry and Molecular Biology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Botany	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Chemistry	Mathematics Methods ATAR OR Mathematics Applications ATAR with two additional mathematics units taken in the first year, and Chemistry ATAR or an additional Chemistry unit taken in the first year	Mathematics Specialist ATAR, Mathematics Methods ATAR and Chemistry ATAR

Bachelor of Science ^{3,4}		
Major	Prerequisites	Recommended Courses
Computer Science	Mathematics Methods ATAR OR Mathematics Applications ATAR with additional mathematics units taken in the first year.	Mathematics Methods ATAR
Conservation Biology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Data Science	Mathematics Applications ATAR	Mathematics Methods ATAR
Engineering (Direct Pathway)	Mathematics Specialist ATAR; Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR OR Mathematics Methods ATAR with additional specified units taken in the first year depending on the number of missing prerequisite subjects	Mathematics Specialist ATAR; ; Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR
Engineering Science	Mathematics Specialist ATAR; Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR OR Mathematics Methods ATAR with additional specified units taken in the first year depending on the number of missing prerequisite subjects	Mathematics Specialist ATAR; ; Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR
Environmental Science	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Exercise and Health	Mathematics Applications ATAR	
Genetics	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Geographical Sciences	Mathematics Applications ATAR	Mathematics Methods ATAR
Geology	Mathematics Applications ATAR	Mathematics Methods ATAR
Marine Science	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Mathematics and Statistics	Mathematics Specialist ATAR and Mathematics Methods ATAR OR Mathematics Methods ATAR with additional mathematics units taken in the first year	Mathematics Specialist ATAR and Mathematics Methods ATAR
Natural Resource Management	Mathematics Applications ATAR	Mathematics Methods ATAR
Neuroscience	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Physics	Mathematics Specialist ATAR; Mathematics Methods ATAR and Physics ATAR OR Mathematics Methods ATAR plus an additional mathematics unit taken in the first year, and Physics: ATAR or an additional Physics bridging unit taken in the first year	Mathematics Specialist ATAR Mathematics Methods ATAR and Physics ATAR
Physiology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR
Psychological Science	Mathematics Applications ATAR	
Psychology Double Major	Mathematics Applications ATAR	
Science Communication	Mathematics Applications ATAR	
Sport Science	Mathematics Applications ATAR	
Sport Science, Exercise and Health Double Major	Mathematics Applications ATAR	
Zoology	Mathematics Applications ATAR	Mathematics Methods ATAR and Chemistry ATAR

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, refer to the individual majors section for recommended course information. (Additional selection criteria may apply.)	

Postgraduate pathways ^{5, 6}

Area of study	Entry requirements
Architecture	Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA weighted average mark of at least 60%.
Dentistry	Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Grade Point Average of at least 5.5 ⁷
Engineering	Completion of a bachelor's degree with a major in Engineering Science, or an equivalent qualification, as recognised by UWA; OR Completion of a Bachelor of Engineering, or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA weighted average mark of at least 65%; OR Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA weighted average mark of at least 65%; and Mathematics Methods ATAR, or equivalent, as recognised by UWA
Landscape Architecture	Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA weighted average mark of at least 60%.
Law	Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Grade Point Average of at least 5.5 ⁸
Medicine	Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Grade Point Average of at least 5.5 ⁷
Pharmacy	Completion of a bachelor's degree in science with a major in a biomedical or biophysical discipline, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Grade Point Average of at least 5.0
Podiatric Medicine	Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Grade Point Average of at least 5.0 ⁷
Psychology	Completion of a bachelor's degree with honours in psychology, or an equivalent qualification, as recognised by UWA ⁸
Social Work	Completion of a relevant bachelor's degree, or an equivalent qualification, as recognised by UWA ¹⁰
Teaching (Early Childhood)	Completion of a bachelor's degree other than a Bachelor of Education, or an equivalent qualification, as recognised by UWA and at least one year of the bachelor's degree is relevant to one or more learning areas in the Early Childhood school curriculum.
Teaching (Primary)	Completion of a bachelor's degree other than a Bachelor of Education, or an equivalent qualification, as recognised by UWA and at least one year of the bachelor's degree is relevant to one or more learning areas in the Primary school curriculum.
Teaching (Secondary)	Completion of a bachelor's degree other than a Bachelor of Education, or an equivalent qualification, as recognised by UWA and a major relevant to secondary teaching curriculum majors offered by UWA ⁹
Translation Studies	Completion of a bachelor's degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Weighted Average Mark of 65%

NOTES:

- 1 If you do not have a scaled score of 50 or higher in Mathematics Methods ATAR, you will need to successfully complete additional mathematics study as part of your degree.
- 2 Prerequisite subjects may not apply to Commerce majors if being completed as a second major. Students without Mathematics may have a restricted choice of units in the Finance and Economics majors.
- 3 Unless otherwise stated, if you do not have a scaled mark of at least 50 in Mathematics Applications ATAR or higher, you will need to successfully complete additional Mathematics units during your first year.
- 4 Prerequisite subjects may not apply to all Science majors if being completed as a second major.
- 5 A number of Direct Places are available, providing a reserved place in the postgraduate course on the basis of Year 12 results. Check <http://www.studyat.uwa.edu.au/undergraduate/requirements/assured-entry-yr12> for details.

- 6 A Grade Point Average of 5.5 is equivalent to an overall subject average of approximately 65-70%. A Grade Point Average of 5.0 is equivalent to an overall subject average of approximately 60-65%.
- 7 A competitive selection process and additional selection criteria will apply. Undergraduate studies may be undertaken in any area. Some study of physics at Year 12 level and biology and chemistry at first-year university level is recommended.
- 8 A competitive selection process will apply. Additional selection criteria may apply.
- 9 An honours degree in Psychology at a satisfactory level is required for School Psychology majors.
- 10 A bachelor's degree in arts, social sciences, psychology, health sciences (including medicine, nursing, public health, and physiotherapy), education, and law may be considered.

ADDRESSES

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BENTLEY CAMPUS
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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
Kalgoorlie

EDITH COWAN UNIVERSITY

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

MURDOCH UNIVERSITY

Perth Campus
THE STUDENT CENTRE
South Street
MURDOCH WA 6150
Telephone: 1300 MURDOCH (1300 687 3624)
Online enquiries: ask.murdoch.edu.au
Web: www.murdoch.edu.au

Mandurah Campus (Peel)
THE STUDENT CENTRE
Education Drive
MANDURAH WA 6210
Telephone: 1300 MURDOCH (1300 687 3624)
Online enquiries: ask.murdoch.edu.au
Web: www.murdoch.edu.au

Rockingham Campus
THE STUDENT CENTRE
Dixon Road
ROCKINGHAM WA 6168
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