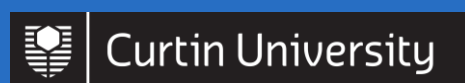


UNIVERSITY ADMISSION 2022

*Admission Requirements
for School Leavers
completing Year 12 In 2021*



TISC

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9.00am - 4.30pm
(Monday to Friday)

**This information is correct as at 20 June 2019.
Ensure that you access the TISC website (www.tisc.edu.au) regularly
to check for any updates.**

June 2019

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2022 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 20 June 2019 and is based on information provided by the participating universities and information available from the School Curriculum and Standards Authority (SCSA) at the time of publication.

This brochure applies to students who will be under 20 years of age on 28 February 2022 (ie those born on or after 1 March 2002). It is relevant only for admission in 2022 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 2021. 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 made in the weeks following the release of Year 12 results.

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 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 about the portfolio requirements and application process. 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 Experience Based Entry Scheme Pathway, you 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 at 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 the Future Students team on 134 328 or www.ecuworldready.com.au.

MEDIA AND CREATIVE 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. You must satisfy Murdoch's English requirement, as outlined below, and should apply through TISC but submit your portfolio 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, Biomedical Science, Commerce 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 minimum final school letter grade of C achieved 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).

In 2021, the TEA will be calculated by adding your 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 course counting more than once. You may use previous scaled scores back to 2017.
- 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 2017 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.

- In calculating the scaled score, equal weight is given to the final school mark and the final examination mark, except where courses 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 2021 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 or Dialect (EALD) 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 2021, 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

COURSES STUDIED ON A NON-SCHOOL BASIS

You may use results in courses sat on a non-school basis 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 ATAR 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, 2021 Year 12 students will be selected for admission to university in 2022 on the basis of their ATAR. However, some universities assign students who are eligible for alternative entry pathways a Selection Rank that is higher than their ATAR. For these students, selection into courses at the university concerned is based on this enhanced Selection Rank.

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 2022 admission, Curtin University has the StepUp to Curtin Entry Pathway, ECU has the ECU Access Pathway, Murdoch University has RISE 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.

For some university courses Selection Ranks are based on additional criteria as well as the ATAR. The criteria may include bridging/special course units, interviews, auditions, folio presentations, aptitude tests, fitness requirements, etc. Detailed information is available from the individual universities.

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.

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 2022. Additional requirements are also outlined.

CURTIN UNIVERSITY

The following list outlines the prerequisite and recommended ATAR courses for entry to Curtin courses in 2022. 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.

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 Actuaries Institute requires applicants to have a minimum ATAR/Selection Rank of 92.00.

³ Animal Production Systems ATAR, Applied Information Technology ATAR, Aviation 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 Animal Production Systems 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	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	Mathematics specialist ATAR, Biology 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	Mathematics Applications ATAR
Agribusiness (BAgribus)	Mathematics Applications ATAR	One Science ATAR course ³
Agribusiness (BAgribus) (Portfolio entry)	Mathematics Applications ATAR	One Science ATAR 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 ATAR 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	Mathematics Applications ATAR, Visual Art ATAR and Physics ATAR
Arts/Commerce (BA/BCom)	No prior study in a particular course is required	
Biochemistry (BSc)	At least Mathematics Applications ATAR and Chemistry ATAR	Mathematics Methods ATAR, Biology ATAR or Human Biology ATAR
Business Administration (BBA)	No prior study in a particular course is required	
Chemical Engineering/Chemistry (BEng/BSc)	Mathematics Methods ATAR and Chemistry ATAR, and at least one of the following courses: Physics ATAR or 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 or Engineering Studies ATAR	Mathematics Specialist ATAR
Chemistry (BSc)	At least Mathematics Applications ATAR and Chemistry ATAR	Mathematics Methods ATAR, Mathematics Specialist ATAR, Physics ATAR or Biology 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 or Engineering Studies ATAR	Mathematics Specialist ATAR
Coastal and Marine Science (BSc)	Mathematics Applications ATAR	One Science ATAR course ³

COURSE	PREREQUISITES	DESIRABLE
Commerce (BCom) <ul style="list-style-type: none"> • Accounting[#] • Advertising • Business Information Systems (Professional) • Business Information Technology (Professional) • Business Law[#] • Economics • Entrepreneurship • Event Management • Finance[#] • Human Resource Management • International Business • Logistics and Supply Chain Management • Management[#] • Marketing[#] • Property Development and Valuation • Public Relations • Tourism and Hospitality • Professional Human Resources Management The following majors can only be chosen as a part of select double major combinations: <ul style="list-style-type: none"> • Accounting Technologies • Banking • Financial Planning • Industrial Relations • Property • Taxation[#] Depending on which business area you choose, you can select a single or double major. [#] These majors are also offered at the Kalgoorlie campus	No prior study in a particular course is required	
Commerce (BCom) (Portfolio entry) Majors offered are the same as standard entry Commerce (BCom) above	No prior study in a particular course is required	
Commerce (BCom) – Online <ul style="list-style-type: none"> • Accounting • Business Law • Finance • Management • Marketing • Taxation (This major must be completed as part of a double major with Accounting.) 	No prior study in a particular course is required	
Computer Systems and Networking (BTech)	At least Mathematics Applications ATAR	Mathematics Methods ATAR or Mathematics Specialist ATAR
Computing (BSc)	At least Mathematics Applications ATAR	Mathematics Methods ATAR or Mathematics Specialist ATAR
Computing (BSc) (Portfolio entry)	At least Mathematics Applications ATAR	Mathematics Methods ATAR or Mathematics Specialist ATAR
Construction Management (BAppSc)	At least 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
Design (Animation and Game Design) (BDesign)	No prior study in a particular course is required	Design ATAR

COURSE	PREREQUISITES	DESIRABLE
Design (Animation and Games Design) (Portfolio entry) (BDesign)	No prior study in a particular course is required	Design ATAR
Design (Digital Design) (BDesign)	No prior study in a particular course is required	Design ATAR
Design (Digital Design) (Portfolio entry)	No prior study in a particular course is required	Design ATAR
Design (Fashion) (BDesign)	No prior study in a particular course is required	Design ATAR
Design (Fashion) (Portfolio entry) (BDesign)	No prior study in a particular course is required	Design ATAR
Design (Graphic Design) (BDesign)	No prior study in a particular course is required	Design ATAR
Design (Graphic Design) (Portfolio entry) (BDesign)	No prior study in a particular course is required	Design ATAR
Design (Photography) (BDesign)	No prior study in a particular course is required	Design ATAR
Design (Photography) (Portfolio entry) (BDesign)	No prior study in a particular course is required	Design ATAR
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	At least Mathematics Applications ATAR
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)	Applicants must satisfy the prerequisites for specific major(s) as noted below	
<ul style="list-style-type: none"> • Arts Education: Drama, Visual Arts, Media Production and Analysis 	No prior study in a particular subject is required	Mathematics Applications ATAR
<ul style="list-style-type: none"> • English Education 	No prior study in a particular subject is required	Mathematics Applications ATAR
<ul style="list-style-type: none"> • Humanities and Social Sciences Education: Economics, History, Geography, Politics and Law 	No prior study in a particular subject is required	Mathematics Applications ATAR
<ul style="list-style-type: none"> • Mathematics Education 	Mathematics Methods ATAR	Mathematics Specialist ATAR
<ul style="list-style-type: none"> • Science (Chemistry) Education 	Mathematics Applications ATAR and Chemistry ATAR	Physics ATAR and at least Mathematics Methods ATAR
<ul style="list-style-type: none"> • Science (Physics) Education (must be taken with a Mathematics minor teaching area) 	Mathematics Methods ATAR and Physics ATAR	Mathematics Specialist ATAR and Chemistry ATAR
<ul style="list-style-type: none"> • Science (Biology) Education 	Mathematics Applications ATAR	One Science ATAR course ⁴
<ul style="list-style-type: none"> • Science (Human Biology) Education 	No prior study in a particular course is required	Chemistry ATAR, Mathematics Applications ATAR and Human Biology ATAR or Biology ATAR
<ul style="list-style-type: none"> • Science (Psychology) Education 	No prior study in a particular course is required	Mathematics Applications ATAR and one Science ATAR course ⁴

COURSE	PREREQUISITES	DESIRABLE
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
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 • Mechanical • Mechatronic • Petroleum • Metallurgical • Mining 	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR or 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 or Engineering Studies ATAR	Mathematics Specialist ATAR
Environmental Science (BSc)	Mathematics Applications ATAR	Chemistry ATAR or Biology ATAR
Exercise, Sports and Rehabilitation Science (BSc)	No prior study in a particular course is required	Physical Education Studies ATAR, Mathematics Applications ATAR and Human Biology ATAR
Extractive Metallurgy (BSc)	At least 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	
Geography (BA)	No prior study in a particular course is required	Geography ATAR
Geophysics (BSc)	Mathematics Methods ATAR and Physics ATAR	Mathematics Specialist ATAR
Health Promotion (BSc)	No prior study in a particular course is required	One Science ATAR courses ¹
Health Promotion/Health and Safety (BSc/BSc)	No prior study in a particular course is required	One of the Science ATAR course ¹
Health Promotion/Nutrition (BSc)	Chemistry ATAR	Mathematics Applications ATAR
Health, Safety and Environment (BSc)	No prior study in a particular course is required	One Science ATAR course ¹
Health Sciences (BSc)	No prior study in a particular course is required	One Science ATAR course ¹
Health Sciences (BSc) (Portfolio entry)	No prior study in a particular course is required. For detailed information about this entry pathway, please visit Portfolio page.	One Science ATAR course ¹

COURSE	PREREQUISITES	DESIRABLE
History (BA)	No prior study in a particular course is required	Modern History ATAR or Ancient History ATAR
Human Biology Preclinical (BSc)	No prior study in a particular course is required	Chemistry ATAR, Mathematics Applications ATAR; and Human Biology ATAR or Biology ATAR
Industrial and Applied Mathematics (BSc)	Mathematics Methods ATAR	Mathematics Specialist ATAR
Industrial and Systems Engineering Major (BEng(Hon))	Mathematics Methods ATAR and one of the following: Physics ATAR, Chemistry ATAR, and Engineering Studies ATAR.	Mathematics Specialist ATAR
Interior Architecture (BAppSc)	No prior study in a particular course is required	
Interior Architecture (BAppSc) (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	
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	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	
Law/Psychology	No prior study in a particular course is required	Mathematics Applications 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	
Mechatronic Engineering/Computer Science (BEngHons/BSc)	Mathematics Methods ATAR and at least one of the following courses: Physics ATAR, Chemistry ATAR or Engineering Studies ATAR	Mathematics Specialist ATAR
Medical Imaging (BSc)	Physics ATAR and Mathematics Methods ATAR	Mathematics Specialist ATAR

COURSE	PREREQUISITES	DESIRABLE
Medicine/Surgery (MBBS)	Chemistry ATAR To be eligible to participate in the selection process all applicants are required to undertake the University Clinical Aptitude Test ANZ (UCAT). Applicants will be selected for interview based on their UCAT ANZ score and predicted ATAR.	One of the following courses: Mathematics Applications ATAR, Mathematics Methods ATAR, Mathematics Specialist ATAR
Mine and Engineering Surveying (BSc)	At least Mathematics Applications ATAR	Mathematics Methods ATAR
Mining (BSc)	At least Mathematics Applications ATAR and Chemistry ATAR or Physics ATAR	
Molecular Genetics and Biotechnology (BSc)	No prior study in a particular course is required	Chemistry ATAR, Mathematics Applications ATAR and Human Biology ATAR or Biology ATAR
Multidisciplinary Science (BSc)	At least Mathematics Applications ATAR	Mathematics Methods ATAR and one Science ATAR course ³
Multidisciplinary Science (BSc) (Portfolio entry)	At least Mathematics Applications ATAR	Mathematics Methods ATAR and one Science ATAR 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
Occupational Therapy (BSc)	Physical Education Studies ATAR or one Science ATAR course ¹	Human Biology ATAR, Physics ATAR, at least Mathematics Applications ATAR
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)	In order to enrol in this course, students need to have received a conditional letter of employment from St. John Western Australia as a Student Ambulance Officer. No prior study in a particular course is required. Applicants are required to meet University academic and English language entry standards. To be successful in the St John Western Australia recruitment process you will need to be a permanent resident or citizen of Australia with permanent on-going working rights, meet academic, personal and physical requirements and have a full unrestricted 'C' or 'CA' class driver's license (with a good driving history with no more than six demerit points at time of application or serious convictions within the last four years).	Human Biology ATAR
Pharmacy (BPharm(Hons))	Chemistry ATAR and Mathematics Applications ATAR	Human Biology ATAR or Biology ATAR
Physics (BSc)	Mathematics Methods ATAR and Physics ATAR	Chemistry ATAR and Mathematics Specialist ATAR
Physiotherapy (BSc)	One science ATAR course ¹	At least Mathematics Applications ATAR, Physical Education Studies ATAR, and Health Studies ATAR
Professional Writing and Publishing (BA)	No prior study in a particular course is required	

COURSE	PREREQUISITES	DESIRABLE
Speech Pathology (BSc)	One Science ATAR 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	Drama ATAR
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). To satisfy the prerequisite requirements, a minimum scaled score of 50 or more in the ATAR course is required. Additional non-Year 12 requirements are also outlined.

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>)		
<i>Data Science</i>	A final school letter grade of C or higher in Mathematics Methods ATAR (Year 11) or equivalent	
<i>Mathematics</i>	Mathematics Methods ATAR or equivalent	
<i>Physics</i>	Physics ATAR and 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		
<i>Data Science</i>	A final school letter grade of C or higher in Mathematics Methods ATAR (Year 11) 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	
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 (Associate Degree)	No prior study in a particular course is required	
Criminology and Justice (Bachelor Degree)	No prior study in a particular course is required	

COURSE	PREREQUISITES	DESIRABLE
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.	
Education (Secondary)	All 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	

COURSE	PREREQUISITES	DESIRABLE
Engineering Honours 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 Double Degrees Engineering / Commerce Engineering (Computer Systems) / Computer Science Engineering (Mechatronics) Honours / Technology (Motorsports) Engineering / Laws Engineering / Science	For all Engineering Degrees listed: Mathematics Methods ATAR and Physics ATAR or Engineering Studies ATAR or equivalents	Mathematics Specialist ATAR or equivalents
Engineering (Chemical) Honours	Mathematics Methods ATAR and Chemistry ATAR and Physics ATAR or Engineering Studies ATAR or equivalents	Mathematics Specialist ATAR or equivalents
Engineering Science	Mathematics Methods ATAR and Physics ATAR or Engineering Studies ATAR or equivalents	Mathematics Specialist ATAR or equivalents
Environmental Management	No prior study in a particular course is required	
Exercise and Sports Science	No prior study in a particular course is required	

COURSE	PREREQUISITES	DESIRABLE
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	
Laws	No prior study in a particular course is required	
Laws / Arts (<i>double degree</i>)	No prior study in a particular course is required	
Laws / Commerce (<i>double degree</i>)	No prior study in a particular course is required	
Laws / Criminology and Justice (<i>double degree</i>)	No prior study in a particular course is required	
Laws / Psychological Science (<i>double degree</i>)	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	
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	
Psychology	No prior study in a particular course is required	
Psychology and Counselling	No prior study in a particular course is required	

COURSE	PREREQUISITES	DESIRABLE
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>	A final school letter grade of C or higher in Mathematics Methods ATAR (Year 11) or equivalent	
<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>	A final school letter grade of C or higher in Mathematics Methods ATAR (Year 11) or equivalent	
<i>Mathematics</i>	Mathematics Methods ATAR or Mathematics Specialist ATAR or equivalents	
<i>Physics</i>	Physics ATAR and Mathematics: Methods ATAR or equivalents	
Science (Exercise and Sports Science) / Commerce (Sport Business) (double degree)	No prior study in a particular course is required	
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 (Associate Degree)	No prior study in a particular course is required	
Sport, Recreation and Event Management (Bachelor Degree)	No prior study in a particular course is required	
Sustainability	No prior study in a particular course is required	
Technology (Aeronautical)		Mathematics Methods ATAR and Physics ATAR or Engineering Studies ATAR or equivalents
Technology (Electronic and Computer Systems)		Mathematics Methods ATAR or equivalent
Technology (Engineering)		Mathematics Methods ATAR or equivalent

COURSE	PREREQUISITES	DESIRABLE
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 'make-up' units available in Chemistry, Mathematics and Physics for students who have not studied, or who have not performed well in, these courses 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
International Aid and Development	No specific courses
Japanese	No specific courses
Philosophy	No specific courses
Psychology (BA)	No specific courses
Social Futures **	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	No specific courses
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	No specific courses
Hospitality and Tourism Management	Mathematics Applications ATAR
Human Resource Management	No specific courses
Management	No specific courses

COURSE	RECOMMENDED
Marketing	No specific courses
Commerce/Entrepreneurship and Innovation	No specific courses
Commerce/Science **	Mathematics Applications, Chemistry ATAR
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
White Collar and Corporate Crime	No specific courses
Criminology/Arts (Psychology)	No specific courses
Criminology/Communication	No specific courses
Criminology/Global Security	No specific courses
Criminology/Science	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
Bachelor of Education in Secondary Teaching	
Advanced Mathematics	Mathematics Methods ATAR, Mathematics Specialist ATAR
Biology and Environmental Science	Biology ATAR, Mathematics Applications ATAR, Chemistry ATAR
Biology and Human Biology	Human Biology ATAR, Biology ATAR
Chemistry	Chemistry ATAR
Earth and Environmental Science	Mathematics Applications ATAR, Chemistry ATAR
English	English ATAR
Geography and Economics (HASS)	Geography ATAR, Economics ATAR
Health & Physical Education	Physical Education Studies ATAR, Human Biology ATAR
History (HASS)	History ATAR
Mathematics	Mathematics Methods ATAR, Mathematics Specialist ATAR

COURSE	RECOMMENDED
Physics	Physics ATAR
Politics (HASS)	Politics ATAR
Bachelor of Engineering (Hons)	
<ul style="list-style-type: none"> • Chemical and Metallurgical • Environmental Engineering • Electrical Power Engineering • Industrial Computer Systems Engineering • Instrumentation and Control Engineering • Renewable Energy Engineering 	Mathematics Methods ATAR, Mathematics Specialist ATAR, Physics ATAR
Engineering/Commerce **	Mathematics Methods ATAR, Mathematics Specialist ATAR, Physics ATAR
Engineering/Entrepreneurship and Innovation **	Mathematics Methods ATAR, Mathematics Specialist ATAR, Physics ATAR
Bachelor of Food Science and Nutrition **	
Food Science and Nutrition **	Mathematics Application ATAR, Chemistry ATAR, Biology ATAR
Bachelor of Global Security	
Global Security	No specific courses
Bachelor of Information Technology and Business**	
Information Technology and Business**	Mathematics Applications ATAR
Bachelor of International Business	
International Business	No specific courses
Bachelor of Laws	
Law	No specific courses
Law/Arts	No specific courses
Law/Arts (Psychology)	No specific courses
Law/Business	No specific courses
Law/Commerce	No specific courses
Law/Communication	No specific courses
Law/Criminology	No specific courses
Law/Global Security	No specific courses
Law/International Business	No specific courses
Law/Science	No specific courses
Law/Science (Psychology)	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 Applications ATAR, Chemistry ATAR, Human Biology ATAR, Biology ATAR

COURSE	RECOMMENDED
Biomolecular Technologies and Bioinformatics **	Mathematics Applications ATAR, Chemistry ATAR, Biology ATAR
Business Information Systems	Mathematics Applications ATAR
Chemistry	Mathematics Methods ATAR, Chemistry ATAR, Physics ATAR
Chiropractic Science and Clinical Chiropractic (BSc + BClinChiro)	Mathematics Applications ATAR, Chemistry ATAR, Physics ATAR, Human Biology ATAR, 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 Security and Forensics	Mathematics Applications ATAR
Engineering Technology	Mathematics Methods ATAR ⁴ , 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
Marine Biology	Mathematics Applications ATAR, Chemistry ATAR
Marine Science	Mathematics Applications ATAR, Chemistry ATAR
Mathematics and Statistics	Mathematics Specialist ATAR
Microbiology **	Mathematics Applications ATAR, Chemistry ATAR, Biology ATAR
Mobile and Web Application Development	No specific courses
Physics and Nanotechnology	Mathematics Specialist ATAR, Physics ATAR
Psychology (BSc)	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
Science/Laboratory Medicine (combined degree)	Chemistry ATAR, Mathematics Applications ATAR, Biology or Human Biology ATAR
Bachelor of Sport and Exercise Science	
Sport and Exercise Science	Physical Education Studies ATAR, Human Biology ATAR
Sport and Exercise Science/Graduate Diploma Clinical Exercise Physiology	Physical Education Studies ATAR, Human Biology ATAR
Sport and Exercise Science/Science (Psychology) (combined degree)	Mathematical Methods ATAR, Human Biology ATAR, Physical Education studies ATAR.
Enabling course	
OnTrack Enabling course	Completion of Year 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 2022. To satisfy the prerequisite requirements, a scaled score of 50 or more in the ATAR course is required.

If prerequisite courses have not been satisfied but other entry requirements have been met, an offer into the course will be given and 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.

The UWA course model allows students to take two majors, the first major being the degree specific major. Nearly any other major in any degree program can be studied as a second major alongside the degree specific major.

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	
Criminology ¹	No previous study in a particular course is required	
English and Literary 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	

Bachelor of Arts		
Major	Prerequisites	Recommended Courses
Linguistics	No previous study in a particular course is required	
Music Electronic Music and Sound Design	No previous study in a particular course is required	
Music General Studies	Complete an audition which will require demonstration of a musical background equivalent to Music ATAR or AMEB 5	
Music Specialist Studies	Complete an audition which will require demonstration of a musical background equivalent to Music ATAR or AMEB 7	
Music Studies	Complete an audition which will require demonstration of a musical background equivalent to Music ATAR or AMEB 5	
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 OR a mathematics unit taken in the first year.	Mathematics Methods ATAR
Anatomy and Human Biology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	
Biochemistry and Molecular Biology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units; and Chemistry ATAR or a chemistry unit taken in the first year.	Biology ATAR
Exercise and Health	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR
Genetics	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR
Humanities in Health and Medicine	Mathematics Applications ATAR OR a mathematics unit taken in the first year	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	

Bachelor of Biomedical Science

Major	Prerequisites	Recommended Courses
Microbiology and Immunology	Chemistry ATAR or a Chemistry unit taken in the first year	Mathematics Applications ATAR and Biology ATAR or Human Biology ATAR
Neuroscience	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR and Physics ATAR
Pathology and Laboratory Medicine	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR and Chemistry ATAR
Pharmacology	Mathematics Applications ATAR OR a mathematics unit taken in the first year.	Mathematics Methods ATAR and Chemistry ATAR
Physiology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR and Physics ATAR
Population Health	Mathematics Applications ATAR OR a mathematics unit taken in the first year.	Mathematics Methods ATAR
Science Communication	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR

Bachelor of Commerce ^{2, 3}

Major	Prerequisites	Recommended Courses
Accounting	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR
Business Law	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR
Economics	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR
Finance	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR
Human Resource Management	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR
Management	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR
Marketing	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR
Professional Economics	Mathematics Applications ATAR plus a mathematics unit in your first year	Mathematics Methods ATAR

Bachelor of Science

Major	Prerequisites	Recommended Courses
Agricultural Science	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units; and Chemistry ATAR or an additional chemistry unit taken in the first year.	
Anatomy and Human Biology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	

Bachelor of Science

Major	Prerequisites	Recommended Courses
Biochemistry and Molecular Biology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units; and Chemistry ATAR or a Chemistry unit taken in the first year.	Biology ATAR
Botany	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR
Chemistry	Chemistry ATAR or an additional Chemistry unit taken in the first year, Mathematics Methods ATAR OR Mathematics Applications ATAR with additional mathematics units taken in the first year	Mathematics Specialist ATAR, Mathematics Methods ATAR and Chemistry ATAR
Computer Science	Mathematics Methods ATAR OR Mathematics Applications ATAR with additional mathematics units taken in the first year	Mathematics Methods ATAR
Conservation Biology	Mathematics Methods ATAR OR Mathematics Applications with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR
Data Science	Mathematics Applications ATAR with a mathematics unit taken in the first year	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 courses	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 courses	Mathematics Specialist ATAR, Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR
Environmental Science	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units; and Chemistry ATAR or an additional chemistry unit taken in the first year	
Exercise and Health	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR
Genetics	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR
Geographical Sciences	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	

Bachelor of Science

Major	Prerequisites	Recommended Courses
Geology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	
Marine Science	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year	Chemistry ATAR
Mathematics and Statistics	Mathematics Specialist ATAR and Mathematics Methods ATAR OR Mathematics Methods ATAR with an additional mathematics unit taken in the first year	Mathematics Specialist ATAR and Mathematics Methods ATAR
Microbiology and Immunology	Chemistry ATAR or a chemistry unit taken in the first year	Mathematics Applications ATAR and Biology ATAR or Human Biology ATAR
Natural Resource Management	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	
Neuroscience	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR and Physics ATAR
Physics	Mathematics Specialist ATAR, Mathematics Methods ATAR and Physics ATAR OR Mathematics Methods ATAR and Physics ATAR, with an additional mathematics unit taken in the first year.	Mathematics Specialist ATAR Mathematics Methods ATAR and Physics ATAR
Physiology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	Chemistry ATAR and Physics ATAR
Psychological Science	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR
Psychology (Double Major)	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR
Science Communication	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR
Sport Science	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR
Sport Science, Exercise and Health (Double Major)	Mathematics Applications ATAR OR a mathematics unit taken in the first year	Mathematics Methods ATAR
Zoology	Mathematics Methods ATAR OR Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first year mathematics units.	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 course information. (Additional selection criteria may apply.)	

Direct Pathways ^{4, 5}

Area of study	Entry requirements
Architecture	Completion of a bachelor's degree, with a UWA weighted average mark of at least 60%.
Dentistry	Completion of a bachelor's degree, with a UWA Grade Point Average of at least 5.5
Engineering	Completion of a bachelor's degree with a major in Engineering Science, with a UWA weighted average mark of at least 50%.
Landscape Architecture	Completion of a bachelor's degree, with a UWA weighted average mark of at least 60%.
Law	Completion of a bachelor's degree, with a UWA Grade Point Average of at least 5.5 ⁶ , or a Weighted Average Mark of 65%.
Medicine	Completion of a bachelor's degree, with a UWA Grade Point Average of at least 5.5 ⁷ .
Pharmacy	Completion of a bachelor's degree, with a UWA Grade Point Average of at least 5.0 together with completion of certain prerequisite units ⁷ .
Podiatric Medicine	Completion of a bachelor's degree, with a UWA Grade Point Average of at least 5.0. Certain prerequisite units may be required.
Social Work	Completion of a relevant UWA bachelor's degree.
Translation Studies	Completion of a bachelor's degree, with a UWA Weighted Average Mark of 65% in the Level 3 units of a relevant major.

Popular Graduate Pathways

Area of study	Entry requirements
Agricultural Science	Completion of a bachelor degree with a relevant Major and a UWA Weighted Average Mark of at least 50% in your degree studies.
Applied Finance	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%.
Biological Science	Completion of a bachelor degree with a UWA Weighted Average Mark Major and an average of at least 50% in your degree studies.
Biomedical Science	Completion of a bachelor degree with a relevant Major and a UWA Weighted Average Mark of at least 50% in your degree studies.
Biotechnology	Completion of a bachelor degree with a relevant Major and a UWA Weighted Average Mark of at least 50% in your degree studies.
Business Analytics ¹	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%.
Business Information & Logistics Management	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%.
Commerce	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%.
Environmental Science	Completion of a bachelor degree with a relevant Major and a UWA Weighted Average Mark of at least 50% in your degree studies.
Forensic Anthropology	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 50%
Human Resources & Employment Relations	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%
International Relations	Completion of a bachelor degree with a relevant Major and a UWA Weighted Average Mark of at least 65% in level 3 units of a relevant major.
Marketing	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%.

Popular Graduate Pathways

Area of study	Entry requirements
Professional Accounting	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%
Public Policy	Completion of a bachelor degree with a UWA Weighted Average Mark of at least 60%
Taxation Law	Completion of a bachelor degree with a Business Law Major and a UWA Weighted Average Mark of at least 60% in your degree studies.
Teaching (Early Childhood)	Completion of a bachelor's degree other than a Bachelor of Education and at least one year of the bachelor's degree 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, and at least one year of the bachelor's degree 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, with a major relevant to secondary teaching curriculum majors offered by UWA ⁹ .

NOTES:

1. Subject to final approval.
2. If you do not have a scaled score of 50 or higher in Mathematics Methods ATAR, you will need to successfully complete mathematics units as part of your degree.
3. Prerequisite courses 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.
4. A number of Direct Pathway Places are available, providing entry into the relevant undergraduate course and a reserved place in the postgraduate course on the basis of Year 12 results. Check <http://www.studyat.uwa.edu.au/undergraduate/requirements/direct-pathways> for details.
5. 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%.
6. A competitive selection process will apply. Additional selection criteria may apply.
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 bachelor's degree in arts, social sciences, psychology, health sciences (including medicine, nursing, public health, and physiotherapy), education, and law may be considered.
9. An honours degree in Psychology at a satisfactory level is required for School Psychology majors.

ADDRESSES

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CURTIN PERTH CAMPUS
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PERTH WA 6845
Telephone: (08) 9266 7805
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
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.ecu.getready.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

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THE STUDENT CENTRE
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ROCKINGHAM WA 6168
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