



# Academic University Pathways

## Suggested Year 11 2023 Course Selections

### Australind Senior High School

WA Independent Public School

## WESTERN AUSTRALIAN UNIVERSITY ADMISSIONS

### General admission requirements for all Western Australian public universities

- Meet the Western Australian Certificate of Education (WACE) requirements as prescribed by the School Curriculum and Standards Authority (SCSA);
- Obtain a sufficiently high ATAR score to gain a place in the desired course;
- Achieve the selected university's requirement for English Language Competence;
- Satisfy any prerequisites or special requirements for preferred courses.

### Competence in English

Students usually demonstrate competence in English by achieving the prescribed standard in one of the following WACE courses: English, Literature or English as an Additional Language/Dialect (EALD).

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

It is recommended that contact is made directly to the universities for details about Alternative acceptance English tests.

### ATAR bonus for Languages other than English

A LOTE bonus of 10% of a LOTE scaled score is added to the aggregate of the best four scaled scores.

You receive the LOTE bonus irrespective of whether your LOTE course scaled score was counted as one of the best four.

### ATAR bonus for Mathematics

A Mathematics bonus of 10% of the scaled score for each of the 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 Methods ATAR and /or Specialist ATAR course scaled scores are counted as one of the best four.

# ALTERNATIVE UNIVERSITY PATHWAYS

## CURTIN UNIVERSITY

- Curtin UniReady enabling program
- Enabling Course in Science, Engineering and Health
- StepUp to Curtin entry and StepUp Bonus
- Portfolio Entrance
- Indigenous Tertiary Enabling Course

For more information, please contact Curtin Future Students Centre on 08 9266 1000 or email [futurestudents@curtin.edu.au](mailto:futurestudents@curtin.edu.au)

## EDITH COWAN UNIVERSITY (ECU)

### Portfolio Entry

Applications will be partially assessed prior to release of final results and applicants may be required to attend an interview. Applicants seeking entry via the Portfolio Entry Pathway should apply through TISC, but submit their Portfolio directly to ECU.

- University Preparation Pathway
- Indigenous University Orientation Course (IUOC)

Detailed information about the requirements for any of the above may be obtained from Student Recruitment on 134 328 or [www.reachyourpotential.com.au](http://www.reachyourpotential.com.au)

## MURDOCH UNIVERSITY

- Entry Awards
- Media and Creative Portfolio Entry
- On Track Sprint
- On Track
- Murdoch University Preparation Course
- Indigenous Programs

For more information see [www.murdoch.edu.au](http://www.murdoch.edu.au)

## UNIVERSITY OF NOTRE DAME AUSTRALIA

Admission to Norte Dame is by **direct application**, comprising of an application form and supporting documentation to the University. The selection process is based on personal qualities, motivation and academic potential, contribution to church, school and community life, academic records (including ATAR) and an interview. Students who do not meet the normal minimum entry requirements may consider the University's alternative entry, Foundation Year, as a stepping stone to the course of choice. For more information, contact the Fremantle Campus on (08) 9433 0533 or email [future@nd.edu.au](mailto:future@nd.edu.au)

## UNIVERSITY OF WESTERN AUSTRALIA (UWA)

- Broadway UWA
- Fairway UWA
- Provisional Entry Scheme
- UWay
- Enabling Pathways

For more information, contact the University Admissions Centre, Student Services Online enquiries: [www.ask.uwa.edu.au](http://www.ask.uwa.edu.au) or [www.studyat.uwa.edu.au](http://www.studyat.uwa.edu.au)

# SCHOOL LEAVERS WITH AQF / TAFE QUALIFICATIONS

## CURTIN UNIVERSITY

As a minimum, school leaver age applicants seeking entry via this pathway would be expected to have:

- successfully completed an AQF/TAFE Certificate IV
- achieved WACE
- met Curtin University of Technology's competence in English requirement.

For further information, contact the University's Admissions Office:

[admissions@curtin.edu.au](mailto:admissions@curtin.edu.au) or 08 9266 7805.

## EDITH COWAN UNIVERSITY (ECU)

Students who have:

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

## MURDOCH UNIVERSITY

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

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

## UNIVERSITY OF WESTERN AUSTRALIA (UWA)

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

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

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

## THE AUSTRALIAN TERTIARY ADMISSION RANK (ATAR)

The Australian Tertiary Admission Rank (ATAR) 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 marks in 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 WACE examination for that course.

The Average Marks Scaling process is used to scale marks obtained in a course.

## CALCULATION OF THE ATAR

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

The TEA will be calculated by adding the best four scaled scores plus 10% of that student's best LOTE scaled score and Mathematics Methods and /or Specialist scaled score based on many rules which you see on page 5 of the University Admission 2024 booklet.

## UNACCEPTABLE COURSE COMBINATIONS

Australind Senior High School does not offer any unacceptable combinations for calculating your ATAR.

If repeating Year 12 studies, you may have results from both courses but only one may be used to calculate your ATAR.

## 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 mark of 50 or more of a WACE course or in a past ATAR courses is required for prerequisites purposes, however, Mathematics prerequisites differ across university courses. See individual university course entries for more details.

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

For some university courses the special requirements may include bridging / special course units, interviews, auditions, folio presentations, manual dexterity tests, aptitude tests, fitness requirements, etc.

**Detailed information is available from the individual universities.**

# WACE REQUIREMENTS 2023 AND BEYOND

## GENERAL REQUIREMENTS

You must:

- demonstrate a minimum standard of literacy (reading and writing) and a minimum standard of numeracy,
- complete a minimum of 20 units, or equivalents,
- complete at least four Year 12 ATAR courses OR at least five Year 12 General courses and/or ATAR courses or equivalent OR a Certificate II (or higher) VET qualification in combination with ATAR, General or Foundation courses.

## BREADTH AND DEPTH

You must complete a minimum of 20 units, which may include unit equivalents attained through VET and/or endorsed programs. This requirement must include at least:

- a minimum of ten Year 12 units, or the equivalent,
- four units from an English course, post-Year 10, including at least one pair of Year 12 units from an English learning area course,
- one pair of Year 12 units from each of List A (Arts/Languages/Social Sciences) and List B (Mathematics/Science/Technology) subjects.

## LITERACY AND NUMERACY STANDARD

For the WACE literacy and numeracy standard you may:

- pre-qualify through achieving Band 8 or higher in the reading, writing and numeracy tests of the Year 9 National Assessment Program – Literacy and Numeracy (NAPLAN), or;
- demonstrate the minimum standard of literacy and numeracy by successfully completing the relevant components of the Online Literacy and Numeracy Assessment (OLNA) in Year 10, 11 or 12.

## ACHIEVEMENT STANDARD

You must achieve at least 14 C grades or higher (or equivalents) in Year 11 and Year 12 units, including at least six C grades (or equivalents) in Year 12 units.

## UNIT EQUIVALENTS

Unit equivalents can be obtained through VET qualifications and/or endorsed programs. The maximum number of unit equivalents available through VET and endorsed programs is four Year 11 units and four Year 12 units with a maximum of four units with endorsed programs – two in Year 11 and two in Year 12.

# ART – SOCIAL SCIENCE & HUMANITIES

## PATHWAY NAMES

- Architectural Science
- Asian Studies
- Community Development
- Fashion and Textile Design
- History
- Hospitality and Tourism Management
- Languages and Asian Culture
- Librarianship and Corporate Information Management
- Politics and International Studies
- Sociology
- Theology
- Counselling
- Global Politics & Policy
- Law
- Japanese
- Sustainable Development
- Philosophy
- English Creative Writing
- International Aid & Development
- Theatre & Drama
- Teaching
- Cultural Impact

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature  
Mathematics Applications

## OTHER ATAR COURSES RECOMMENDED

Modern History / Visual Arts / Psychology /  
Geography / Mathematics Methods

# ARCHITECTURE & CONSTRUCTION

## PATHWAY NAMES

- Architecture
- Sustainable Development
- Design
- City Planning
- Civil Engineering

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications or Mathematics Methods

Chemistry

Physics and/or Biology / Geography / Engineering Studies

***Note: UWA strongly recommend students to study Mathematics Methods for all of the above courses.***



# BUSINESS

## PATHWAY NAMES

- Business
- Commerce
- Accounting
- Economics
- Entrepreneurship & Innovation
- Finance
- Human Resource Management
- Business Law
- Hospitality & Tourism Management
- Marketing
- Sport, Recreation & Event Management
- Banking

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature  
Mathematics Applications or Mathematics Methods

## OTHER ATAR COURSES RECOMMENDED

Economics

# BIOLOGICAL SCIENCE & BIOTECHNOLOGY

## PATHWAY NAMES

- Biological Science
- Biotechnology
- Conservation & Wildlife Biology
- Forensic Biology & Toxicology
- Marine Science
- Molecular Biology

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications or Mathematics Methods

Chemistry / Physics/ Biology or Human Biology

***Note: UWA strongly recommend students to study Mathematics Methods for all of the above courses.***

# EDUCATION

## PATHWAY NAMES

- Early Childhood
- Primary Education
- Education (Primary to Secondary)
- Indigenous Studies
- Secondary Education
- Music
- Education / Creative Arts
- Education / Science
- Arts (Education)

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature  
Mathematics Applications

## OTHER ATAR COURSES RECOMMENDED

Own choice ATAR courses depending on specialisation at University.

***It is recommended students study Mathematics Methods or Mathematics Specialist if considering Mathematics teaching at university.***

# ELECTRICAL & PROCESS ENGINEERING

## PATHWAY NAMES

- Bioprocess Engineering
- Chemical Engineering
- Civil & Construction Engineering
- Metallurgical Engineering
- Aviation
- Engineering Technology
- Electrical Engineering
- Environmental Engineering
- Industrial Computer Systems Engineering
- Mechatronics Engineering
- Renewable Energy Engineering
- Motor Sports
- Instrumentation & Control Engineering

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature  
Mathematics Methods  
Mathematics Specialist  
Physics  
Chemistry  
Engineering Studies

# ENVIRONMENTAL SCIENCES

## PATHWAY NAMES

- Ecotourism
- Environmental Management
- Environmental Restoration
- Environmental Science
- Environmental Technology
- Health & Environment
- Planning
- Sustainable Development

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications or Mathematics Methods

Chemistry

## OTHER ATAR COURSES RECOMMENDED

Geography

Biology

Human Biology

# HEALTH SCIENCES

## PATHWAY NAMES

- Veterinary Science
- Dental Hygiene
- School Dental Therapy
- Environmental Health
- Food Science & Technology
- Health & Safety
- Health Promotion
- Nutrition
- Occupational Therapy
- Medical Imaging Science
- Medicine
- Animal Science
- Biomedical Science
- Chiropractic Science
- Nursing
- Psychology
- Social Work
- Sport Science
- Pharmacy
- Physiotherapy
- Exercise & Sport Science

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature  
Mathematics Methods  
Mathematics Specialist  
Chemistry  
Physics / Biology or Human Biology

## OTHER ATAR COURSES RECOMMENDED

Physical Education Studies

***Note: A higher Mathematics is recommended by certain universities.***

# INFORMATION TECHNOLOGY

## PATHWAY NAMES

- Business Informatics
- Business Information Systems
- Computer Science
- Cyber Forensics Security Management
- Games Software Design & Production
- Games Technology
- Internet Computing
- Internetworking & Security
- Information Technology
- Networking Science

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications or Mathematics Methods

Mathematics Specialist

## OTHER ATAR COURSES RECOMMENDED

Engineering Studies

***Note: Higher Mathematics is required by Curtin University & UWA.***

# LAW & CRIMINOLOGY

## PATHWAY NAMES

- Criminology
- Law
- Legal Studies
- Crime Science
- Criminal Behaviour
- Law in Business

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications / Mathematics Methods

## OTHER ATAR COURSES RECOMMENDED

Modern History

Geography

Economics



# MEDIA COMMUNICATION & CULTURE

## CREATIVE MEDIA & COMMUNICATION

### PATHWAY NAMES

- Australian Indigenous Studies
- Communication Technology & Policy
- Games Art & Design
- Gender & Cultural Studies
- Interactive Digital Design
- Screen & Sound
- Communication & Media Studies
- Journalism & Cultural Studies
- Media Studies
- Mass Communication
- Public Relations
- Broadcasting
- French
- Japanese

### YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications or Mathematics Methods

### OTHER ATAR COURSES RECOMMENDED

Modern History

Geography

# PHYSICAL SCIENCES & MATHEMATICS

## PATHWAY NAMES

- Astronomy
- Chemistry
- Mathematics & Statistics
- Mathematical Science
- Mineral Science
- Physics & Nanotechnology
- Sustainable Energy Management
- Financial Mathematics
- Genetics
- Human Movement & Exercise Science
- Marine & Coastal Management
- Pathology
- Microbiology
- Pharmacology
- Science
- Biochemistry

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature  
Mathematics Methods  
Mathematics Specialist (depending which pathway & university)  
Chemistry  
Physics

## OTHER ATAR COURSES RECOMMENDED

Economics

# NATURAL & AGRICULTURAL SCIENCE

## PATHWAY NAMES

- Agribusiness
- Agricultural Technology
- Sustainable Aquaculture
- Coastal Zone Management
- Viticulture
- Viticulture & Oenology
- Climate Studies
- Horticulture
- Land Rehabilitation
- Landscape Management
- Natural Resource Management
- Petroleum Geosciences
- Wildlife Management
- Genetics & Breeding

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications or Mathematics Methods (depending on which pathway you select to study)

Chemistry (depending on which pathway you select to study)

Physics (depending on which pathway you select to study)

## OTHER ATAR COURSES RECOMMENDED

Biology

***Note: The number of prerequisites taken will determine the number of own choices of any ATAR course.***

# SPORT, TOURISM & HOSPITALITY MANAGEMENT

## PATHWAY NAMES

- Event Sport & Recreation Management
- Hospitality Management
- Sport Management
- Surf Science & Technology
- Tourism Management

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature  
Mathematics Applications or Mathematics Methods

## OTHER ATAR COURSES RECOMMENDED

Human Biology  
Geography  
Physical Education Studies

# SECURITY

## PATHWAY NAMES

- Computer & Network Security
- Computer Security
- Counter Tourism Security
- Security
- Security & Justice Studies
- Security Management

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

Mathematics Applications or Mathematics Methods

# WESTERN AUSTRALIAN ACADEMY OF PERFORMING ARTS (WAAPA)

## PATHWAY NAMES

- Acting
- Arts Management
- Classical Performance
- Composition
- Contemporary
- Dance
- Jazz Performance
- Live Production Theatre & Events
- Live Production Theatre & Events (Costume)
- Live Production Theatre & Events (Sound)
- Music
- Performing Arts
- Stage Management
- Theatre (Aboriginal)

## YEAR 11 CORE RECOMMENDED COURSES

English or Literature

## OTHER ATAR COURSES RECOMMENDED

Music

Modern History

***Note: Prospective students will be required to apply through TISC and also the Academy admissions. Interviews, auditions and theoretical tests will be conducted. Students do not have to complete a course to be eligible to apply to the Academy***