Welcome to our community.

Whatever aspirations you may have, a degree from The University of Western Australia will equip you with the skills needed to succeed in our rapidly changing world. Our unique course structure allows you to design your own degree and prepares you for the careers of the future.

Join a community of like-minded people who seek to inspire progress and challenge the status quo. As the University’s new Vice-Chancellor, I encourage you to embrace the opportunities that lie ahead.

PROFESSOR DAWN FRESHWATER, VICE-CHANCELLOR

ACKNOWLEDGEMENT

The University of Western Australia acknowledges that it is situated on Noongar land and that Noongar people remain the spiritual and cultural custodians of their land and continue to practise their values, languages, beliefs and knowledge.
Write your future at UWA

Student exchange

Pathways to your career

Connecting you to industry

Direct Pathways

Architecture

Architecture, Landscape

Dentistry

Engineering

Law

Medicine

Pharmacy

Podiatric Medicine

Psychology

Social Work

Teaching, Early Childhood

Teaching, Primary

Teaching, Secondary

Translation Studies

Bachelor of Philosophy (Honours)

Choose a degree-specific major from any of the four undergraduate degrees.

Bachelor of Arts

Degree-specific majors

Anthropology and Sociology

Archaeology

Architecture (double major)

Asian Studies

Chinese

Classics and Ancient History

Communication and Media Studies

English and Cultural Studies

Fine Arts

French Studies

German Studies

History

History of Art

Human Geography and Planning

Indigenous Knowledge, History and Heritage

Indonesian

Italian Studies

Japanese

Korean Studies

Landscape Architecture

Law and Society

Linguistics

Music Studies

Music Specialist Studies

Political Science and International Relations

Philosophy

Psychology in Society

Psychology (double major)

Work and Employment Relations

Bachelor of Biomedical Science

Degree-specific majors

Aboriginal Health and Wellbeing

Anatomy and Human Biology

Biochemistry and Molecular Biology

Exercise and Health

Genetics

Medical Sciences

Microbiology and Immunology

Neuroscience

Pathology and Laboratory Medicine

Pharmacology

Population Health

Physiology

Science Communication

Bachelor of Commerce

Degree-specific majors

Accounting

Business Law

Economics

Professional Economics

Finance

Human Resource Management

Management

Marketing

Bachelor of Science

Degree-specific majors

Agricultural Science

Anatomy and Human Biology

Biochemistry and Molecular Biology

Botany

Chemistry

Computer Science

Conservation Biology

Data Science

Engineering Science

Environmental Science

Exercise and Health

Genetics

Geographical Sciences

Geology

Marine Science

Mathematics and Statistics

Natural Resource Management

Neuroscience

Physics

Psychology

Psychological Science (double major)

Quantitative Methods

Science Communication

Sport Science

Zoology

Entry pathways

Alternative entry pathways

Entry pathways for Indigenous students

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Scholarships and awards

Fees

Supporting you

Facilities

Design your future

Unit structure

Student exchange partner universities

2017 Future Students events

Uni terminology

Course major index
Write your future at UWA

Globally recognised course structure
aligned with leading European, Asian, and North American universities

Internationally recognised
Ranked in the world’s Top 1% and 1st in Western Australia (ARWU 2016)

UWA alumni become world leaders
Nobel Laureate Professor Barry Marshall
Mecca Cosmetica founder Jo Horgan
CEO Greenpeace Australia Pacific David Ritter
Former prime minister Bob Hawke
and many more...

5 stars+ for research, teaching, internationalisation, specialist criteria, employability, facilities, innovation, inclusiveness (QS Stars University Ratings)

1st in Australia for graduate starting salary (Good Universities Guide 2017)

Ranked in the world’s TOP 50
- Earth and Marine Sciences
- Agriculture and Forestry
- Anatomy and Physiology
- Psychology
- Performing Arts
- Mineral and Mining Engineering
- Civil and Structural Engineering (QS 2017)

Gain valuable experience by volunteering with Guild Volunteering

Well-established industry partnerships

Globally recognised course structure aligned with leading European, Asian, and North American universities

Internationally recognised
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5 stars+ for research, teaching, internationalisation, specialist criteria, employability, facilities, innovation, inclusiveness (QS Stars University Ratings)

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Ranked in the world’s TOP 50
- Earth and Marine Sciences
- Agriculture and Forestry
- Anatomy and Physiology
- Psychology
- Performing Arts
- Mineral and Mining Engineering
- Civil and Structural Engineering (QS 2017)

Gain valuable experience by volunteering with Guild Volunteering

Well-established industry partnerships
Experience art and culture in the Cultural Precinct

Enjoy a vibrant student life

5 colleges close to campus

Join one of 125+ clubs and societies

Study with friends at our refurbished libraries

Learn a new sport or join a team with UWA Sport

Enjoy great food and coffee at one of our many cafés

The University of Western Australia | 2018 Undergraduate Course Guide 5
Student exchange

Do you love to travel? As a UWA student you have the opportunity to discover new cities and experience other cultures with the UWA Student Exchange Program. You can study at one of our partner universities across Asia, Europe, or North and South America for one or two semesters while continuing to gain credit towards your UWA degree.

Financial assistance:
If you’re interested in an exchange program, you could be eligible to receive a UWA Study Abroad Scholarship to help with the cost of your exchange. You can also apply for a UWA Overseas Study Loan up to $6,567 to help with your costs while away.
**Academic benefits**

- Take subjects related to your degree which aren’t available at UWA.
- Study at other universities that are also international leaders in their chosen research fields.

**Employment benefits**

- Offer a competitive edge in the international workforce.
- Show employers you are flexible, adventurous and a self starter.
- Gain invaluable experience for future employment through vacation internships offered by some universities.

**Personal benefits**

- Travel within your host country and further afield with local or other international students.
- Meet people from around the globe and develop new friendships.
- Increase your independence and confidence.
- Contribute to, and work within, the international community.

**A network of opportunities**

The following list illustrates the countries and number of universities available for student exchange.

- Austria: 2
- Belgium: 2
- Brazil: 1
- Canada: 15
- Chile: 1
- China: 13
- Denmark: 4
- Finland: 2
- France: 11
- Germany: 9
- Hong Kong: 4
- Ireland: 1
- Israel: 2
- Italy: 4
- Japan: 11
- Malaysia: 1
- Netherlands: 7
- New Zealand: 1
- Norway: 6
- Reunion: 1
- Singapore: 3
- South Korea: 6
- Spain: 3
- Sweden: 4
- Switzerland: 3
- Thailand: 1
- UK: 22
- Uruguay: 1
- US: 28

*See page 87 for the full list of universities*
Pathways to your career

Your first degree (also referred to as an undergraduate degree) will give you the practical skills and knowledge needed to commence your career.

Bachelor of Arts
Possible career fields:
• Architecture
• Advertising
• Communications
• Fine Arts
• Landscape Architecture
• Media
• Politics
• Public Relations

Bachelor of Biomedical Science
Possible career fields:
• Epidemiology
• Genetics
• Microbiology
• Pathology
• Pharmacology

Bachelor of Commerce
Possible career fields:
• Accounting
• Banking
• Economics
• Finance
• Human Resource Management
• Marketing

Bachelor of Science
Possible career fields:
• Agribusiness
• Biology
• Geology
• Research and Development
• Sport Science
• Zoology

Upon completion of your undergraduate degree, you can go on to obtain your next degree. This degree is known as a postgraduate degree and strengthens your credentials and future career opportunities. You can also study a professional qualification at postgraduate level.

Connecting you to industry

At UWA you’ll not only receive a world class degree, you’ll also have the opportunity to gain valuable experience to prepare you for your future career. Some degrees require you to complete professional placements, but we also provide the chance for you to gain experience in the workplace, even if your qualification doesn’t call for it.

Our extensive employer engagement and collaborations provide you with practical, real-world experiences in addition to valuable professional networking opportunities.

These partnerships enable you to take part in a number of activities including:
• for-credit placements / practicums as part of your degree
• not-for-credit work experience
• volunteering opportunities through Guild Volunteering
• service learning units
• internships with the McCusker Centre for Citizenship
• vacation programs
• Career Mentor Link - a program which matches you with a professional so that you can benefit from your mentor’s industry knowledge and career experience.
• work placements for professional accreditation

This hands-on learning approach is highly valued by employers and ensures you’re career-ready.

Our Careers Centre is also here to help you design your future, supporting you with employability skills workshops, employer and networking events, career fairs, online jobs board, mentoring and more.

careers.uwa.edu.au
Direct Pathways

If you have a professional career in mind, take advantage of one of our Direct Pathways. A Direct Pathway gives you an assured place in one of our postgraduate professional courses. The pathways combine a range of undergraduate and postgraduate courses, providing you with a clearer direction to your career of choice.

Master of Professional Engineering (Mining)

Emma Guerini

“The Direct Pathway into Engineering was the perfect choice for me. It made the transition from my bachelor’s degree to the Master of Professional Engineering (MPE) seamless, while also giving me the flexibility to complete a second major in Geology.

My favourite part about studying Mining Engineering at UWA has been the opportunity to get involved in the industry early. For me, this started out with field trips to various mine sites, completing my practicum in a fly-in, fly-out role and becoming a member of the Australasian Institute of Mining and Metallurgy (AusIMM) Student Chapter. I have now been on the committee of the Student Chapter for two years, during which I’ve had the opportunity to meet industry professionals, attend conferences, compete in the Mining Games in Montana and Brisbane, and travel to Sweden as part of the AusIMM/Atlas Copco Scholarship.

Overall my experience as an MPE student has been both fun and valuable to my career as an incoming graduate engineer. The experienced lecturers, real-life design and research projects, industry exposure and opportunities to get involved in extracurricular activities really set UWA apart from other universities.”

uwa.edu.au/direct-pathways
Direct Pathways

Faculty of Arts, Business, Law and Education

Architecture Pathway

Minimum ATAR 92.00

<table>
<thead>
<tr>
<th>Undergraduate Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Architecture</td>
<td>Master of Architecture</td>
<td>5 years</td>
<td>Bachelor of Arts</td>
</tr>
</tbody>
</table>

Landscape Architecture Pathways

Minimum ATAR 92.00

<table>
<thead>
<tr>
<th>Undergraduate Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Landscape Architecture</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td>Bachelor of Arts, Biomedical Science, Commerce or Science</td>
</tr>
<tr>
<td>2. Option, another UWA major</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td>Master of Landscape Architecture</td>
</tr>
<tr>
<td>1. One Biomedical Science major</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td>2. Landscape Architecture</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td>1. One Commerce major</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td>2. Landscape Architecture</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td>1. One Science major</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td>2. Landscape Architecture</td>
<td>Master of Landscape Architecture</td>
<td>5 years</td>
<td></td>
</tr>
</tbody>
</table>

Law Pathways

Minimum ATAR 97.00

<table>
<thead>
<tr>
<th>Undergraduate Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. One Arts major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td>Bachelor of Arts, Biomedical Science, Commerce or Science</td>
</tr>
<tr>
<td>2. Option, another UWA major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td>Juris Doctor (JD)</td>
</tr>
<tr>
<td>1. One Biomedical Science major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td></td>
</tr>
<tr>
<td>2. Option, another UWA major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td></td>
</tr>
<tr>
<td>1. One Commerce major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td></td>
</tr>
<tr>
<td>2. Option, another UWA major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td></td>
</tr>
<tr>
<td>1. One Science major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td></td>
</tr>
<tr>
<td>2. Option, another UWA major</td>
<td>Juris Doctor</td>
<td>6 years</td>
<td></td>
</tr>
</tbody>
</table>
### Early Childhood Teaching Pathways

Minimum ATAR 92.00

<table>
<thead>
<tr>
<th>Undergraduate Majors</th>
<th>Postgraduate Qualification</th>
<th>Duration</th>
</tr>
</thead>
</table>
| 1. One Arts major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Early Childhood) | 5 years  |
| 1. One Biomedical Science major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Early Childhood) | 5 years  |
| 1. One Commerce major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Early Childhood) | 5 years  |
| 1. One Science major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Early Childhood) | 5 years  |

### Primary Teaching Pathways

Minimum ATAR 92.00

<table>
<thead>
<tr>
<th>Undergraduate Majors</th>
<th>Postgraduate Qualification</th>
<th>Duration</th>
</tr>
</thead>
</table>
| 1. One Arts major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Primary) | 5 years  |
| 1. One Biomedical Science major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Primary) | 5 years  |
| 1. One Commerce major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Primary) | 5 years  |
| 1. One Science major (as advised by the Graduate School of Education)  
2. Option, another UWA major          | Master of Teaching (Primary) | 5 years  |
### Secondary Teaching Pathways

Minimum ATAR 92.00

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>1. One Arts major (as advised by the Graduate School of Education)</td>
<td>Master of Teaching (Secondary)</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Option, another UWA major</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biomedical Science</td>
<td>1. One Biomedical Science major (as advised by the Graduate School of Education)</td>
<td>Master of Teaching (Secondary)</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Option, another UWA major</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce</td>
<td>1. One Commerce major (as advised by the Graduate School of Education)</td>
<td>Master of Teaching (Secondary)</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Option, another UWA major</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>1. One Science major (as advised by the Graduate School of Education)</td>
<td>Master of Teaching (Secondary)</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Option, another UWA major</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Translation Studies Pathway

Minimum ATAR 90.00

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>1. Chinese, German, French or Italian</td>
<td>Master of Translation Studies</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Option, another UWA major</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Faculty of Science

#### Psychology Pathways

Minimum ATAR 95.00

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>1. Psychology (double major)</td>
<td>4 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bachelor of Arts, Psychology Honours</td>
</tr>
<tr>
<td>Science</td>
<td>1. Psychology (double major)</td>
<td>4 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bachelor of Science, Psychology Honours</td>
</tr>
</tbody>
</table>
### Faculty of Health and Medical Sciences

#### Social Work Pathways

**Minimum ATAR 92.00**

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>1. One Arts major&lt;br&gt;2. Option, another UWA major</td>
<td>Master of Social Work</td>
<td>5 years</td>
<td>Bachelor of Arts, Biomedical Science, Commerce or Science</td>
</tr>
<tr>
<td>Biomedical Science</td>
<td>1. One Biomedical Science major&lt;br&gt;2. Option, another UWA major</td>
<td>Master of Social Work</td>
<td>5 years</td>
<td>Bachelor of Social Work</td>
</tr>
<tr>
<td>Commerce</td>
<td>1. One Commerce major&lt;br&gt;2. Option, another UWA major</td>
<td>Master of Social Work</td>
<td>5 years</td>
<td>Bachelor of Social Work</td>
</tr>
<tr>
<td>Science</td>
<td>1. One Science major&lt;br&gt;2. Option, another UWA major</td>
<td>Master of Social Work</td>
<td>5 years</td>
<td>Bachelor of Social Work</td>
</tr>
</tbody>
</table>

### Dentistry Pathways

**Minimum ATAR 99.00**

**Broadway/Rural Minimum ATAR 96.00**

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>1. One Arts major&lt;br&gt;2. Medical Sciences</td>
<td>Doctor of Dental Medicine</td>
<td>6 years</td>
<td>Bachelor of Arts, Biomedical Science, Commerce or Science</td>
</tr>
<tr>
<td>Biomedical Science</td>
<td>1. Medical Sciences&lt;br&gt;2. Option, another UWA major</td>
<td>Doctor of Dental Medicine</td>
<td>6 years</td>
<td>Bachelor of Dental Medicine</td>
</tr>
<tr>
<td>Commerce</td>
<td>1. One Commerce major&lt;br&gt;2. Medical Sciences</td>
<td>Doctor of Dental Medicine</td>
<td>6 years</td>
<td>Bachelor of Dental Medicine</td>
</tr>
<tr>
<td>Science</td>
<td>1. One Science major&lt;br&gt;2. Medical Sciences</td>
<td>Doctor of Dental Medicine</td>
<td>6 years</td>
<td>Bachelor of Dental Medicine</td>
</tr>
</tbody>
</table>
## Medicine Pathways

Minimum ATAR 99.00

Broadway/Rural Minimum ATAR 96.00

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>1. One Arts major 2. Medical Sciences</td>
<td>Doctor of Medicine</td>
<td>6 years</td>
<td>Bachelor of Arts, Biomedical Science, Commerce or Science</td>
</tr>
<tr>
<td>Biomedical</td>
<td>1. Medical Sciences 2. Option, another UWA major</td>
<td>Doctor of Medicine</td>
<td>6 years</td>
<td>Doctor of Medicine</td>
</tr>
<tr>
<td>Commerce</td>
<td>1. One Commerce major 2. Medical Sciences</td>
<td>Doctor of Medicine</td>
<td>6 years</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>1. Medical Sciences 2. Option, another UWA major</td>
<td>Doctor of Medicine</td>
<td>6 years</td>
<td></td>
</tr>
</tbody>
</table>

## Podiatric Medicine Pathways

Minimum ATAR 94.00

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>1. One Arts major 2. Medical Sciences</td>
<td>Doctor of Podiatric Medicine</td>
<td>5 years</td>
<td>Bachelor of Arts, Biomedical Science, Commerce or Science</td>
</tr>
<tr>
<td>Biomedical</td>
<td>1. Medical Sciences 2. Option, another UWA major</td>
<td>Doctor of Podiatric Medicine</td>
<td>5 years</td>
<td></td>
</tr>
<tr>
<td>Commerce</td>
<td>1. One Commerce major 2. Medical Sciences</td>
<td>Doctor of Podiatric Medicine</td>
<td>5 years</td>
<td>Doctor of Podiatric Medicine</td>
</tr>
<tr>
<td>Science</td>
<td>1. One Science major 2. Medical Sciences</td>
<td>Doctor of Podiatric Medicine</td>
<td>5 years</td>
<td></td>
</tr>
</tbody>
</table>
### Pharmacy Pathways

**Minimum ATAR 94.00**

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
</table>
| Arts          | 1. One Arts major  
                2. Medical Sciences | Master of Pharmacy | 5 years | Bachelor of Arts, Biomedical Science, Commerce or Science |
| Biomedical Science | 1. Medical Sciences  
                             2. Option, another UWA major | Master of Pharmacy | 5 years | |
| Commerce      | 1. One Commerce major  
                2. Medical Sciences | Master of Pharmacy | 5 years | |
| Science       | 1. Medical Sciences  
                2. Option, another UWA major | Master of Pharmacy | 5 years | |

### Faculty of Engineering and Mathematical Sciences

**Engineering Pathways**

**Minimum ATAR 92.00**

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Majors</th>
<th>Postgraduate</th>
<th>Duration</th>
<th>Qualification</th>
</tr>
</thead>
</table>
| Arts          | 1. One Arts major  
                2. Engineering Science | Master of Professional Engineering | 5 years | Bachelor of Arts, Biomedical Science, Commerce or Science |
| Biomedical Science | 1. One Biomedical Science major  
                             2. Engineering Science | Master of Professional Engineering | 5 years | |
| Commerce      | 1. One Commerce major  
                2. Engineering Science | Master of Professional Engineering | 5 years | |
| Science       | 1. Engineering Science  
                2. Option, another UWA major | Master of Professional Engineering | 5 years | |

---

**Bachelor of Philosophy (Honours)**

Bachelor of Philosophy (Honours) students can study any of these pathways.  
Contact our Future Students team on 08 6488 3939 for more information on admission requirements and course duration.
Simon Thuijs
Bachelor of Philosophy (Honours) graduate
The Bachelor of Philosophy (Honours) is a challenging and research-oriented four-year degree. The course offers an innovative curriculum with an individually designed academic program, focusing on your chosen area of specialisation.

In addition to innovative research project work, the course includes a scholarship-supported study abroad experience, academic mentoring, high-level communications training, professional skills development and an on-campus residential experience prior to the start of first semester (usually in the week prior to orientation).

This highly competitive course is unique in Western Australia and represents an exciting and distinctive experience for high-achieving students.

Why study the Bachelor of Philosophy (Honours)?

The Bachelor of Philosophy (Honours) course ensures you develop high-level research and communication skills that prepare you for the challenges of achieving the highest international standards of excellence. While many graduates will choose to pursue further studies or a career in research, the intensive focus of the degree on developing analytical, teamwork and communication skills will ensure you are highly employable upon graduation.

What can I study?

The Bachelor of Philosophy (Honours) gives you the freedom to choose a major from any field of study within Arts, Biomedical Science, Commerce or Science. It is an integrated honours degree with research embedded throughout the four-year course and the opportunity to learn a language.

The Summer Residence, held prior to the start of your first semester, is an integral part of the course and is designed to introduce you to the academic expectations of this degree as well as give you the opportunity to meet other students in the course.

In your first semester, you will complete the first-level unit – Global Challenges, Research and Leadership – and take part in a group research project. This forms the basis of your subsequent research training.

Throughout your course you will participate in collaborative and interdisciplinary research projects, work closely with a research mentor from your chosen field of study, develop your own research project with an academic supervisor, present your research orally, produce a research dissertation, undertake an overseas study experience, and have the opportunity to meet international research leaders visiting the University.

Entry requirements

Entry to this course is extremely competitive. The entry requirement for this course is an Australian Tertiary Admission Rank (ATAR) of at least 98.00 in most cases, supplemented by some special admission pathways, and places are limited. Before nominating your degree-specific major (and second major where relevant) you must have satisfied any specified prerequisites for the major (see pages 19 to 61 for detailed descriptions and prerequisites of majors).

The Summer Residence is a requirement of this course and all students are expected to attend.

Beyond your Bachelor of Philosophy (Honours)

Graduates will have a wealth of opportunities upon graduation. You can choose to complete postgraduate study by coursework and/or research, including courses leading to professional qualifications, or may prefer to enter the workforce directly after completing your undergraduate degree.

study.uwa.edu.au/bphil
Bachelor of Arts

Bachelor of Arts (Honours) graduate
Charlotte Guest

“I studied Literature at UWA because I believe, to paraphrase Wittgenstein, that we live within the limits of language. Language mediates the ways we interpret the world around us and navigate through it. The University of Western Australia was a natural choice of university as many stalwart Australian writers have passed through its doors: Dorothy Hewett, Fay Zwicky, Randolph Stow, Lucy Dougan, Paul Hetherington, and Elizabeth Jolley are just a few examples.

My degree equipped me with the skills to enter the world of words: I now work at UWA Publishing making and promoting books of cultural value, and, in my spare time, am a writer. I have been fortunate enough to work with authors I studied in my undergraduate degree and greatly admire. My debut collection of poetry, Soap, is forthcoming with Recent Work Press in September 2017.

I could not have achieved any of this without the expertise, tutelage and support of UWA academics and colleagues.”

study.uwa.edu.au/arts
**Anthropology and Sociology**

Are you fascinated by society and human experience? Media, religion, art and politics are just some of the areas you will explore as you seek to better understand people and our society.

Anthropology and Sociology includes the topics of religions, politics, kinship, gender, education, health, migration, landscapes and the media. This major incorporates the study of the cultures, institutions, social behaviours, economies and systems of meaning of all human societies. As a student you’ll investigate cultural theories and a range of studies on behaviours and beliefs that are used to explore the great diversity of past and present human societies.

**Career opportunities**

A major in Anthropology and Sociology lays the foundation for careers in mining and Indigenous issues both in Australia and overseas, social welfare, law, physical and mental health, environmental problem solving and assessment, urban planning, education, development, foreign aid and agricultural development.

**Recommended subjects**

None

**Prerequisite subjects**

None

“I found Anthropology and Sociology with its study of cultures and people highly engaging and relevant and a great complement to my other major.”

**Justin Pereira**

studyat.uwa.edu.au/anthropology

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**Archaeology**

From the Ancient Greeks to the Neanderthals, learn about past human societies through their material remains. Archaeology is of crucial significance for the understanding of Australia’s past as the only discipline able to study the nearly 60,000 years of human settlement on this continent.

The analytical and practical elements of the discipline are taught within laboratory and field work units which are held annually for two or three weeks. These are in combination with specialist units on rock art, Indigenous archaeology, historical archaeology, European prehistory, the origins of humans and archaeological heritage.

**Career opportunities**

Archaeologists are in great demand from government departments, the mining and resources industries and other organisations both in Australia and overseas. They are either employed by these organisations directly or they work as private consultants. Examples of other career prospects are in museums as curators and researchers, or in the education sector.

**Course structure information**

See page 74

**Prerequisite subjects**

None

**Recommended subjects**

None

“The most memorable part of my course would be the field work opportunities, ranging from excavations to assess archaic biodiversity, to excavations on colonial settlements. The number and diversity of possible field work options at UWA is excellent.”

**Daniel Werndly**

studyat.uwa.edu.au/archaeology
Architecture (double major)

Architecture is the conceptualisation and design of built forms in response to economic, social and technological needs and desires.

An undergraduate major in Architecture prepares you for postgraduate studies by introducing you to a range of technologies and production methods that encourage you to imagine design outcomes and their applications. You’ll make investigations into design communication, sustainable design and relevant historical, theoretical and ethical aspects of architecture. At the end of your degree you’ll be able to use your creative and rational inquiry to analyse and provide solutions to design problems.

Career opportunities
With further study, a major in Architecture can lead to a career in architecture, urban design, architectural drafting, architectural education/academia or government policy. You could work in architectural and urban design practice, city and regional planning, government agencies, higher education, property development and architectural illustration and modelling.

80 MINIMUM ATAR

Recommended subjects
None

Prerequisite subjects
None

Course structure information
See page 75

Minute of Interest

“I viewed architecture and design as a beautiful collaboration between logic, creativity and problem solving. This interested me highly and since then I have been exposed to ideas that exceeded my vision.”

Rohan Golestani

Interested in becoming an architect?
Set your career path in motion with an Architecture Direct Pathway. See page 10.

studyat.uwa.edu.au/architecture

Asian Studies

Asia is home to two-thirds of the world’s population and some of the most dynamic and fascinating societies on the planet. From cultures, history and politics, through to religion, gender and environmental issues, you can explore the issues facing Australia’s nearest neighbours.

This major introduces you to the many cultures, societies and politics of Asia including China, Indonesia and Japan. It explores the impact of the great religions such as Buddhism, Hinduism and Islam, and investigates the dramatic changes that colonialism and revolutions have brought to the people of the region.

Career opportunities
Graduates with a good understanding of Asian cultures, societies and languages are in short supply. Employment prospects exist in Australia and in the rising economies of Asia. Many employers, including human rights organisations, education providers, tourism operators, media organisations, DFAT, the World Bank and the United Nations, employ graduates with an Asia-related academic background.

80 MINIMUM ATAR

Recommended subjects
None

Prerequisite subjects
None

Course structure information
See page 75

“I find it particularly fascinating looking into the cultural aspects of societies. Asian Studies looks at the culture, political space and history of the states within Asia so I chose Asian Studies for this reason.”

Georgia Watterson

Interested in becoming an architect?
Set your career path in motion with an Architecture Direct Pathway. See page 10.

studyat.uwa.edu.au/asian-studies

studyat.uwa.edu.au
Chinese

More than one billion people globally speak Chinese (Mandarin), making it the most widely-spoken language in the world. Study Chinese and open up doors to an exciting international career.

The Chinese major, catering for all language levels from complete beginner to native speaker, develops language skills, cultural literacy and knowledge of China. The classes focus on practical everyday Chinese (reading, writing, speaking and listening) with an emphasis over time on engaging with real-life situations and authentic texts.

Career opportunities
There is a growing demand for graduates with knowledge of Chinese and China. Graduates find careers in state and federal government departments, including Defence and Foreign Affairs and Trade and in commercial enterprises with a China focus. Opportunities may also be pursued at a global level with institutions such as the World Bank and United Nations. Teaching of Chinese as a second language can also be considered.

Interested in becoming a translator? 
Set your career path in motion with a Translation Studies Direct Pathway. See page 12.

studyat.uwa.edu.au/chinese

Classics and Ancient History

UWA is the only university in Western Australia where you can study Classics and Ancient History.

This major combines the languages, literature, history, art and archaeology of the ancient Greek and Roman civilisations to give you a holistic picture of this vibrant and eternally relevant era. These two cultures lie at the very foundation of the modern world and we are surrounded by their legacy: from the Olympic Games to the alphabet, from democracy to Christianity and from theatre to the rule of law.

Career opportunities
A major in Classics and Ancient History equips you for a wide range of careers including secondary and tertiary education, (with appropriate further studies), government departments, the media, and public and private sectors in the arts and culture.

“I’m very passionate about ancient history and recently joined the committee for the UWA Classics Society. We organise events throughout the year and provide tutoring for students taking Ancient History units.”

Christina Gorevski

studyat.uwa.edu.au/classics

“Found Chinese to be an elegant language with a rich cultural history and a growing importance in today’s society.”

Parris McLaughlin
Communication and Media Studies

Communication and Media Studies is one of the most exciting and rapidly evolving areas of study in today’s media-driven world.

What we know of the world and how we act in it is critically related to our use of communication technologies, from language to screen, and from text to social networks. Explore the theory and practice of journalism, the media, film making, multimedia, the web, computer games and other forms of communication. This major provides you with practical communication skills along with essential theoretical knowledge and includes training in the use of the latest digital multimedia technology.

Career opportunities
Graduates are highly sought after in areas such as journalism, the media, advertising, public relations, multimedia, public administration, marketing, government and education.

Recommended subjects
None

Prerequisite subjects
None

Course structure information
See page 76

English and Cultural Studies

Do you like books, movies, television, theatre and poetry?

The English and Cultural Studies major takes imagination seriously. You’ll explore the creative texts that societies produce and learn what they mean. From Shakespeare to Netflix, and from critical theory to creative writing, English and Cultural Studies offers a rich range of units to build your major. At the heart of English and Cultural Studies is language. And language is the central domain of human experience.

Career opportunities
English and Cultural Studies graduates are highly successful in obtaining careers in teaching, management, journalism, advertising, public service and in all aspects of the cultural life of our society. Many graduates proceed to specialised training in one of the professions such as law, psychology, librarianship, education, publishing, journalism, industrial relations or theatre and media work.

Recommended subjects
None

Prerequisite subjects
None

Course structure information
See page 78

“I enjoy the practical units in this major, such as digital media, where we get to learn how to use professional filming equipment. Another interesting unit is Game Design where our task is to make a board game.”

Elizabeth Nguyen

“English and Cultural Studies has always been of great interest to me, and I enjoy the depth and breadth the area affords.”

Edward Leman
Fine Arts

Fine Arts is the creative exploration of ideas and the formation of concepts within the unique imaginative field of making art.

This major presents a variety of choices for you to develop your creative media skills and capacity to apply critical thinking to studio exploration. You’ll undertake a series of studio-based explorations that develop your ideas into art. Units, methods and approaches to art-making form a major that is based on critical thinking.

Career opportunities

UWA Fine Arts graduates are employed in influential positions within Australia and internationally in professions such as entrepreneurial artists, curators, designers, film makers, musicians, academics, writers, journalists, editors and publicists. They also work in areas of gallery management, arts administration, cultural festival coordination, corporate public relations, marketing, communication and policy research.

Recommended subjects

None

Prerequisite subjects

None

Course structure information

See page 78

French Studies

Studying French, ‘la langue de l’amour’, is an experience which will open your mind to different cultures and enrich you with knowledge of history.

Beyond achieving high levels of competency in speaking, writing, listening to and reading the French language, you will also learn about French culture in France and around the world. This major caters for students at all levels, from beginners through to native speakers. During the course, you will also study past and present French literature, films and popular culture, providing you with a holistic and stimulating cultural and educational experience.

Career opportunities

European language graduates are well qualified for careers in the diplomatic services, teaching and training, interpreting and translating, as well as a range of careers in travel, hospitality, publishing, theatre, commerce, manufacturing, law and international relations. Knowledge of a foreign language is particularly helpful for career prospects in international banking, journalism and communications and the arts.

Recommended subjects

None

Prerequisite subjects

None

Course structure information

See page 78

Interested in becoming a translator?

Set your career path in motion with a Translation Studies Direct Pathway. See page 12.

Gabriella Loo

“It felt like a very instinctual decision for me to follow a practical and creative study path. After graduating I aim to launch creative storytelling workshops for Indigenous youth in the Pilbara.”

Nadia Mohiuddin

studyat.uwa.edu.au/fine-arts

studyat.uwa.edu.au/french
German Studies

Delve into Berlin, wider Germany and the Germanic-speaking world when you become fluent in speaking, writing, listening to and reading German, one of the most widely spoken languages in Europe.

This major offers a wide perspective as it considers the culture and history of German-speaking people, not only in Germany, Austria and Switzerland but across the globe. The major caters for students at all levels, from beginners through to native speakers. You will also explore social history and culture from the many centuries of German literary tradition prose, poetry and drama, music, film and advertising.

Career opportunities
European language graduates are well qualified for careers in the diplomatic services, teaching and training, interpreting and translating, as well as a range of careers in travel, hospitality, publishing, theatre, commerce, manufacturing, law and international relations. Knowledge of a foreign language is particularly helpful for career prospects in international banking, journalism and communications and the arts.

Recommended subjects: None
Prerequisite subjects: None
Course structure information: See page 80

History

Wars, revolutions, conflicts and diasporas, nations, empires, economies, cultures, emotions and people. In History, there are no questions that are off limits.

Uncover the deep causes of events such as the American Revolution or the First World War, and discover how women and men experienced the medieval world or the colonisation of Australia. History introduces you to the complexities involved in these pursuits and requires you to use both imagination and reason. You’ll judge historical interpretations and pit your own interpretation against those of others.

Career opportunities
Most History graduates find careers in which they can use their skills in research, critical analysis and written communication such as historical research and writing, teaching, journalism, librarianship and archival management, government agencies, museums, cultural heritage and tourism, business administration, politics and publishing.

Recommended subjects: None
Prerequisite subjects: None
Course structure information: See page 80

Interested in becoming a translator?
Set your career path in motion with a Translation Studies Direct Pathway. See page 12.

“History is a fascinating subject as the past is constantly in flux, awaiting a new perspective and opinion to change academic thought.”
Katharine Worth

studyat.uwa.edu.au/history

studyat.uwa.edu.au/german
Human Geography and Planning

Human geography and planning are the essential disciplines for understanding the complexities of cities and regions and guiding their sustainable development.

This major provides core knowledge for creating liveable communities, vibrant economies and sustainable places. It addresses significant real-world problems facing society including globalisation, rapid urbanisation, ageing populations, homelessness, land use conflict, cultural diversity, regional planning, economic development, and ecological sustainability. The major includes field work trips and an opportunity to participate in overseas residential field work in a variety of destinations.1

Career opportunities
Planners and geographers are employed by local and state governments and in the private sector in areas including regional development, public administration, public policy, social research, teaching and property and land development.

Graduates with this major are also employable internationally, helping solve social, economic and environmental problems in other parts of the world.

1 Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees.

studyat.uwa.edu.au/human-geog-planning

History of Art

Understanding the history of art enables students to explore in detail the ongoing significance of art as a platform for shaping and interpreting the world in which we live.

Discover ideas and practices that challenge your preconceptions of the history of art in exciting and surprising ways with this major. You’ll have the opportunity to study historical and contemporary art across a range of visual forms from famous artworks to caricatures, from shop window displays to exhibition designs, from films to photography and from advertising campaigns to maps.

Career opportunities
Graduates with a History of Art major are well equipped to enter a range of careers. Many graduates go on to careers connected in some way with the arts, such as arts administrators, curators, museum administrators, gallery directors, art historians, art conservators and arts festival administrators.

studyat.uwa.edu.au/art-history
Indigenous Knowledge, History and Heritage

How do Indigenous people view the world? How does Indigenous knowledge inform the world around us?

The Indigenous Knowledge, History and Heritage major allows you to explore the worldview and historical experiences of Indigenous peoples in Australia, as well as critically analyse Western disciplinary constructs around Indigenous knowledge and peoples. The major comprises a multidisciplinary program that provides you with the opportunity to learn about the history, culture and philosophy of Indigenous peoples in Australia. This major is taught in an interactive manner and you will engage with Indigenous people, Elders in the community and guest speakers.

Career opportunities
The broad skills base and adaptable approach of graduates from this major are highly valued in areas such as legal and human rights organisations, government departments, business and industry, education, trade and tourism, health and the environment, and native title and cultural heritage.

studyat.uwa.edu.au/indigenous-knowledge

Indonesian

Indonesian is the national language of our nearest neighbour and the world’s fourth-largest country. The cultural diversity and tropical ecology makes Indonesia one of the most enjoyable countries in which to study, travel and work.

A major in Indonesian enables you to achieve a high level of fluency in the language and learn about the unique culture and history of the country. As well as learning how to speak, read and write Indonesian, you will have the exciting opportunity to spend a semester studying at an Indonesian university.

Career opportunities
Knowledge of Indonesian language, culture and social norms is in demand by state and federal government departments as well as commercial enterprises investing in Indonesia, the media, education, tourism and the hospitality industry.

studyat.uwa.edu.au/indonesian
Italian Studies

Learn ‘la bella lingua’. Studying Italian language and culture opens up the fascinating world of contemporary Italy, its rich cultural heritage and the links between Italy and Australia.

Gain a richer understanding of the arts, music, design, architecture, opera and food by learning Italian: a language considered by many to be the most beautiful language in the world. This major teaches you high levels of competence in speaking, writing, listening to and reading Italian. It also offers a wide perspective on Italian culture, not only the culture and history of Italy itself, but Italian-speaking communities around the world, including Australia.

Career opportunities
European language graduates are well qualified for careers in areas that involve interpersonal and communication skills, such as in travel, hospitality, publishing, theatre, commerce, international relations, the diplomatic services, teaching and interpreting and translating. Knowledge of a foreign language has helped graduates secure jobs in international banking, journalism and communications and the arts.

Prerequisite subjects
None

Recommended subjects
None

Course structure information
See page 81

Interested in becoming a translator?
Set your career path in motion with a Translation Studies Direct Pathway. See page 12.

studyat.uwa.edu.au/italian

Japanese

Japanese popular culture has spread throughout the world and Japan continues to be a major international economic player.

Knowledge of the Japanese language, culture and society offers you a passport to one of Asia’s most important centres of culture and business. As the language of one of Australia’s major trading partners, there is a high demand for graduates with knowledge of Japan and Japanese. The major caters for beginners and for students who have studied Japanese to Year 12 level or equivalent. You will also have the opportunity to use UWA’s traditional Japanese Tatami room for conversation practice.

Career opportunities
Graduates with a major in Japanese can find employment in federal and state government departments as well as a wide range of private companies and community organisations. The combination of Japanese with a major in another discipline (such as anthropology, economics, geography, history, industrial relations and politics) is becoming particularly attractive to employers.

Prerequisite subjects
None

Recommended subjects
None

Course structure information
See page 81

“Italian is a beautiful language and I have loved learning it here at UWA. I definitely feel learning a language will improve my career opportunities.”

Broderick Moncrieff

“Japanese is a beautiful language and I have loved learning it here at UWA. I definitely feel learning a language will improve my career opportunities.”

Calvin Rokich

studyat.uwa.edu.au/japanese
Korean Studies

Learn to speak and write Korean while exploring Korean societies, politics and culture and developing an understanding of the two Koreas’ place in the world.

The Korean Studies major combines learning the language with the study of Korean-related subjects in various disciplines. As South Korea (Republic of Korea) is an increasingly important trading partner of Western Australia, graduates with good Korean linguistic and socio-cultural skills are highly sought after in the Australian job market.

Career opportunities
Graduates can find jobs in the private and public sectors, in positions where language and cultural expertise is required. They are also employed by state and federal government departments (including Defence, Immigration and Citizenship, Foreign Affairs and Trade), commercial enterprises, tourism, public sector and cultural organisations, NGOs and the media industry. You could also pursue academia or teaching.

studyat.uwa.edu.au/korean

Landscape Architecture

Landscape Architecture involves all aspects of landscape and land use planning, design and management and the restoration and rehabilitation of disturbed environments.

You’ll develop methods for designing and managing outdoor spaces that are exciting, functional and attractive to the communities that interact with them. You’ll also develop essential skills in critical thinking, providing you with a strong foundation in the practical, as well as theoretical, art of landscape design.

Career opportunities
Landscape Architecture provides a wide range of employment options including working as a landscape architect, environmental consultant, urban designer, landscape architectural draftsperson, an environmental manager, a government policy adviser, a landscape architecture educator or academic. You could work in landscape architectural or urban design practice, city and regional planning and conservation agencies.

studyat.uwa.edu.au/landscape-architecture
Law and Society

How do law and society relate to, and change, each other? How does law actually work in the real world? Is the law the same thing as justice?

This major examines the impact law and social policy has on our lives, both nationally and globally. You will explore a variety of fascinating issues while developing skills in understanding, applying and critiquing socio-legal concepts and issues. With its focus on the social dimensions of law, this major perfectly complements a wide range of studies, including politics, communications, sociology, culture, economics or anthropology.

Career opportunities
Graduates pursue varied careers in the private, non-profit and public sectors, including law-related policy and research roles in law reform and justice agencies, law-relevant fields like management and human resources, media and communications, industrial relations, human rights, social services and legal support. Students can study at honours or postgraduate level, including the Juris Doctor (JD).

Recommended subjects
None

Prerequisite subjects
None

Course structure information
See page 82

The Law and Society major offers an insight into what law is all about. The units are engaging and interesting, and the tutors and lecturers give first-hand experience into the legal profession."

Marwat Sallehi

studyat.uwa.edu.au/law-society

Linguistics

Linguistics is the study of the nature of human language and communication. It covers all aspects of language, including structure, diversity, how languages change over time, how people learn and make use of it to communicate, and how it affects power in relationships.

You’ll have the opportunity to work on a variety of linguistic topics including grammatical descriptions and dictionaries of Australian Aboriginal languages, analysis of Australian English and Romance languages, the study of meaning in language and the relation between language and society.

Career opportunities
A major in Linguistics provides a foundation for any career that involves language or languages, human social organisation and culture, or the human mind. In addition to research careers, graduates go on to hold careers in language teaching, speech therapy, journalism and broadcasting, translation and interpreting, Indigenous education and support work and information technology, among other areas.

Recommended subjects
None

Prerequisite subjects
None

Course structure information
See page 82

“Studying Linguistics has shown me how complex and abstract language is, and given me an appreciation of how incredible it is that we learn and use it so easily every day. The lecturers and tutors are always there to assist students and their passion is definitely contagious.”

Emily Taplin

studyat.uwa.edu.au/linguistics
Music Studies

Develop your artistic and creative skills while gaining a broad grounding in music.

This major sees you develop expertise and skills in the areas of performance or composition, harmony and aural, Western art music history and popular world music. Many students combine this major with another area of study. As a result you will have the experience of studying alongside students from diverse backgrounds, creating a dynamic and engaging learning environment. Students wishing to specialise in performance, composition or musicology should consider taking the Music Studies major concurrently with the Music Specialist Studies major.

Career opportunities

The breadth of communication, musical, analytical, written and research skills that students acquire are desirable in a wide range of professions. Some graduates may pursue careers as professional performing musicians while others may gain employment in areas of performance, teaching, composing, arranging, arts management, journalism and community music.

Recommended subjects

Music ATAR

Prerequisite subjects

Audition to demonstrate a musical background equivalent to Music ATAR

Course structure information

See page 83

Music Specialist Studies

Whether you love performing or composing, Music Specialist Studies equips you with the skills for a career in the music profession.

This major provides you with a rigorous, high-quality tertiary music education and an intensive concentration in a chosen area of specialisation: performance, composition or musicology. This major can only be taken by Bachelor of Arts or Bachelor of Philosophy (Honours) students concurrently enrolled in the Music Studies major.

Career opportunities

Graduates pursue careers in a range of areas including the creative and performing arts, music education, the entertainment industry and associated fields. Many graduates have careers as performing musicians, either with an orchestra, an ensemble, as conductors or composers, or a combination of these. Others go on to become music administrators, music or arts managers, music journalists or librarians.

Recommended subjects

Music ATAR

Course structure information

See page 83

Prerequisite subjects

Audition to demonstrate a musical background equivalent to Music ATAR

studyat.uwa.edu.au/music

studyat.uwa.edu.au/specialist-music

“My favourite aspect of studying at UWA is studying music with people who are as passionate as I am. I think that makes for a community where I can thrive.”

Joshua Van Zuylen

“l love playing percussion and couldn’t imagine a life without it. The music staff and lecturers are very encouraging and inspiring which makes UWA a great environment to learn in.”

Carissa Soares

studyat.uwa.edu.au
Political Science and International Relations

Societies can only continue to exist if they solve the problem of internal order and are able to protect themselves from external threats.

The Political Science and International Relations major focuses on how societies govern themselves and the collective decisions or public policies they need, or choose, to make. The major explores the ways in which states and peoples interact with other states, regional or global political organisations, and social movements in an increasingly interdependent world.

Attention is given to the different ways government is organised; values such as liberty, participation, majority rule and minority rights which inform political institutions and public policy; and ideologies such as conservatism, liberalism, socialism, feminism and environmentalism.

“I chose Political Science and International Relations because it gave me the opportunity to learn about the complexity of the international system and the factors that help shape a country’s relationships with its neighbours.”

Mehdi Nawa

studyat.uwa.edu.au/political-science

Career opportunities
Graduates are not only found in political parties, ministers’ offices and parliament, but many also pursue careers in Commonwealth or WA public services including the Department of Foreign Affairs and Trade. Others enter journalism or a wide range of organisations in Australia and internationally, or use their training as a basis for further study in law, education, social work, communications and other areas.
Philosophy

The study of philosophy tackles some of the biggest questions in life while teaching you the crucial skills of thinking critically, writing clearly and reading carefully. The questions explored include ‘what is justice?’, ‘how do we know things?’, ‘what does it mean to be conscious?’, ‘what is truth?’ and many more.

Studying Philosophy teaches you to distinguish between good and bad arguments and to formulate considered positions on contentious issues. It teaches you the critical thinking skills fundamental to success in every field. This major makes an excellent combination with more vocational programs of study including Law, Medicine, Computer Science, Business, and Psychology.

Career opportunities
In business, the public service and the not-for-profit sector, Philosophy graduates can be found in challenging areas such as strategic planning, where their conceptual and analytic skills and the ability to interpret the big picture are highly valued. With a growing awareness of corporate, medical and environmental ethics, students who specialise in ethics have the opportunity to work in these areas.

Course structure information
See page 84

Prerequisite subjects
None

Recommended subjects
None

Psychology in Society

How do groups communicate? Can panic be controlled? How do attitudes to alcohol consumption develop? Psychology allows you to explore how and why people behave the way they do.

The Psychology in Society major helps you build a scientific understanding of human behaviour and its underlying psychological processes. The major has a particular emphasis on developmental psychology, social psychology, intelligence and personality and abnormal psychology.

Career opportunities
Career opportunities are varied as graduates are prepared for an occupation in which knowledge of human behaviour, psychological measurement techniques, and experimental design and data analysis is valuable. Possible careers could be in business, teaching, market research, welfare and politics. To become a psychologist, students are required to complete the Psychology double major.

Course structure information
See page 85

Prerequisite subjects
None

Recommended subjects
None

“I love the passion the tutors and lecturers show in educating us and I love how we get the opportunity to study a broad range of aspects of psychology; everything from neuroscience, to industrial and organisational psychology.”

Kathryn Somerville

“Tackling some of the most fundamental questions in our world has truly developed my critical thinking skills and helped me think more clearly about my own opinions, beliefs and choices.”

Jasper Twigg

studyat.uwa.edu.au/philosophy

studyat.uwa.edu.au/psychology-in-society
Psychology (double major)\(^1\)

Are you interested in how we identify objects, recognise faces, perceive motion, remember and think?

A Psychology double major helps you develop a scientific understanding of human thoughts and behaviours, the psychological processes underlying these and the relationship of these processes to brain function. The major also makes you eligible to apply for honours in psychology to complete an Australian Psychology Accreditation Council accredited four-year program which can lead to provisional registration as a psychologist or applications for postgraduate study in psychology.

### Career opportunities
Gradsuates are prepared for an occupation in which knowledge of human behaviour, psychological measurement techniques, and experimental design and data analysis is valuable. This double major can also lead to further study and professional qualifications in psychology. An accredited four-year degree is required by the Psychology Board of Australia for provisional registration as a psychologist. For specialist training, a professional postgraduate qualification must be completed.

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Work and Employment Relations

Blend politics, law, sociology, economics, history and more as you investigate and challenge the policies and institutions designed to help both employers and employees get the most out of their relationship.

This major focuses on the dynamics of workplace relations between employers and employees, as well as the wider impact of employment relations on the economy, society and politics. You will study how work is organised, the way employees are managed, the role of unions, how cooperation and negotiation can be developed, and how conflict can emerge and be managed.

### Career opportunities
The Work and Employment Relations major is beneficial for those aspiring to work in a management position in the private or government sector, for a union, or for those wishing to become involved in industrial law.

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\(^1\) This major is only available within the Bachelor of Arts, Bachelor of Science or Bachelor of Philosophy (Honours). Students cannot choose to study a second major with the Psychology double major and it is not available as a second major.
Initially I wasn’t too sure what career path to go down. I found Population Health and Management both led to a number of career options and really complemented each other. The further into my degree I got, the more I realised the changing demands of the Australian health system and the need for strong leadership and management within the health sector.

The Population Health major has many practical components and provided great networking and career development opportunities. I was sponsored to attend the 2016 Model World Health Organisation Conference at Melbourne University as a delegate, and the School of Population Health also paired me with an alumni mentor who worked as a consultant with Deloitte.

I’m currently completing a two-year graduate program with the South Western Sydney Local Health District. Over these years I’ll have placements in corporate governance, clinical governance, finance and human resource management. The District is also sponsoring me to complete a master’s degree in Health Service Management.

I believe UWA produces well-educated, confident graduates who are passionate about solving real-world problems and it has a great environment for fostering future leaders. Studying Population Health and Management at UWA has truly set me apart from other graduates, while providing me with a first-class education.”

study.uwa.edu.au/biomedical-science
Aboriginal Health and Wellbeing

Gain a broad introduction to health and wellbeing from an Aboriginal perspective as well as a deeper appreciation of the underlying issues that influence health and wellbeing from historical, cultural, environmental, political and spiritual perspectives.

The Aboriginal Health and Wellbeing major provides you with a solid foundation on the issues that influence the health and wellbeing of Aboriginal people, families and communities in Australia. You’ll also gain an understanding of particular health problems within Aboriginal communities; their impacts; and knowledge of the strategies, policies and practices that have been implemented.

Career opportunities
Graduates are prepared for careers in Aboriginal health research, policy, management and practice in Aboriginal and government contexts. You could also choose to pursue studies at honours or postgraduate level.

Recommended subjects
Mathematics Methods ATAR

Course structure information
See page 74

Courseat.uwa.edu.au/aboriginal-health

Anatomy and Human Biology

Discover how your body works, why it works that way, where people come from and how we are related to one another. You’ll explore what it means to be human in an integrative way, combining studies of the biology and behaviour of human beings with current social and ethical issues.

This major provides you with a solid foundation for understanding your body and its response to the world around you from both biological and social perspectives. Topics include human functional anatomy, reproduction, genetics, embryology and growth, microscopic structures of cells and tissues, structure and function of the nervous system, ecology, behaviour and biosocial interactions.

Career opportunities
Graduates wanting a career in research find jobs in areas such as sleep science, assisted reproductive technologies, pharmaceutical training and neuroscience. Opportunities exist as scientists in commercial organisations, as cultural advisers or in sales associated with these types of organisations, in public science education, in museums and in the media.

Recommended subjects
Mathematics Methods ATAR

Course structure information
See page 74

Courseat.uwa.edu.au/anatomy

“I find joy in knowing I am dedicating my entire life’s work to not only closing the health gap but helping future generations of Aboriginal people live healthier lives.”

Onike Williams

“Learning about the human anatomy has allowed me to appreciate the human body and broaden my horizons of potential research. Furthermore, it has reinforced the love and dedication I have for future medical studies.”

Jason Chua

This major is also available through a Bachelor of Science

studyat.uwa.edu.au/anatomy

studyat.uwa.edu.au/aboriginal-health
The health industry is a vital part of Australian life with professional graduates playing a key role, through policy and practice, across all life stages.

A major in Exercise and Health allows you to have a significant impact within this industry’s development and research, giving satisfaction and direction to anyone passionate about health and exercise along with opportunities to contribute positively to society within the health domain. You will develop your understanding and skills in how and why we move, and how exercise can impact our health.

This major is available through a Bachelor of Science. Availability as a first major in the Bachelor of Biomedical Science is subject to final approval.

Career opportunities

Graduates may find a career in a range of areas including research institutes, universities, CSIRO, hospitals, the healthcare industry, the pharmaceutical industry, general and scientific sales, food manufacturing, government and advisory services, biotechnology, teaching in schools and universities, or diagnostic services in medicine and agriculture.

Course structure information

See page 78

Prerequisite subjects

Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects

None

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“I chose to study Exercise and Health because I enjoy learning about the body and its capabilities. The lecturers are so knowledgeable and approachable and are always there to help or have a chat about their sporting pursuits. It’s such a unique opportunity and privilege to be taught by former Olympians and other world-class athletes.”

Jessica Moore

studyat.uwa.edu.au/exercise-health

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“Biochemistry underpins all life on earth and to study in depth how organisms are made up and function from a molecular and reaction-based point of view is fascinating.”

Reuben Lemmes

studyat.uwa.edu.au/biochemistry
Genetics

Genetics is the study of biologically inherited traits as diverse as those that cause human disease, allow a rare plant to live in a single isolated location or result in a desirable characteristic of a domestic animal used in agriculture.

This major provides you with a broad overview of the universal principles, potentials and problems associated with DNA-based life. You’ll learn how traits are inherited, how genetic processes control development and diseases, and how and why genomes are studied.

Career opportunities
This major is your pathway to a global career as a geneticist. A geneticist can be a researcher in medicine, molecular biology and genetics; a physician who has specialised training in genetics; a genetic counsellor; a plant or animal breeder; an ecologist or have a career in pharmacology and various other specialities.

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

Course structure information
See page 79

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Medical Sciences

Medical Sciences integrates knowledge of how the human body functions, how it reacts to disease and pharmacological treatment for disease, with the skills needed to enter a range of clinical and academic health professions.

Developed with leading clinical practitioners and educators, this major equips students with a strong foundation in medical sciences. Through the integration of theory and practical laboratory experiments, you’ll develop critical skills and knowledge across pre-clinical scientific disciplines. A Medical Sciences major may reduce the length of your professional postgraduate degree.

Career opportunities
This major provides you with thorough knowledge of anatomy, biochemistry, microbiology, pathology, genetics, pharmacology, population health and physiology. This is easily applied to potential postgraduate education pathways in health and science and numerous career paths. Graduates will have careers that span research, education, health administration and policy, and clinical practice.

Interested in a clinical career?
Set your career path in motion with a Direct Pathway. See pages 13-15.

Quota restrictions apply for this course. February intake only.

Recommended subjects
Mathematics Methods ATAR

Course structure information
See page 83

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree and Chemistry ATAR or a Chemistry unit may be required as part of your degree
Microbiology and Immunology

Microbiology covers a range of fields from immunology, which studies how the body’s immune system protects itself from infectious disease, to microbial genetics and genetic engineering.

Through this major you’ll receive a thorough grounding in the scientific basis of the discipline and its applications in the real world. Your studies can be applied in areas as diverse as medicine, food spoilage, control of environmental pollution and space science. As a graduate, you will be eligible for a membership of Australian Society for Microbiology (ASM), the national scientific and employment body of the profession.

Career opportunities
Opportunities exist in the healthcare industry, pharmaceutical industry, hospitals and biomedical research institutes, environmental science, the mining industry, biotechnology companies, private laboratories and the Commonwealth Serum Laboratories. Other options include research and clinical positions in public health, agricultural, veterinary and university laboratories and the CSIRO.

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Course structure information
See page 83

“Studying Microbiology and Immunology has opened up a broad range of career opportunities that I never thought to pursue. There are many laboratory experiments that enable you to analyse and culture your own bacteria, which is an engaging and rewarding experience.”

Rainbow Teo

studyat.uwa.edu.au/microbiology

Neuroscience

How do we process sensory stimuli? How do medical conditions like Alzheimer’s disease, deafness, dementia and depression afflict the brain and nervous system? Neuroscience investigates the answers to these questions and all areas of the nervous system.

The Neuroscience major looks at concepts in human and experimental neuroscience, introducing you to research techniques and providing a solid background on what we know about the normal and abnormal/injured brain. You will learn about the nervous system at all levels, from the transfer of information from one nerve cell to another, to the complexities of how behaviour, thought and emotions are produced.

Career opportunities
Neuroscience is a diverse, multidisciplinary science and graduates will be well suited to a range of employment destinations including research and clinical laboratories, government agencies and science communication.

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Course structure information
See page 83

“This neuroscience helped me understand what the current limits of our understanding of the brain are and where it could lead us in the future.”

Harrison Thomas

This major is also available through a Bachelor of Science

studyat.uwa.edu.au/neuroscience

studyat.uwa.edu.au/microbiology

studyat.uwa.edu.au/neuroscience

38 study.uwa.edu.au
Pathology and Laboratory Medicine

Pathology and Laboratory Medicine can be considered the basis of modern scientific medical knowledge and plays a critical role in evidence-based medicine. This major provides you with a thorough understanding of the scientific basis of diagnosing, treating and preventing human disease, as well as an appreciation of how medical research forms new insights into disease every day. You will be taught by medical practitioners involved in the diagnosis and treatment of these conditions and by pathologists, researchers, physicians and medical scientists engaged in various disciplines of pathology.

Career opportunities
After completing this major, you have numerous professional pathways on offer including employment in a wide range of allied and paramedical fields, university and hospital laboratory research, the healthcare or pharmaceutical industry and diagnostic laboratories.

Course structure information
See page 84

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

“Pathology and Laboratory Medicine can be considered the basis of modern scientific medical knowledge and plays a critical role in evidence-based medicine. This major provides you with a thorough understanding of the scientific basis of diagnosing, treating and preventing human disease, as well as an appreciation of how medical research forms new insights into disease every day. You will be taught by medical practitioners involved in the diagnosis and treatment of these conditions and by pathologists, researchers, physicians and medical scientists engaged in various disciplines of pathology.”

Rudri Amin

Pharmacology

Pharmacology provides a modern understanding of how medicines produce their effects on the body and how such knowledge is used to alleviate suffering caused by disease.

In this major you’ll learn how common drugs target specific receptors in body tissues, exerting effects as either agonists or antagonists. You will also explore the major biochemical pathways that are activated when drugs interact with their respective receptors. Other key topics include pharmacokinetics, drug metabolism, drug dependence, toxicology, pharmacogenomics and drug discovery. This major provides an appreciation of how drugs produce changes in such key bodily functions as blood pressure, lung performance or pain perception.

Career opportunities
UWA Pharmacology graduates have pursued a number of pathways including research in a hospital (diagnostic or research lab), employment in a pharmaceutical industry (research or commercial setting), clinical trials coordinators, state or federal regulatory agencies with oversight for drug use, science education (secondary or tertiary sector) and vocational study.

Course structure information
See page 84

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

“Pharmacology fuelled my desire to learn. Where did modern medicine come from? How does medicine work in the body when we take it? Pharmacology answered these questions and, as I learned more, I had more questions that pharmacology kept answering.”

Moshe Meyers
Population Health

A major in Population Health allows you to study the patterns of health and disease in society and to consider what we can do to improve the health of the community.

Population health tackles both infectious and non-infectious diseases and promotes healthier lifestyles. It is at the forefront of tackling factors that influence health and lead to health inequalities.

Issues in population health are often controversial and you will evaluate how to balance individual and societal needs to maximise health and equity.

In this major you will study health issues locally and globally, and the social, environmental, biological and historical factors that influence health in a population. You will develop skills in critical appraisal and research inquiry, measuring the size of health issues, causes and risk factors and the potential for prevention. You will look at health promotion, health systems and policies, health leadership skills and health research.

Central to the major is community engagement, through structured visits to health organisations, voluntary work experience programs and field trips.¹

¹ Field work costs are subsidised but require student contributions. For more information go to teachingandlearning.uwa.edu.au/students/fees.

“..."The Population Health major can lead to working in unique environments with inspiring individuals who share the goal of making the world a healthier and safer place."...

Ainslie Poore

Career opportunities
As a Population Health graduate, you’ll find careers in health promotion, medical administration, policy and planning, and health project and program management in health departments, universities and non-government organisations around the world. This major also provides you with a strong foundation for future clinical studies in the postgraduate courses of medicine, dentistry and podiatry.

Course structure information
See page 85

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

1 studyat.uwa.edu.au/population-health
Physiology

How does your body cope with stresses such as intense exercise, blood loss and dehydration? How does your nervous system respond to the world around you? Physiology provides answers to these questions and explains how life processes interact with the environment to produce beneficial results, such as elite performance in sport.

Through the Physiology major you’ll gain a detailed understanding of how the human body works at cellular, tissue, organ and system levels. You’ll examine how disease affects bodily function and how understanding physiology can lead to new strategies to combat disease.

Career opportunities
Physiology can lead to careers in research laboratories and the biomedical industry. Opportunities exist for employment as scientists in commercial organisations or in sales and in public science education. Graduates are well prepared for a range of professional careers requiring postgraduate study, such as medicine, pharmacy and clinical audiology.

Course structure information
See page 84

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

Science Communication

Science communicators work to facilitate public engagement with research, inspire the next generation of scientists and advocate for science.

Science Communication provides you with experience in new media, written, oral and visual presentations, science performance and working with industry experts. You’ll develop a Science Communication portfolio, including writing, videos, podcasts, professional reports, presentations, exhibits, posters and websites.

This major must be taken with another science major, providing you with scientific knowledge and highly marketable communication skills.

Career opportunities
You will be highly sought after by employers for your written and verbal communication skills. Your career could take any number of paths such as finding employment in science centres, museums, zoological and botanical gardens, environmental education, schools, research organisations including government agencies, non-government organisations, hospitals, industry and the media.

Course structure information
See page 85

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
None

“A major in Physiology has been the perfect mix of both form and function of the human body, delving into the basics of anatomy and understanding how each system works together and deals with stress.”

Jasmine Begovich

This major is also available through a Bachelor of Science* subject to final approval

studyat.uwa.edu.au/physiology

“Science Communication is a creative outlet for me. Instead of the usual reports and exams, I write articles, design websites, even create my own science show that I’ll perform for primary school kids.”

Samuel Low

This major is available through a Bachelor of Science. Availability as a first major in the Bachelor of Biomedical Science is subject to final approval.

studyat.uwa.edu.au/science-comm

1 This course is only available as a second major
When I started at UWA, I didn’t know anyone. During my time at UWA, I was able to meet a vast array of people through the various activities I participated in, and many of these people have become lifelong friends. I joined many clubs and programs including Flying Start, ECOMS, Prosh and working at the UWA Fitness and Recreation Centre.

I moved to Los Angeles, California two days after finishing my last exam at UWA. I was able to do this on the IEP Program, which sponsors recent graduates on a one-year exchange visa. At the time, I did not have an exact plan of what I would do in America, but I was prepared to do whatever it took to make it work. I was fortunate enough to land a job at The Montgomery Summit in Santa Monica shortly after arriving. The Montgomery Summit is the premier invitation-only technology conference for senior executives, technology CEOs and investors, who come together over two days of innovative keynotes, private company presentations, discussion and networking.

My role includes identifying industry trends and curating a line-up of 150 emerging technology companies. Past presenting companies have included Mashable, The Honest Company, Snapchat, Fanduel, Dropbox and GitHub to name a few. In my role, I interact with CEOs from these high-powered companies on a day-to-day basis and am exposed to the latest trends. My role is incredibly exciting as no two days are the same. Additionally, I oversee all attendee management and I assist with programming and sponsorship development.

In my experience, I have learned the more you put in, the more you get out. Go to the office hours and the study sessions that your lecturers and tutors offer, involve yourself in clubs, attend networking and career events and you will have the best years.”
Accounting

Accounting is acknowledged as ‘the language of business’ and is spoken by all businesses, big and small, all government agencies and departments, and all not-for-profit institutions around the globe. It is essential for monitoring and guiding business operations to enable managers to gain an accurate and up-to-date picture of the financial health of their organisations.

The Accounting major focuses on the preparation, interpretation and communication of accounting information essential to effective decision making within an organisation.

Career opportunities
An accounting education prepares you for a career across borders in the public sector, public accounting firms, small business and self-employment. Professional accountants are employed as company directors, board members, chief executive officers and partners in business, and can seek employment in banking, accounting, financial consulting, fund management, stock broking and taxation.

Course structure information
See page 74

Prerequisite subjects
Mathematics Applications ATAR
Prerequisites may not apply to students completing this major as a second major in a degree other than the Bachelor of Commerce

Recommended subjects
Mathematics Methods ATAR

Business Law

Gain a solid understanding of the Australian legal system and how it impacts on business and commercial transactions.

This major focuses on the fundamental relationship between law and business and is ideal for those planning a career in a range of business areas including professional accounting, business management, international trade and industrial relations. You’ll learn about the law relating to contract, torts, corporations, agency, partnership, fiduciary obligations, taxation, banking, finance, intellectual property, competition, consumer protection and international trade.

Career opportunities
Business Law graduates are well qualified for a variety of roles in private and government sectors. These include careers in accountancy (with appropriate further qualifications), business management, marketing, international trade, banking and finance, public service, industrial relations, human resource management and related professions and endeavours that draw on an appropriate level of knowledge of business law.

Course structure information
See page 75

Prerequisite subjects
Mathematics Applications ATAR
Prerequisites may not apply to students completing this major as a second major in a degree other than the Bachelor of Commerce

Recommended subjects
Mathematics Methods ATAR

Interested in becoming a lawyer? Set your career path in motion with a Law Direct Pathway. See page 10.
Economics

The rise and fall of economies, future employment prospects, incomes and living standards are all at the heart of economics. Gain an understanding of the way the world works, from the stock market to national economies and the world economy.

This major includes core subjects in both microeconomics and macroeconomics. Microeconomics provides the framework for analysing issues in taxation, trade and the competitive structure of markets, while macroeconomics focuses on the forces that influence long-term economic growth, inflation, unemployment and the balance of payments.

Career opportunities
A major in Economics prepares you for work in financial institutions, government, international agencies and the private sector as a forecaster, analyst or consultant. Economics graduates find employment with companies, management consultancies, and in areas of government, including the Reserve Bank and Treasury, banks and stockbrokers, and at institutions such as the International Monetary Fund.

“I chose to study Economics because I’m interested in understanding how financial markets and world economics correlate. Pairing my Economics major with a Finance major allows me to apply the concepts and theories I learn to the real world.”

ZerLin Eng

studyat.uwa.edu.au/economics

Recommended subjects
Mathematics Methods ATAR

Professional Economics

Economics is at the forefront of public policy issues such as economic growth, the stability of the economy, regulating financial institutions, resource taxation, financing education and retirement income planning. Through this major you’ll learn how apparently complex economic developments can be understood in terms of a set of simple but fundamental principles such as the theory of choice.

You’ll study microeconomic and macroeconomic frameworks to analyse economic problems and produce and communicate economic research for fellow economists, business professionals and policymakers. You will also develop the capacity to analyse economic issues pertaining to domestic and world economies.

Career opportunities
Graduates can pursue careers as specialist economists in government and business, economic consultants, economic analysts and policy advisers. Graduates have found employment in the Australian and State Treasuries, the Australian Reserve Bank as well as in economic consultancies and major companies. Employment prospects for economists are strong.

“The most valuable thing I have gained from this major is the application of the theories I learnt to the real world. I enjoy economics because it will always be applicable and has a range of avenues to study and explore.”

Dominic White

studyat.uwa.edu.au/professional-economics

Course structure information
See page 77

Prerequisite subjects
Mathematics Applications ATAR

Prerequisites may not apply to students completing this major as a second major in a degree other than the Bachelor of Commerce

Recommended subjects
Mathematics Methods ATAR
Finance

Finance is the lifeblood of the economy. In our Finance major, you’ll learn how money and projects come together. This major teaches you about the financing and managing of financial resources. How do managers make financial decisions, where do companies get their financing from, how do investors decide how they should invest, and what are the risks and rewards associated with differing financial choices?

The practical aspects of finance are taught, including corporate finance issues such as the appropriate mix of equity and debt to finance projects, identifying the optimal dividend policy, and the resourceful selection of business projects.

Career opportunities
Finance graduates find employment as financial consultants, investment bankers, credit managers, financial analysts and financial engineers in banks, corporations and financial institutions.

Recommended subjects
Mathematics Methods ATAR

Prerequisite subjects
Mathematics Applications ATAR

Course structure information
See page 78

Human Resource Management

Human Resource Management explores how the proper management of employees contributes towards organisational effectiveness.

This major brings together studies in management and psychology as you learn to develop a strategic approach to recruiting, training and developing an organisation’s most important asset: its people. You will gain a thorough theoretical and practical grounding in the management of people and employment in Australia and overseas. Study topics such as organisational behaviour, employment relations systems and processes, human resource planning, recruitment and selection, performance management and training.

Career opportunities
The Human Resource Management major prepares you for a career in human resources in both the public sector and private organisations. It also complements other studies and careers in management.

Recommended subjects
Mathematics Methods ATAR

Prerequisite subjects
Mathematics Applications ATAR

Course structure information
See page 80

“What attracted me to the Finance major was the focus the lecturers maintained on the modern market and current issues. The course engages with the major issues of the day, helping to gain a broader understanding of how corporate movements can induce economy wide changes.”

Rene Yan Hui Kuan

“UWA provides outstanding opportunities to network through the many clubs it offers. It also continuously gives students a chance to gain practical experience in their chosen field of study through internships.”

Danika Biswas

studyat.uwa.edu.au/finance

studyat.uwa.edu.au/human-resource-mgmt
Management

Gain a comprehensive understanding of managing organisations effectively within different economic, social, political and legal contexts.

Through this major you will develop conceptual and practical skills in areas that include: organisational behaviour, leadership, operations and project management, information systems management, small business management and entrepreneurship. You can choose to gain an overall understanding of the field or select units from specialist focus areas in managing organisations, managing operations and business processes, or managing international business.

Career opportunities
Through its extensive links to the corporate world, the UWA Business School provides students studying management with a unique opportunity to gain valuable insights into how effective leaders and managers operate in leading organisations. The major provides you with the managerial skills needed to pursue a variety of managerial and leadership roles in industry, commerce and the public sector.

Recommended subjects
Mathematics Methods ATAR

Prerequisite subjects
Mathematics Applications ATAR

Prerequisites may not apply to students completing this major as a second major in a degree other than the Bachelor of Commerce

Course structure information
See page 82

studyat.uwa.edu.au/management

Marketing

Do you want to know why customers choose certain products and brands and what influences these decisions? Come behind the advertising jingles to investigate the real world of marketing. Studying Marketing provides you with the understanding and skills needed to align customer needs to an organisation’s output of goods, services or information.

This major covers product and services marketing, branding, not-for-profit and social marketing, digital marketing, ethical consumer practices and all the latest innovations in the field. Practical projects may include developing marketing plans, implementing advertising campaigns or conducting and interpreting interviews with customers.

Career opportunities
A Marketing major leads to careers in areas such as marketing management, advertising, sales management, distribution control, product development and branding, new venture creation and marketing research or consulting. You can find employment in all industry sectors including not-for-profit, private and public organisations.

Recommended subjects
Mathematics Methods ATAR

Prerequisite subjects
Mathematics Applications ATAR

Prerequisites may not apply to students completing this major as a second major in a degree other than the Bachelor of Commerce

Course structure information
See page 82

studyat.uwa.edu.au/marketing
Bachelor of Science

Bachelor of Science (Honours) graduate
Ferrer Ong

“I chose to study at UWA because it is a great university that is also close to my family in Singapore.

UWA academics are leaders in their respective fields. My honours research supervisors inspired me to push the boundaries of my research and I was also given opportunities to present my research at international events.

I now work as a research scientist and provide scientific data to global organisations that aim to cure cancer. My rewarding career all began with a decision to study Science at UWA.”

study.uwa.edu.au/science
Agricultural Science

The rapidly growing population, changing climate and limited land and fresh water resources will impact on the ability of agriculture to meet demand. Agricultural Science provides the technology and research for sustainable, profitable and ethical food production worldwide.

A major in Agricultural Science provides you with the tools for diverse career options. You will learn from leading research scientists and student-focused lecturers who are passionate about agriculture and have strong links with industry representatives. The major comprises lectures, tutorials, practical and laboratory classes, independent study and field work.

Career opportunities
Career pathways for graduates include agribusiness, agronomy, banking, biotechnology, consultancy, finance, food industry and international development, as well as journalism, landcare, market analysis and development, teaching, science communication, research and politics.

Course structure information
See page 74

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

“Studying agriculture has enabled me to acquire extensive knowledge of components such as soils, plant physiology, and animal production for a range of farming systems. I've also been on a number of international and Interstate study tours that have allowed me to network and gain experience.”

Lachlan Hunter

1 Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees.

Anatomy and Human Biology

Discover how your body works, why it works that way, where people come from and how we are related to one another. You’ll explore what it means to be human in an integrative way, combining studies of the biology and behaviour of human beings with current social and ethical issues.

This major provides you with a solid foundation for understanding your body and its response to the world around you from both biological and social perspectives. Topics include human functional anatomy, reproduction, genetics, embryology and growth, microscopic structures of cells and tissues, structure and function of the nervous system, ecology, behaviour and biosocial interactions.

Career opportunities
Graduates wanting a career in research find jobs in areas such as sleep science, assisted reproductive technologies, pharmaceutical training and neuroscience. Opportunities exist as scientists in commercial organisations, as cultural advisers or in sales associated with these types of organisations, in public science education, in museums and in the media.

Course structure information
See page 74

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

“Learning about the human anatomy has allowed me to appreciate the human body and broaden my horizons of potential research. Furthermore, it has reinforced the love and dedication I have for future medical studies.”

Jason Chua

This major is also available through a Bachelor of Biomedical Science

studyat.uwa.edu.au/anatomy

80 MINIMUM ATAR

studyat.uwa.edu.au/agriculture

80 MINIMUM ATAR

studyat.uwa.edu.au/anatomy
Biochemistry and Molecular Biology

What are proteins? How do they function in a cell? How is the expression of proteins controlled? How do hormones work? What goes wrong in a cancer cell? How can we use information from understanding protein function to design new therapeutic agents to treat diseases? These are just some of the questions biochemists and molecular biologists ask.

In this major you’ll study how molecules are organised and interact to achieve the functions of the cell and the organism. Three main areas are covered: the information in DNA; molecular interactions; and how organisms gain and use energy.

Career opportunities
Graduates may find a career in a range of areas including research institutes, universities, CSIRO, hospitals, the healthcare industry, the pharmaceutical industry, general and scientific sales, food manufacturing, government and advisory services, biotechnology, teaching in schools and universities, or diagnostic services in medicine and agriculture.

Course structure information
See page 75

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

Botany

Botany is the scientific study of plants from their evolution and taxonomy to their structure and physiology, and the integral roles plants play in the functioning of terrestrial and marine ecosystems.

Botanists study how plants evolve and adapt to changing climate and environments as well as the myriad ecological interactions between plants and other organisms. This major is ideal if you are interested in understanding biodiversity and addressing current and future threats to our unique native flora, aquatic ecosystems and the sustainability of agricultural crops. The Botany major also includes laboratory and field work experience.1

Career opportunities
Botany graduates are highly sought after and employed by environmental consultants, resource industries, government departments (such as Agriculture and Food, Parks and Wildlife, and the Department of Water), botanic gardens (Kings Park) and research agencies (CSIRO) that either work in, or are interested in, the environment, conservation, restoration and horticulture.

Course structure information
See page 75

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

1 Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees

studyat.uwa.edu.au/botany

studyat.uwa.edu.au/biochemistry
Computer Science

From search engines to smartphones, computer science involves the theory and design behind the intelligent systems and computers that transform the way we live, work and communicate.

Learn the theoretical, algorithmic, implementation and systems principles that underpin computer languages and networks. This major is ideal if you’d like to develop new computing technologies or specialise in enterprise-level programming, systems, software engineering or research careers. This major can also complement your engineering studies, as knowledge of developing computer programs is highly sought after by employers.

Career opportunities
Destinations for graduates include large software development houses such as Google, Microsoft, Motorola and Thales, as well as smaller computing, mining and resources, and consulting companies. You could also undertake further studies in software engineering, data science, electrical and electronic engineering, as well as honours and research degrees.

Recommended subjects
Mathematics Methods ATAR

Study at UWA is the many opportunities to interact with members of industry. I have attended countless industry information and career events and completed a summer internship.”

Lincoln McLean

studyat.uwa.edu.au/computer-science

Chemistry

Chemistry is the science of the molecular scale and of molecules and materials. It is central to all areas of modern science and technology, providing a foundation for fields such as biochemistry, green chemistry, chemical engineering, food science, materials science, geology, nanotechnology and pharmacology.

In this major you will develop an understanding of the mechanisms, reactions and processes that occur at the molecular level. You’ll study the elements that make up all matter and how they interact with each other.

Career opportunities
Graduates are in demand in industries such as pharmaceuticals, agrochemicals, fine chemicals, metals, electricity, mining and petroleum. Other career opportunities exist in laboratories as environmental and analytical or forensic chemists; and in universities, scientific institutes, and government or private sector laboratories as research chemists.

Recommended subjects
Mathematics Specialist ATAR, Mathematics Methods ATAR and Chemistry ATAR

“Chemistry is one of those fields which is relevant in so many areas of modern science; the range of knowledge and potential job opportunities is almost endless.”

Megan Lovatt

studyat.uwa.edu.au/chemistry

MINIMUM ATAR

80
Conservation Biology

Conservation biology studies the living world and its biological diversity in order to manage and protect it. Conservation biologists aim to prevent species or population extinctions by integrating knowledge on the biology and ecology of species with natural resource management, social sciences and economics.

This major equips you with the theoretical foundations underlying modern conservation science while developing your communication and problem-solving skills through a mixture of theoretical and applied classes. The major has been developed in consultation with the local conservation industry to provide you with relevant skills and knowledge to succeed in your future career.

Career opportunities
Conservation Biology graduates are employed by government agencies (e.g. Department of Parks and Wildlife, CSIRO), botanic gardens and zoos, conservation-related organisations, universities and a variety of other sectors such as mining, local government, private companies, community and natural resource management groups.

Course structure information
See page 76

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

Data Science

As one of the most rapidly growing fields in information technology, data science unearths value and meaning from data to help businesses and organisations across the globe.

This major focuses on data and scientific computation. Through a combination of practical and theoretical units, you’ll develop an understanding of how to use technology for efficient and effective data collection, conversion, analysis, visualisation and interpretation. You’ll learn how to integrate new technologies to create science, engineering and business systems, and how to design useful and usable software.

Career opportunities
As organisations around the world implement data analytics programs, the demand for data scientists is only set to increase. Opportunities exist in areas such as energy and resources engineering, bioinformatics and biochemistry, computational physics and astronomy, transportation, health, finance, marketing, geophysics, geographic information systems and biomechanics.

Course structure information
See page 77

Prerequisite subjects
Mathematics Applications ATAR

Recommended subjects
Mathematics Methods ATAR

“Studying Conservation Biology has strengthened my understanding of the careful management that is required to protect Western Australia’s diverse and unique fauna from the many threats it faces.”

Holly Bradley

studyat.uwa.edu.au/conservation

“I chose the Data Science major because data analysis skills are going to be essential for many jobs of the future. My studies have helped me to think and problem solve in entirely new ways.”

Julian Coleman

studyat.uwa.edu.au/data-science
Engineering Science

From building the world’s largest man-made structures to its smallest electronic devices, and from moving people across the globe to sustaining their local environment, engineering affects every aspect of our lives.

Engineering is the creative application of science and mathematics to solve complex problems. At UWA, our goal is to produce independent graduate engineers who are empowered to change the world and seek solutions to humanity’s greatest challenges.

The Engineering Science major is your pathway to the Master of Professional Engineering and a global career as a professional engineer.

The major provides you with fundamental engineering knowledge and develops your scientific, communication and problem-solving skills through a combination of practical, hands-on courses, industry projects and theoretical foundations.

Career opportunities
There are varied employment opportunities in Australia and internationally in the energy and resources sector, the pharmaceutical industry, manufacturing, power and water utilities. You could also enter the electronics, finance, management consultancy and telecommunications industries. With highly developed analytical and problem-solving skills, engineering graduates also have a strong base to branch out into different industries, including senior management roles.

Interested in becoming an engineer?
Set your career path in motion with an Engineering Direct Pathway. See page 15.

studyat.uwa.edu.au/engineering

“UWA has enriched my learning by providing me with the opportunity to design a project to aid people in Vanuatu through my Engineering Science major. I have also taken up Neuroscience units which I hope will further develop my skills in the bioengineering field. I have enjoyed the spectrum of clubs available at UWA, which allow me to meet a variety of new people whom I will hold close for many years.”

Lucy Anderson

studyat.uwa.edu.au

MINIMUM ATAR

80

Course structure information
See page 77

Prerequisite subjects
Mathematics Specialist ATAR,
Mathematics Methods ATAR,
Chemistry ATAR and Physics ATAR
OR Mathematics Methods ATAR with additional specified units taken in the first year depending on the number of missing prerequisite subjects

Recommended subjects
Mathematics Specialist ATAR,
Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR
Environmental Science

Environmental science assesses the impact of human activity on the globe and develops scientific, risk-based solutions to secure sustainable natural and managed systems. It encompasses biological and earth sciences.

This major provides you with skills and knowledge to solve environmental problems. Some issues you’ll learn about include climate change, carbon trading, greenhouse gas emissions, and land and water resource management. The major consists of lectures from leading experts and industry representatives as well as field work and extended field trips.1

1 Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees.

Career opportunities
Environmental Science graduates possess a diverse set of skills across earth, biological and environmental processes and understand the role of humans in landscapes. Graduates find employment in the mining and resources sector to manage environmental compliance. They can also work in state government agencies as well as non-government agencies to regulate/manage land and water resources.

Course structure information
See page 78

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

Exercise and Health

The health industry is a vital part of Australian life with professional graduates playing a key role, through policy and practice, across all life stages.

A major in Exercise and Health allows you to have a significant impact within this industry’s development and research, giving satisfaction and direction to anyone passionate about health and exercise along with opportunities to contribute positively to society within the health domain. You will develop your understanding and skills in how and why we move, and how exercise can impact our health.

Career opportunities
Employment opportunities exist in professions of healthy lifestyle programming for the community and industry, sports development, health and fitness coordination and program management, and as an exercise scientist. With Sports Science as a first major and Exercise and Health as a second major, you’ll be eligible to apply for accreditation as an exercise scientist through Exercise and Sport Science Australia.

Course structure information
See page 78

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
None

1 80 MINIMUM ATAR

studyat.uwa.edu.au/environment

studyat.uwa.edu.au/exercise-health

“What I enjoy most about the Environmental Science major is going out into the field to collect samples and coming back to the lab to make sense of these. It gives me a great sense of personal satisfaction.”

Thomas Gambuti

“I chose to study Exercise and Health because I enjoy learning about the body and its capabilities. The lecturers are so knowledgeable and approachable and are always there to help or have a chat about their sporting pursuits. It’s such a unique opportunity and privilege to be taught by former Olympians and other world-class athletes.”

Jessica Moore

1 Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees.

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The University of Western Australia
Genetics

Genetics is the study of biologically inherited traits as diverse as those that cause human disease, allow a rare plant to live in a single isolated location or result in a desirable characteristic of a domestic animal used in agriculture.

This major provides you with a broad overview of the universal principles, potentials and problems associated with DNA-based life. You’ll learn how traits are inherited, how genetic processes control development and diseases, and how and why genomes are studied.

Career opportunities
This major is your pathway to a global career as a geneticist. A geneticist can be a researcher in medicine, molecular biology and genetics; a physician who has specialised training in genetics; a genetic counsellor; a plant or animal breeder; an ecologist or have a career in pharmacology and various other specialities.

Roko Sango
This major is also available through a Bachelor of Biomedical Science

studyat.uwa.edu.au/genetics

Geographical Sciences

Many of the world’s most pressing problems require an understanding of the interdependence between human activities and the natural environment.

Geographical Sciences provides you with insights into some of the challenges facing the planet, including climate change, environmental degradation, natural disasters, population growth and increasing urbanisation. You’ll explore a variety of highly contemporary issues and problems requiring the integration of natural and social sciences. Local fieldwork and field trips are included in this major and there is an opportunity to participate in overseas residential fieldwork in a variety of destinations.

Career opportunities
The diverse skills and knowledge acquired by Geographical Sciences graduates results in them being chosen by employers including government authorities, private sector companies, environmental consultancies, non-government organisations and many other organisations concerned with managing the natural and human environment.

Mathew Bolton

"While studying the Geographical Sciences major I was able to conduct research on the hydrological processes occurring in the Swan Canning Estuary System which helped me gain an understanding of the environmental problems facing the river system."

studyat.uwa.edu.au/geography

1 Field work costs are subsidised but require student contributions. For more information go to teachingandlearning.uwa.edu.au/students/fees

Course structure information
See page 79

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR
Geology

Geology is a science that seeks to understand the Earth as a dynamic system. Geologists study how the Earth formed and evolved during the past 4.4 billion years, including the origin of continents, oceans, atmosphere and life, and how natural processes deep within Earth’s interior shape the surface on which we live.

Through this major you’ll learn to interpret geological processes and Earth history, and discover the formation of important resources and how climate and environments change through time. As part of this course, you’ll also go on several field trips and undertake extensive field work.¹

¹ Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees.

Career opportunities

Employment opportunities are diverse and include the resources industry or research fields such as planetary geology, volcano or earthquake hazard prediction. Additional opportunities exist in government agencies dealing with resources or environmental consultancies and agencies. Many graduates develop their skills in industry or government agencies around the world, while others join academic institutions.

Course structure information
See page 79

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

studyat.uwa.edu.au/geology

Marine Science

Marine Science is the study of the ocean, its habitats, ecosystems and its life forms, as well as the study of coastal environments, oceanic currents and the sea floor.

The Marine Science major includes marine biology and ecology, marine and coastal management, and oceanography. It combines knowledge of marine aquatic life with a solid understanding of the physical environment. Through experimental design and research, you’ll learn to appreciate the complex interactions that occur in marine ecosystems. This major also includes field work with field trips of two to six days.³

³ Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees.

Career opportunities

Graduates are employed in fisheries and marine conservation agencies at state and federal levels, consulting firms, resources industry, fishing industry, agencies such as Greenpeace and Reef Check, and in research at CSIRO, the Oceans Institute and universities.

Course structure information
See page 82

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR

studyat.uwa.edu.au/marine-science
Mathematics and Statistics

Mathematics is humanity’s most powerful tool for comprehending the universe and is essential for many fields of modern endeavours such as science, technology, engineering and finance.

Mathematics and Statistics is a broad-based major that equips you with the mathematical tools and techniques of at least two of the three disciplines of pure mathematics, applied mathematics and mathematical statistics.

Career opportunities
Employment opportunities can be found in areas including finance (banks, insurance companies and investment analysis), government organisations (CSIRO, Australian Bureau of Statistics, Defence Science Technology Organisation, Bureau of Meteorology), public service (state and federal), teaching and industries such as computing, engineering, research and statistical consulting firms.

Course structure information
See page 82
Prerequisite subjects
Mathematics Specialist ATAR and Mathematics Methods ATAR OR Mathematics Methods ATAR with additional Mathematics units taken in the first year
Recommended subjects
Mathematics Specialist ATAR and Mathematics Methods ATAR

Natural Resource Management

The increasing global population combined with rising incomes means the world’s environmental and natural resources are under significant pressure. Management of the Earth’s natural and environmental assets has become a major global focus. Natural resource managers guide sustainable development to protect environmental and community assets.

Career opportunities
Graduates are in high demand due to the challenge of sustainably managing our natural environment. Key employers include government departments and agencies responsible for the environment, conservation, climate change policy, agriculture and food, and primary industries. In the private sector, employers include engineering and environmental consultancies, and the mineral and energy industries.

Course structure information
See page 83
Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended subjects
Mathematics Methods ATAR

“Mathematics and Statistics appealed to me as a major that would equip me with critical reasoning and logic, unobscured by the imperfections of the real world. I find it complements my second major, German, and my interest in languages and patterns.”

Phoebe Chiew

“I was drawn to the fact that the course teaches us to tackle environmental issues from both an economic and social perspective, which I believe is essential to ensure an environmentally sustainable tomorrow.”

Emma Kindness

studyat.uwa.edu.au/mathematics

studyat.uwa.edu.au/natural-resource-mgmt
Neuroscience

How do we process sensory stimuli? How do medical conditions like Alzheimer’s disease, deafness, dementia and depression afflict the brain and nervous system? Neuroscience investigates the answers to these questions and all areas of the nervous system.

The Neuroscience major looks at concepts in human and experimental neuroscience, introducing you to research techniques and providing a solid background on what we know about the normal and abnormal/injured brain. You will learn about the nervous system at all levels, from the transfer of information from one nerve cell to another, to the complexities of how behaviour, thought and emotions are produced.

Career opportunities
Neuroscience is a diverse, multidisciplinary science and graduates will be well suited to a range of employment destinations including research and clinical laboratories, government agencies and science communication.

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

Physics

Physics examines the world around us at the most fundamental level, from the origin and fate of the universe to the behaviour of matter on subatomic length scales and everything in between. The knowledge generated through the study of physics is the driving force behind most new technologies, from radars to lasers, transistors to quantum computers, and electron microscopes to advanced medical imaging scanners.

This major gives you access to the frontiers of modern physics via a focus on mathematical skills. These skills are required to access modern physics, including the key pillars of relativity and quantum physics, with applications to atomic, nuclear and particle physics, condensed matter physics, photonics and astrophysics.

Career opportunities
As a Physics graduate, your strong problem-solving and critical thinking abilities will be in demand from employers in industry, government and the business and finance sectors. Your discipline-specific skills are particularly valued in teaching, research and high-tech industries. Graduates with a strong mathematics and physics background have opportunities in the resources sector modelling big data sets.

Recommended subjects
Mathematics Specialist ATAR, Mathematics Methods ATAR and Physics ATAR

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Physiology

How does your body cope with stresses such as intense exercise, blood loss and dehydration? How does your nervous system respond to the world around you? Physiology provides answers to these questions and explains how life processes interact with the environment to produce beneficial results, such as elite performance in sport.

Through the Physiology major you’ll gain a detailed understanding of how the human body works at cellular, tissue, organ and system levels. You’ll examine how disease affects bodily function and how understanding physiology can lead to new strategies to combat disease.

Career opportunities
Physiology can lead to careers in research laboratories and the biomedical industry. Opportunities exist for employment as scientists in commercial organisations or in sales and in public science education. Graduates are well prepared for a range of professional careers requiring postgraduate study, such as medicine, pharmacy and clinical audiology.

Course structure information
See page 84

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
Mathematics Methods ATAR and Chemistry ATAR

Psychological Science

Are you interested in how we learn, remember and think? Have you ever wondered how we control our movements or how we sense and respond to the objects and events around us? Psychology allows you to explore how and why people behave the way they do.

Psychological Science is the study of mental processes and behaviour, and is a challenging and wide-ranging discipline that provides you with an understanding of our psychological processes and the relationship of these processes to brain function. This major emphasises the biological basis of cognitive processes and focuses on integrating contemporary research and theory.

Career opportunities
This major prepares you for a career in research and a range of careers in which knowledge of human nature is valuable, such as government agencies, business, teaching and welfare. Your expertise with social survey methods, computer technology and measurement techniques means market research, advertising and media are also options. To become a psychologist, students must complete the Psychology double major.

Course structure information
See page 85

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
None
Psychology (double major)¹

Are you interested in how we identify objects, recognise faces, perceive motion, remember and think?

A Psychology double major helps you develop a scientific understanding of human thoughts and behaviours, the psychological processes underlying these and the relationship of these processes to brain function.

You will find an emphasis on the measurement of psychological abilities, on how these develop throughout life and on the processes that govern the relationships between people and groups in society.

The major also makes you eligible to apply for honours in psychology to complete an Australian Psychology Accreditation Council accredited four-year program which can lead to provisional registration as a psychologist or applications for postgraduate study in psychology.

Career opportunities
There are varied employment opportunities in Australia and internationally in the energy and resources sector, the pharmaceutical industry, manufacturing, power and water utilities. You could also enter the electronics, finance, management consultancy and telecommunications industries. With highly developed analytical and problem-solving skills, engineering graduates also have a strong base to branch out into different industries, including senior management roles.

Interested in becoming a psychologist?
Set your career path in motion with a Psychology Direct Pathway. See page 12.

studyat.uwa.edu.au/psychology

“‘The lecturers are nothing short of outstanding and their passion has definitely enhanced my learning experience. The major has equipped me with the skills and knowledge needed to tackle my postgraduate studies.’”

Sepideh Rahmani

¹ This major is only available within the Bachelor of Arts, Bachelor of Science or Bachelor of Philosophy (Honours). Students cannot choose to study a second major with the Psychology double major and it is not available as a second major.

Course structure information
See page 85

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
None
Quantitative Methods

Quantitative methods is the range of mathematical and statistical techniques used to analyse data in areas such as science, economics, marketing, engineering, medicine, public health, psychology, education and sport.

An increasing number of industries use quantitative reasoning for improving product and service quality, increasing efficiency in the workplace and assessing their growth strategies.

This major provides you with practical, interdisciplinary research skills based on sound disciplinary foundations. The units ensure you develop a broad range of skills and abilities that are useful and relevant to your interests.

Career opportunities
Demand for graduates trained in quantitative methods is high across a range of professions. These include university research (biostatistician, quantitative analyst), medical research institutes (epidemiologist, statistician, quantitative researcher), finance (quantitative analyst, econometrician), ABS, CSIRO, state government departments, statistical consulting, market research and more.

Course structure information
See page 85

Prerequisite subjects
Mathematics Applications ATAR

Recommended subjects
Mathematics Methods ATAR

“I have always been fascinated with numbers and technology and I love problem solving. The Quantitative Methods major enables me to draw on my talents and empowers me to make a difference in this rapidly expanding field.”

Alexander Floyd

Science Communication

Science communicators work to facilitate public engagement with research, inspire the next generation of scientists and advocate for science.

Science Communication provides you with experience in new media, written, oral and visual presentations, science performance and working with industry experts. You’ll develop a Science Communication portfolio, including writing, videos, podcasts, professional reports, presentations, exhibits, posters and websites.

This major must be taken with another science major, providing you with scientific knowledge and highly marketable communication skills.

Career opportunities
You will be highly sought after by employers for your written and verbal communication skills. Your career could take any number of paths such as finding employment in science centres, museums, zoological and botanical gardens, environmental education, schools, research organisations including government agencies, non-government organisations, hospitals, industry and the media.

Course structure information
See page 85

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Recommended subjects
None

“Science Communication is a creative outlet for me. Instead of the usual reports and exams, I write articles, design websites, even create my own science show that I’ll perform for primary school kids.”

Samuel Low

This major is also available through a Bachelor of Biomedical Science* subject to final approval

studyat.uwa.edu.au/science-comm

studyat.uwa.edu.au/quantitative-methods

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1 This course is only available as a second major

60 study.uwa.edu.au
Sport Science

Ever wondered about the science behind elite performance?

A major in Sport Science equips you to further understand and analyse the human body and its movements and functions. With applications in today’s elite sporting arenas, rehabilitation, fitness and health and recreation sectors, this major can also lead into cutting-edge, dynamic postgraduate research opportunities. You’ll take part in the national award-winning Sport Science practicum, providing you with essential workplace experience to enable you to integrate theoretical concepts with professional practice in a range of disciplines.

Career opportunities
Sport Science graduates can enter the broad promotion, management and marketing sector; find a career in athlete preparation; or move into graduate training in sport, coaching or research. With Sports Science as a first major and Exercise and Health as a second major, you’ll be eligible to apply for accreditation as an exercise scientist through Exercise and Sport Science Australia.

Recommended subjects
Mathematics Methods ATAR

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Course structure information
See page 86

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Zoology

Animals live everywhere from deserts to wetlands, rivers and rainforests to the sea. Zoology provides an understanding of how structure and function, physiology, reproduction and behaviour enable animals to live in these habitats. Zoology also covers population and community ecology, molecular genetics and the evolutionary processes behind animal diversity.

A major in Zoology introduces you to the fascinating diversity of animals and their interactions with each other and their environments. This major includes an optional eight-day field-based unit as an elective at Level 2 or Level 3.¹

Career opportunities
Zoology graduates are employed in environmental consultancies, fisheries, aquaculture and the resources sector. They may also work in government departments such as Environment, Parks and Wildlife, State Fisheries, in museums and zoos, or in environment and conservation research agencies (CSIRO), while others may join academic institutions.

Recommended subjects
Mathematics Methods ATAR

Prerequisite subjects
Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

Course structure information
See page 86

¹ Cost of food and accommodation to be borne by the student. For more information go to teachingandlearning.uwa.edu.au/students/fees.

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studyat.uwa.edu.au/sport-science

studyat.uwa.edu.au/zoology

“In third year we do a practical placement and I’m really enjoying working at the West Coast Eagles as football is one of my passions. The placement creates connections for me that I hope will help me to reach my career aspirations.”
Riley Dolman

“I chose Zoology as I have always loved animals and nature. The practical classes are always interesting and feature everything from dissections to birdwatching.”
Savannah Victor
Entry pathways

START HERE

Have you undertaken any tertiary study?

YES

AQF Qualifications
If you have qualifications at diploma-level or above from a registered training organisation (RTO), you will be considered for entry to UWA.

Prior Tertiary Study
If you have previous or current tertiary study at a bachelor’s degree level and have passed a minimum of four units, you can apply for entry to UWA. Applications for credit transfer/advanced standing are assessed individually by faculties.

Western Australian Certificate of Education (WACE)
You will be considered for admission to UWA if you achieve the Western Australian Certificate of Education and obtain the minimum Australian Tertiary Admission Rank (ATAR) to gain a place in your chosen degree course.

NO

Do you meet UWA English Language Competency?

NO

Sit a UWA-approved English test.

YES

Do you meet the UWA Maths requirements for your course?

YES

APPLY TO UWA

NO

See Mathematics requirements.
Are you 20 years old or above?

If these categories don’t apply to you, see our alternative entry pathways on page 64.

Other School-Leaving Qualifications
If you have completed another qualification considered equivalent to the WACE, you can apply for a place on the basis of your school-leaving qualification (converted to an equivalent ATAR). Refer to studyat.uwa.edu.au/undergraduate/requirements for a list of equivalent qualifications.

Previous Secondary School
If you have completed the WACE or equivalent, you may be eligible for entry using your ATAR. Mature-age students can apply for entry on the basis of an ATAR calculated from scaled scores in four WACE courses or have a mature-age ATAR calculated from two WACE courses. To be considered for admission using a mature-age ATAR you need to:
- complete two eligible WACE courses in one year
- obtain the minimum ATAR to gain a place in the degree course

Special Tertiary Admissions Test
As a mature-age applicant you may use results in the STAT to gain entry to a bachelor’s degree in Arts, Biomedical Science, Commerce, or Science. If minimum scores are met, this will satisfy UWA’s English language competence. Any prerequisites for specific majors must also be satisfied. tisc.edu.au

Mature-age Access Program
If you are a mature-age applicant who does not have sufficient qualifications to be admitted under other mature-age pathways, you may be eligible for entry via the Mature-age Access Program. studyat.uwa.edu.au/map

English language competence
All applicants must demonstrate satisfactory performance in a UWA-approved test of English. If you are a school leaver, the requirement is a scaled score of 50 or more in WACE English ATAR, English as an Additional Language/Dialect ATAR or Literature ATAR, or the required mark in an accepted equivalent course. Other applicants may be able to demonstrate English language competence through satisfactory performance in the required English subjects when they were at school. If you are not able to demonstrate English language competence in this way, then satisfactory performance in an alternative UWA-approved test of English will be required. A list of approved tests is available at studyat.uwa.edu.au/elc.

Mathematics requirements
A scaled score of 50 or more in WACE Mathematics Applications ATAR, or equivalent, is required to satisfy the prerequisites for most majors. If you do not satisfy this requirement you will need to successfully complete additional Mathematics units as part of your degree.
Alternative entry pathways

UWA offers alternative entry pathways which allow you to be considered for admission to a course even if you do not meet our standard entry requirements.

**AccessUWA**
AccessUWA provides you with an opportunity to enrol in units at UWA without being formally admitted to a degree course. Upon successful completion of a minimum number of units, you can apply for undergraduate admission based on your AccessUWA results. The units may also be credited towards your degree.

[studyat.uwa.edu.au/accessuwa](http://studyat.uwa.edu.au/accessuwa)

**Broadway UWA**
Broadway UWA is designed to ensure that entry to UWA’s courses is available to the broadest range of students with the potential to succeed at university. This entry scheme allows students from designated schools to receive an automated ATAR adjustment to gain admission to UWA if their ATAR is slightly below the minimum score.


**Fairway UWA**
Fairway UWA enables eligible students to gain entry to UWA through participation in a program of support and activities throughout Year 12.

[studyat.uwa.edu.au/fairway](http://studyat.uwa.edu.au/fairway)

**UWay**
School-leaver applicants and applicants completing mature-age WACE courses who believe their academic achievements in Year 12 have been adversely affected by certain disadvantages may apply for special consideration through the UWay scheme. Special consideration is also given to exceptional cases on an individual basis prior to each round of offers. Application forms are sent to all WA secondary school principals in August and are also available online along with further information about the application process and closing dates.

[studyat.uwa.edu.au/uway](http://studyat.uwa.edu.au/uway)
Entry pathways for Indigenous students

UWA’s School of Indigenous Studies has extensive experience in offering tailored pathways into all undergraduate courses for Aboriginal and Islander people. Pathways include the Aboriginal Orientation Course, UWA Smart Start Course and the Provisional Entry Scheme.

**Enabling pathways**
Indigenous students with an ATAR below 70.00, mature-age students and students who have not completed Year 12 studies or equivalent are encouraged to apply to one of the School’s enabling (or bridging) courses. These are free courses that are also eligible for ABSTUDY and scholarships support.

**Aboriginal Orientation Course**
The Aboriginal Orientation Course is a one-year course which prepares students for entry into a UWA undergraduate degree in Arts, Biomedical Science, Commerce or Science. Students enrol in a minimum of four units each semester and the choice of units depends on the student’s intended undergraduate degree.

**UWA Smart Start Course**
This course is offered at the UWA Albany Centre and is based closely on the Aboriginal Orientation Course. It is open to Indigenous and non-Indigenous students and prepares students for first-year study in an undergraduate course.

**Provisional Entry Scheme**
Indigenous students who have an ATAR between 70.00 and 79.00 and mature-age students with substantial work experience are eligible to apply for entry to an undergraduate degree through the School’s Provisional Entry Scheme.

The Provisional Entry Scheme is competitive and applicants are ranked based on their education and/or employment background, interview and written assessment. Students are also required to have met the prerequisites for the course in which they are applying.

The Aboriginal Student Selection Committee, consisting of senior staff from Admissions, Associate Deans and Faculty Advisers, considers applicants recommended by the School of Indigenous Studies. Students who are successful are offered places. There is also a mid-year application round for this scheme.

There are two categories of applicants eligible under this scheme:

**WACE applicants**
Applicants must have completed WACE, achieved secondary graduation and obtained an ATAR of 70.00 or above to be considered for entry into a bachelor’s degree in Arts, Biomedical Science, Commerce or Science.

**Non-WACE applicants**
This category includes applicants who have a good education background which may include TAFE, higher education studies or a bridging course and/or extensive relevant work experience.

**How to apply**
All applicants are required to complete an application form and supply supporting documentation to the School of Indigenous Studies and attend an open day in early December or early February. Open day involves an information session, written assessment and interview.

**Scholarships**
Indigenous students commencing at UWA are eligible to receive significant scholarships. The School provides extensive guidance and support with applications and advice.

sis.uwa.edu.au/courses/orientation
sis.uwa.edu.au/courses/provisional
sis.uwa.edu.au/scholarships
How to apply

Find a course
Explore your course options at study.uwa.edu.au. You can also visit the Tertiary Institutions Service Centre (TISC) website tisc.edu.au or obtain a copy of the 2018 TISC Guide.

Check the entry requirements
Entry to most courses is assessed on your ATAR (or equivalent), but it is important you check for additional selection criteria which may apply to some courses and pathways. You should also check the prerequisite subjects for your course of interest.

Investigate your entry options
We offer a number of special entry pathways for Indigenous students and students who have been disadvantaged while completing their high school studies. See pages 64-65 for more information.

Apply
If you are a school leaver you will need to submit your application through TISC at tisc.edu.au. Applications open 3 July and close 29 September. For mid-year or mature-age applicants, you can apply directly to UWA via study.uwa.edu.au.

Results and change of preference
Once you have received your final Year 12 results and ATAR, you will have a short timeframe to change your preferences. This can be done online via the TISC website. Our Admissions team is available during this time to answer any questions you may have about changing preferences and entry requirements.

Offers are released
If you receive an offer, you will be given instructions on how to accept or defer your place and how to get started on your UWA journey. Main Round offers are released on 17 January 2018, with Second Round offers available on 31 January 2018.
Contact us

Our Future Students team is on hand to answer your questions about studying at UWA. Chat to us about how uni works and how to apply, find out more about our courses and discover what life’s like as a student.

You can come in to see us at Student Central or call or email us.

The team hosts course information evenings throughout the year for high school and mature-age students, parents and career advisers. We also offer campus tours where you can discover university life first-hand and meet with UWA student ambassadors to learn about their experiences as a student.

Future Students Centre
08 6488 3939
uwa.edu.au/askuwa
Scholarships and awards

There are hundreds of scholarships available each year for undergraduate students. These scholarships can assist you in realising your potential by providing financial, academic and career support during your studies.

If you achieve an ATAR of 99.90 or higher, you will automatically be awarded a UWA Winthrop Scholarship valued at $5000 per year.

In addition to academic scholarships, there are many scholarships available if you are experiencing financial hardship, living with a disability, originate from a rural or remote area or have experienced other educational disadvantages.

We also have scholarships available if you are an Indigenous student commencing in an undergraduate degree or the Aboriginal Orientation Course.

Eligibility varies by scholarship, however the range of scholarships on offer provide you with many opportunities to apply.

Scholarships are also awarded every semester for second and third-year students. Applications for these scholarships open in early January and June and close at the end of the first week of semester.

scholarships.uwa.edu.au

Jocelle Co
Fairway Swans recipient

68 study.uwa.edu.au
Fees

The Commonwealth Government subsidises Commonwealth-supported places in courses at UWA for students who are Australian or New Zealand citizens or holders of an Australian permanent resident visa.

Commonwealth-supported students are required to make a contribution to the cost of their course. For Australian citizens, humanitarian visa holders and New Zealand Special Category Visa (NZ SCV) holders who meet the eligibility criteria, the contribution can be deferred through the Australian taxation system via the Commonwealth Government’s HECS-HELP loan scheme or paid directly to the University. Students who elect to use the HECS-HELP loan scheme do not need to pay any of their student contribution directly to UWA but may, if they choose, make partial payments each fee period.

For New Zealand citizens and other permanent residents of Australia, the contribution must be paid in full, directly to the University. Direct payments do not attract a discount. Further information on eligibility criteria for NZ SCV is available at studyassist.gov.au

How much is the student contribution?

A course at UWA comprises a number of units. A standard unit is worth six (6) credit points. Full-time students usually study four 6-credit-point units in a semester for a total of eight 6-credit-point units in a year. Fees are billed on a semester basis.

The table below provides indicative costs for various discipline areas. The amount of your student contribution each semester depends on the mix of units in which you are enrolled.

The UWA Student Services and Amenities Fee

The UWA Student Services and Amenities Fee (SSAF) is a compulsory fee that directly benefits all UWA students. The fee is used to develop and provide a range of recreational, sporting and educational facilities together with social, education and representation activities and services. studyat.uwa.edu.au/fees

### 2017 student contribution rates – Commonwealth-supported students

<table>
<thead>
<tr>
<th>UNIT DISCIPLINE</th>
<th>Annual contribution for a standard full-time load (48 credit points)</th>
<th>Approximate student contribution for a 6-credit-point unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities, behavioural science, foreign languages, social studies, visual and performing arts, education, nursing, clinical psychology</td>
<td>$6349</td>
<td>$793</td>
</tr>
<tr>
<td>Agriculture, built environment, computing, engineering, health and surveying, pharmacy, mathematics, statistics, science (natural and physical)</td>
<td>$9050</td>
<td>$1131</td>
</tr>
<tr>
<td>Accounting, administration, commerce, dentistry, economics, law and medicine</td>
<td>$10,596</td>
<td>$1324</td>
</tr>
</tbody>
</table>
Supporting you

Your first few days at university can be challenging, from making new friends and managing your finances, to getting help with your course or even just finding the right lecture room. At UWA, we have a wide range of student support services dedicated to helping you join our community.

Before university even begins, you can do your homework about accepting your offer and orientation with UniStart, which lists useful dates, events and locations of services you may need in your first few days. Our First Year Coordinators and First Year Advisers are also on hand to help out with any issues you may have. They can give you advice on everything from enrolling to fixing clashes in your timetable.

firstyear.uwa.edu.au

There’s no-one better to help you through your first weeks than someone who has been in your shoes before and faced the same challenges. UniMentor teams you with a student who has already been studying at UWA for a year or two, and who can answer all your questions about university life.

unimentor.uwa.edu.au

If you have a disability or medical condition, UniAccess ensures you can enjoy university life to the full, from sourcing assistive technologies to organising alternative examination arrangements.

uniaccess.uwa.edu.au

Studying at university can be very different from your previous learning experiences and STUDYSmarter is there to help you to improve your study habits and learn more effectively. It gives you access to learning groups, workshops and online resources, as well as coaching in research techniques, time management, public speaking, assignment preparation and more.

studysmarter.uwa.edu.au

The Student Financial Aid Service can assist if you need financial help for emergencies or to cover expenses related to your education at UWA. It’s free and confidential, and can also provide information about other money matters such as income support and budgeting.

studentfinance.uwa.edu.au

At the Careers Centre, you can find help with long-term career planning or finding part-time employment while studying. It can also give advice on improving your résumé and interview skills, or put you in touch with future employers through career expos.

careers.uwa.edu.au

When health problems arise, UWA’s on-campus Medical Centre is your destination for comprehensive medical care.

student.uwa.edu.au/life/health/medical-centre

The UWA community also provides a professional and confidential counselling and psychological service for students, offering referrals to specialists on and off campus should you need them. The service is free for all students.

counselling.uwa.edu.au

For more spiritual guidance, the University has chaplains who are happy to provide pastoral care.

spirituallife.uwa.edu.au

Finding somewhere to live during your time at university can be one of the greatest challenges for students. The University can offer advice on accommodation options, housing issues and tenancy law, and runs an online accommodation database that you can access once you have accepted your offer from UWA.

housing.uwa.edu.au

For students with family commitments, the UWA Early Learning Centre can provide either part-time or full-time daycare for children aged from six weeks to five years.

childcare.uwa.edu.au
Facilities

UWA brings together heritage architecture and state-of-the-art teaching and research facilities to provide you with an ideal learning environment.

As a student, you can enjoy a range of recreational amenities and modern facilities, including lecture and performance theatres, tutorial spaces, studios, laboratories and more, to ensure you feel inspired to pursue your personal interests and career goals while studying.

**Barry J Marshall Library**
This library is UWA's hub for science students and researchers. Named after the University's Nobel Prize-winning professor, it has soundproofed study rooms, multimedia suites and a café on site.

**Bayliss Building**
Home to the School of Molecular Sciences, this five-storey building is a thriving centre for world-class research, with advanced labs on every level. It's also the largest building on the UWA campus and features an impressive DNA double helix design.

**Business School**
The UWA Business School educates tomorrow's leaders in a $50 million contemporary building, overlooking the Swan River.

**Clinical Training and Education Centre (CTEC)**
CTEC is Australia's premier medical and surgical skills training centre and one of the most advanced medical technology complexes in the world. Students are taught in the interactive hospital-style setting using cutting-edge simulations.

**Cultural Precinct**
The Cultural Precinct is UWA's cultural hub, supporting music, theatre, dance, literature and art exhibition programs. It also supports broader arts and cultural events that take place throughout the year, including collaborating with the Perth International Arts Festival.

**Guild Village**
The Guild Village is a hive of activity where you’ll find food outlets, bookshops, a print shop, banking facilities, hairdresser, travel agent, medical centre and other useful student amenities. Market day is held twice a week, where vendors sell a range of goods including clothing, jewellery, books, trinkets and more.

**Indian Ocean Marine Research Centre (IOMRC)**
UWA houses IOMRC, the largest marine research capability in the Indian Ocean Rim and a multimillion-dollar facility which will enable Australia to expand international research.

**Lawrence Wilson Art Gallery (LWAG)**
LWAG was the first art museum built at an Australian university and is regarded as one of the finest university galleries in Australia. The gallery presents a diverse exhibition program each year, including works from The University of Western Australia Art Collection, historical and contemporary art as well as travelling exhibitions.

**Oral Health Centre**
In partnership with the Western Australian Government, UWA has an Oral Health Centre offering students the most modern teaching and clinical services available.

**Reid Library**
With more than a million books in UWA's Reid Library, it's the largest academic library in Western Australia. Recent works doubled the number of collaborative student spaces and improved the facilities, technology and access available, as well as delivering a brand new café. If you can’t find what you’re looking for here, there are several specialist subject libraries around campus, including law, music, medical and dental, and more.

**Residential colleges**
UWA's five residential colleges are directly opposite the campus and offer a world-class living and learning environment. Each campus has its own distinct culture and provides a unique and valuable dimension to your university experience. As a resident, you will enjoy academic support; a full calendar of sporting, cultural and social events; leadership opportunities; and fantastic facilities.

**UWA Sport**
The University has swimming pools, tennis and squash courts and numerous social sports, clubs and outdoor programs including stand up paddle boarding, rock climbing and other environment-driven experiences.

**Coming up**
**EZONE UWA**
EZONE UWA will produce outstanding graduates and deliver innovative solutions in the fields of engineering and mathematical sciences. It will feature a network of flexible research, teaching and industry engagement spaces.
Design your future

UWA courses are designed to give you a competitive edge. Throughout your studies you will gain practical experience and learn valuable skills such as effective communication, problem-solving and research. These key competencies enable you to adapt to an ever-changing and rapidly developing world and help future-proof your career.

Build a degree that keeps your options open
Our flexible course structure enables you to choose units of study across different subject areas to discover your interests in fields as diverse as Accounting and Zoology, before deciding on a career.

Once you’ve discovered what you’re passionate about in your first year, you then specialise in your chosen area of study by selecting one or two majors.

Course building blocks

Major: This is the subject area you choose to specialise in within your bachelor’s (first) degree.

Core units: A core unit is one that must be taken to complete your chosen major. Some majors have set core units while others allow you to choose from a list of core unit options.

Complementary units: These are units which go hand-in-hand with your major. They are designed to provide you with additional knowledge to help you complete your major.

Broadening units
Broadening units add a valuable dimension to your studies and provide you with knowledge beyond the fields in which you choose to specialise. Undertaking broadening units is a requirement of the University’s undergraduate degree course structure.

Broadening units fall into two categories, A and B. You are required to take four broadening units of which at least one must be a ‘Category A’ broadening unit (up to two ‘Category A’ broadening units may be undertaken from within the knowledge area of your degree-specific major) and at least two broadening units (Category A or B) must be undertaken from outside the knowledge area of your degree-specific major.

Category A includes units:
(i) with a focus on the globalised and culturally diverse environment
(ii) in languages other than English
(iii) offered by the School of Indigenous Studies
(iv) undertaken for credit as part of a Student Exchange or Study Abroad program, where the unit is undertaken at a host institution
(v) with mathematics and/or statistical theory as their core teaching content

Category B comprises units from any discipline outside the knowledge area of your degree-specific major (subject to meeting unit prerequisites).

Elective units: Also known as ‘free choice’ units. These units give you a great opportunity to explore other areas of interest and expand your knowledge.
Our courses are adaptable so you can choose to focus on a specific career, pursue your personal interests, or both.

Pursue one or two majors
Concentrate on a single major if you are already focused on a specific career or area of interest. If you want to keep your options open or have more than one passion, you can complete two majors in the same time at no extra cost.

Still working it out?
If you’re not sure what path to take in your first year, you can try different areas of study. You could study subjects as diverse as Marine Science, Sport Science, Italian and Marketing. This would give you a good cross section of subjects and help you work out what you’re best suited to and enjoy the most. Then, in your second year, you’d be in a great position to confidently choose a major in one of these areas. The units studied in your first year will count towards your degree and when you finish your studies, you’ll not only be job-ready but have a diverse skillset that will benefit you throughout your career.

Choosing Sport Science as a major

<table>
<thead>
<tr>
<th>SEM</th>
<th>Major</th>
<th>Complementary</th>
<th>Broadening A or B</th>
<th>2nd Major / Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEM 1</td>
<td>SPORT SCIENCE</td>
<td>MARINE SCIENCE</td>
<td>CHINESE</td>
<td>MANAGEMENT</td>
</tr>
<tr>
<td>SEM 2</td>
<td>SPORT SCIENCE</td>
<td>MARINE SCIENCE</td>
<td>CHINESE</td>
<td>MANAGEMENT</td>
</tr>
<tr>
<td>SEM 1</td>
<td>SPORT SCIENCE</td>
<td>SERVICE LEARNING</td>
<td>HUMAN BIOLOGY</td>
<td>MANAGEMENT</td>
</tr>
<tr>
<td>SEM 2</td>
<td>SPORT SCIENCE</td>
<td>STUDY ABROAD</td>
<td>PHYSICAL HEALTH &amp; FITNESS</td>
<td>ACCOUNTING</td>
</tr>
<tr>
<td>SEM 1</td>
<td>SPORT SCIENCE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEM 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Unit structure

Aboriginal Health and Wellbeing
study.uwa.edu.au/aboriginal-health
handbooks.uwa.edu.au/aboriginal-health

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Aboriginal Encounters: Strangers in our Backyard
• Boodjar Moort Katitjin: Introduction to Indigenous Heritage and Knowledge

Level 2 Core units
• Aboriginal Health and Wellbeing
• Indigenous Knowledge: Mind, Body and Spirit

Level 3 Core units
• Aboriginal Health Community Organisation Placement
• Aboriginal Health Research Project
• Aboriginal Social and Emotional Wellbeing
• Indigenous Research

Complementary units
Students nominating Aboriginal Health and Wellbeing as their degree-specific major in the Bachelor of Biomedical Science or Bachelor of Philosophy (Honours) course must also study:
• Communication and Project Planning in Health
• Foundations of Epidemiology and Biostatistics
• Human Biology II: Being Human
• Human Biology III: Becoming Human

Accounting
study.uwa.edu.au/accounting
handbooks.uwa.edu.au/accounting

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Financial Accounting
• Introduction to Finance

Level 2 Core units
• Corporate Accounting
• Management Accounting
Optional:
• Taxation

Level 3 Options (Select four)
(Or three if Taxation unit is chosen at Level 2) including at least one from Financial Accounting: Theory and Practice or Strategic Management Accounting:
• Advanced Corporate Accounting
• Auditing
• Contemporary Managerial Accounting
• Financial Accounting: Theory and Practice
• Financial Statement Analysis
• Performance Measurement and Evaluation
• Strategic Management Accounting

Complementary units
Students nominating Accounting as their degree-specific major in the Bachelor of Commerce or Bachelor of Philosophy (Honours) course must also study:
• Economic and Business Statistics
• Marketing Management
• Microeconomics: Prices and Markets
• Organisational Behaviour

Agricultural Science
study.uwa.edu.au/agriculture
handbooks.uwa.edu.au/agriculture

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Frontiers in Biology
• Plant and Animal Biology

Level 2 Core units
• Pasture and Livestock Systems
• Soil Science

Level 3 Core units
• Agricultural Economics and Marketing
• Clean, Green and Ethical Animal Production
• Crops and Cropping Systems
• Soil-Plant Interactions

Complementary units
Students nominating Agricultural Science as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
• Communicating Science
• Science, Society and Data Analysis
• Plants in Action
• Principles of Inheritance

Anatomy and Human Biology
study.uwa.edu.au/anatomy
handbooks.uwa.edu.au/anatomy

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Human Biology I: Becoming Human
• Human Biology II: Being Human

Level 2 Options
Select one:
• Biological Anthropology: Human Adaptation and Variation
• Human Reproductive Biology
• Plus one of the following:
  • Human Organs and Systems
  • Human Structure and Development

Level 3 Options
Select one:
• Human Biology: Applications and Investigations I
• Human Biology: Applications and Investigations II
Plus three of the following:
• Biological Anthropology: Genes and Society
• Cells, Tissues and Development
• Human Evolutionary Ecology
• Human/Primate Social Organisation
• Human Reproduction
• Human Structure and Function

Complementary units
Students who have not completed Mathematics Applications ATAR or higher must also study Mathematics Fundamentals

Anthropology and Sociology
study.uwa.edu.au/anthropology
handbooks.uwa.edu.au/anthropology

COURSE REQUIREMENTS
Prerequisites: None
Recommended: None

Course structure
Level 1 Core units
• Being Human: Culture, Identity and Society
• Global Change, Local Responses

Level 2 Core unit and options
• Social Thought
Plus two of the following:
• Aboriginal Art and Society
• Australian Society
• Constructing Cultures through Media
• Environment, Power and Disasters in Asia
• Popular Culture in Asia
• Refugees, Human Rights, Violence and Fear
• Religion in Society
• Sex, Gender and Social Life
• Society, Law and Politics

Level 3 Core unit and options
• Ethnography: Methodological Perspectives
Plus two of the following:
• Contemporary Social Thought
• Engaged Anthropology
• Environment, Landscape and Place
• Indigenous Australia
• Mind, Body, Culture
• Migration, Mobilities, Belonging
• Social Meaning of Money
• The Social Worlds of the Indo-Pacific

Archaeology
study.uwa.edu.au/archaeology
handbooks.uwa.edu.au/archaeology

COURSE REQUIREMENTS
Prerequisites: None
Recommended: None

Course structure
Level 1 Core units
• Discoveries in Archaeology
• Archaeology Today: Principles and Themes
Level 2 Options (Select two)
- Archaeology of Colonisation and Contact
- Archaeology of Rock Art
- Historical Archaeology
- Rock Art Field Unit
- The Emerging Human

Level 3 Options (Select four)
- Archaeological Field Methods
- Archaeological Laboratory Methods
- Archaeological Method and Theory
- Archaeology of East and Southeast Asia: Origins to Civilisation
- Archaeology of Indigenous Australia
- Archaeology of Europe: Neanderthals to Homer
- Making History
- Roman Archaeology
- Roman Britain

Biochemistry and Molecular Biology
study.uwa.edu.au/biochemistry
handbooks.uwa.edu.au/biochemistry

**COURSE REQUIREMENTS**

*Prerequisites:* Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

*Recommended:* Mathematics Methods ATAR and Chemistry ATAR

**Course structure**

- **Level 1 Core unit and Option**
  - Molecular Biology of the Cell
  - Plus one of the following:
    - Biological Chemistry
    - Chemistry—Structure and Reactivity

- **Level 2 Core units**
  - Biochemistry and Molecular Biology of the Cell
  - Biochemical Regulation of Cell Function

- **Level 3 Core units**
  - Cellular Biochemistry
  - Molecular Biology
  - Omics—Global Approaches to Cell Function
  - Structural and Functional Biochemistry

**Complementary units**

- Students with ATAR Chemistry take Chemistry—Properties and Energies and Statistics for Science.
- Students without Chemistry ATAR take Introductory Chemistry and Statistics for Science.

Botany
study.uwa.edu.au/botany
handbooks.uwa.edu.au/botany

**COURSE REQUIREMENTS**

*Prerequisites:* Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree

*Recommended:* Mathematics Methods ATAR

**Course structure**

- **Level 1 Core units**
  - Frontiers in Biology
  - Plant and Animal Biology

- **Level 2 Core units**
  - Ecology
  - Plants in Action
  - Plant Diversity and Evolution

- **Level 3 Core units**
  - Australian Vegetation
  - Ecological Processes
  - Plant Physiological Ecology

**Complementary units**

- Students nominating Botany as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
  - Communicating Science
  - Microeconomics: Prices and Markets
  - The Molecules of Life

Chemistry
study.uwa.edu.au/chemistry
handbooks.uwa.edu.au/chemistry

**COURSE REQUIREMENTS**

*Prerequisites:* Mathematics Methods ATAR or Mathematics Applications ATAR with additional Mathematics units taken in the first year, and Chemistry ATAR or an additional Chemistry unit taken in the first year

*Recommended:* Mathematics Specialist ATAR, Mathematics Methods ATAR and Chemistry ATAR

**Course structure**

- **Level 1 Core units**
  - Chemistry—Properties and Energetics
  - Chemistry—Structure and Reactivity

- **Level 2 Core units**
  - PHYSICAL AND ANALYTICAL SPECIALISATION:
    - Core Chemical Concepts and Techniques
    - Physical and Analytical Chemistry
  - SYNTHETIC SPECIALISATION:
    - Core Chemical Concepts and Techniques
    - Chemical Synthesis

- **Level 3 Core units and options**
  - Chemical Explorations
  - Essential Chemical Skills
  - PHYSICAL AND ANALYTICAL SPECIALISATION:
    - Select two of the following:
      - Chemistry Beyond the Laboratory
      - Chemical Spectroscopy and Structure
      - The Chemistry of Reactions
  - SYNTHETIC SPECIALISATION:
    - Select two of the following:
      - Advanced Chemical Synthesis
      - Synthetic Applications
      - The Molecules of Life

**Complementary units**

- Students without Mathematics Methods ATAR take Mathematics Fundamentals and Mathematics Foundations: Methods
Chinese
study.uwa.edu.au/chinese
handbooks.uwa.edu.au/chinese

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Intermediate

- Chinese 1
- Chinese 2

Level 2 Beginners

- Chinese 3
- Chinese 3A
- Chinese 4

Level 3 Beginners

- Chinese 5
- Chinese 6
- Social Issues in Contemporary China

Level 1 Pre-intermediate

- Chinese 3
- Chinese 3A

Level 2 Pre-intermediate

- Chinese 4
- Chinese 5
- Chinese 6

Level 3 Pre-intermediate

- Chinese 7
- Chinese 8
- Social Issues in Contemporary China

Level 1 Intermediate

- Chinese 4

Level 2 Intermediate

- Chinese 5
- Chinese 6
- Plus one of the following:
  - Australia and Asia
  - Culture, Society and the State in Asia
  - Environment, Power and Disasters in Asia
  - Popular Culture in Asia

Level 3 Intermediate

- Chinese 7
- Chinese 8
- Social Issues in Contemporary China

Level 1 Advanced

- Chinese 5
- Chinese 6

Level 2 Advanced

- Chinese 7
- Chinese 8
- Plus one of the following:
  - Australia and Asia
  - Culture, Society and the State in Asia
  - Environment, Power and Disasters in Asia
  - Popular Culture in Asia

Level 3 Advanced

- Chinese 9
- Chinese 10
- Social Issues in Contemporary China

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Computer Science
study.uwa.edu.au/computer-science
handbooks.uwa.edu.au/computerscience

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR or additional Mathematics unit(s) taken in your first year
Recommended: Mathematics Methods ATAR

Course structure

Level 1 Core units

- Object-oriented Programming and Software Engineering
- Relational Database Management Systems

Level 2 Core units

- Data Structures and Algorithms
- Systems Programming

Level 3 Core units

- Algorithms, Agents and Artificial Intelligence
- Graphics and Animation
- Networks and Security
- Professional Computing

Complementary units

Students nominating Computer Science as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:

- Discrete Structures
- Global Challenges in Engineering
- Mathematics Foundations: Methods (for students who do not have Mathematics: Methods ATAR or higher)

Conservation Biology
study.uwa.edu.au/conservation
handbooks.uwa.edu.au/conservation

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure

Level 1 Core units

- Frontiers in Biology
- Plant and Animal Biology

Level 2 Core units

- Conservation Biology
- Ecology

Level 3 Core units

- Ecosystem Restoration
- Ecological Processes
- Saving Endangered Species
- Wildlife Conservation and Management

Complementary units

Students nominating Conservation Biology as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:

- Communicating Science
- Science, Society and Data Analysis
- Principles of Inheritance
- Or the following (for Albany campus only)
- Global Climate Change and Biodiversity
- Geographic Information Systems
Data Science
study.uwa.edu.au/data-science
handbooks.uwa.edu.au/datascience

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Problem Solving and Programming
• Relational Database Management Systems
Level 2 Core units
• Computer Analysis and Visualisation
• Systems Programming
Level 3 Core units
• Agile Web Development
• Data Warehousing
• High Performance Computing
• Professional Computing

Complementary units
Students nominating Data Science as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
• Analysis of Experiments
• Global Challenges in Engineering
• Mathematics Fundamentals (for students who do not have Mathematics Methods ATAR or higher)
• Statistics for Science

Economics
study.uwa.edu.au/economics
handbooks.uwa.edu.au/economics

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR
Additional Mathematics unit(s) may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Macroeconomics: Money and Finance
• Microeconomics: Prices and Markets
Level 2 Core units and options
• Business Econometrics
• Macroeconomics: Policy and Applications
• Microeconomics: Policy and Applications
Plus two of the following:
• Asia in the World Economy
• Business Economics
• Rise of the Global Economy
Level 3 Core units and options
• Applied Macroeconomics
• Applied Microeconomics
• Intermediate Mathematics for Economists
Plus four of the following (including at least one from Economic Policy, International Finance, or International Trade):
• Advanced Mathematics for Economists
• Development Economists
• Econometrics
• Economic Policy
• Finance and Economics for Minerals and Energy
• Game Theory and Strategic Thinking
• Health Economics
• History of Economic Ideas
• International Finance
• International Trade
• Monetary Economics
• Money, Banking and Financial Markets

Complementary units
Students nominating Economics as their degree-specific major in the Bachelor of Commerce or Bachelor of Philosophy (Honours) course must also study:
• Economic and Business Statistics
• Financial Accounting
• Marketing Management
• Organisational Behaviour

Economics, Professional
study.uwa.edu.au/professional-economics
handbooks.uwa.edu.au/professionaleconomics

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR
Additional Mathematics unit(s) may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Macroeconomics: Money and Finance
• Microeconomics: Prices and Markets
Level 2 Core units and options
• Business Econometrics
• Macroeconomics: Policy and Applications
• Microeconomics: Policy and Applications
Plus two of the following:
• Asia in the World Economy
• Business Economics
• Rise of the Global Economy
Level 3 Core units and options
• Applied Macroeconomics
• Applied Microeconomics
• Intermediate Mathematics for Economists
Plus four of the following (including at least one from Economic Policy, International Finance, or International Trade):
• Advanced Mathematics for Economists
• Development Economists
• Econometrics
• Economic Policy
• Finance and Economics for Minerals and Energy
• Game Theory and Strategic Thinking
• Health Economics
• History of Economic Ideas
• International Finance
• International Trade
• Monetary Economics
• Money, Banking and Financial Markets

Complementary units
Students nominating Professional Economics as their degree-specific major in the Bachelor of Commerce or Bachelor of Philosophy (Honours) course must also study:
• Economic and Business Statistics
• Financial Accounting
• Marketing Management
• Organisational Behaviour

Engineering Science
study.uwa.edu.au/engineering
handbooks.uwa.edu.au/engineering

COURSE REQUIREMENTS
Prerequisites: Mathematics Specialist ATAR,
Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR

Course structure
Level 1 Core units
• Global Challenges in Engineering
• Material Behaviour from Atoms to Bridges
• Mathematical Theory and Methods
• Multivariable Calculus
Plus the following:
• Chemistry - Structure and Reactivity (for students in Chemical Engineering); or
• Object-oriented Programming and Software Engineering (for students in Software Engineering); or
• Physics for Scientists and Engineers (for students not in Chemical Engineering or Software Engineering)
Level 2 Core units
• Energy
• Motion
Plus the following:
• Computer Analysis and Visualisation (for students not in Software Engineering);
• Data Structures and Algorithms (for students in Software Engineering);
• Systems Programming (for students in Software Engineering)
Level 3 Core units
CHEMICAL SPECIALISATION:
• Chemical Process Thermodynamics
• Fluid Mechanics
• Heat and Mass Transfer
• Mass and Energy Balances
• Process Synthesis and Design
• Unit Operations and Unit Processes
ENVIRONMENTAL ENGINEERING:
• Advanced Mathematics Applications
• Circuits and Electronics
• Digital Embedded Systems
• Electronic Materials and Devices
• Power and Machines
• Signals and Systems
MECHANICAL ENGINEERING:
• Advanced Mathematics Applications
• Fluid Mechanics
• Heat and Mass Transfer
• Materials and Manufacturing
• Mechanics and Machines
• Solid Mechanics
MINING ENGINEERING:
• Advanced Mathematics Applications
• Fluid Mechanics
• Heat and Mass Transfer
• Materials and Manufacturing
• Mechanisms and Machines
• Solid Mechanics
SOFTWARE ENGINEERING:
• Cybersecurity
• Digital Embedded Systems
• High Performance Computing
• Networks and Security
• Professional Computing

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English and Cultural Studies

study.uwa.edu.au/english
handbooks.uwa.edu.au/english

Course requirements

Prerequisites: None
Recommended: None

Course structure

Level 1 Core units

- Disasters!
- Environmental Science and Technology

Level 2 Core units

Biology specialisation:
- Ecological Processes
Earth specialisation:
- Land Rehabilitation

Complementary units

Students nominating Environmental Science as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
- Science, Society and Data Analysis
- Communicating Science

Biology specialisation:
- Plant and Animal Biology
- Geographic Information Systems
  (Albany campus only)
- Soil Science (Perth campus only)

Earth specialisation:
- Geographical Information Systems
- The Climate System
- The Dynamic Planet

Exercise and Health

study.uwa.edu.au/exercise-health
handbooks.uwa.edu.au/exercisehealth

Course requirements

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: None

Course structure

Level 1 Core units

- Applied Anatomy and Athletic Performance
- The Musculoskeletal System and Movement

Level 2 Core units

- Exercise Physiology
- Promoting Lifelong Physical Activity
- Psychosocial Aspects of Sport, Exercise and Health

Level 3 Core units and option

- Exercise Prescription and Nutrition for Health and Fitness
- Lifespan Motor Development

Plus one of the following:
- Coaching Psychology
- Psychology of Sport

Complementary units

Students nominating Exercise and Health as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
- Mathematics Fundamentals (for students without Mathematics prerequisites)
- Physical Fitness and Health
- Psychology: Behaviour in Context

Financial

study.uwa.edu.au/finance
handbooks.uwa.edu.au/finance

Course requirements

Prerequisites: None
Recommended: None

Course structure

Level 1 Core units

- Financial Accounting
- Introduction to Finance

Level 2 Core unit and options

- Corporate Financial Policy

Plus two of the following:
- Business Analysis and Valuation
- Derivative Products and Markets
- Financial Planning
- Quantitative Methods for Finance

Level 3 Core unit and options

- Investment Analysis

Plus two of the following:
- Applied Financial Management
- Banking: Theory and Practice
- Derivative Strategies and Pricing
- International Finance
- Trading in Securities Markets

Complementary units

Students nominating Finance as their degree-specific major in the Bachelor of Commerce or Bachelor of Philosophy (Honours) course must also study:
- Economic and Business Statistics
- Marketing Management
- Microeconomics: Prices and Markets
- Organisational Behaviour

Environmental Science

study.uwa.edu.au/environment
handbooks.uwa.edu.au/environment

Course requirements

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure

Level 1 Core units

- American Literature: the Search for Justice
- Australia and Home
- Australian Literature: Classic and Popular
- Creative Writing: Theory and Practice
- Meaning and the Moving Image
- Modernism
- Narrative and Culture in Pre-modern England
- Reading Popular Culture
- Romanticism and Change in the Long Nineteenth Century
- Shakespeare and Early Modern Studies
- Transcultural Literatures
- Twentieth-century Narratives: Making it New
- Utopia, Imagination and Modernity in European Culture
- World Theatre: Cultures and Contents

Level 2 Options (Select two)

- American Literature: the Search for Justice
- Australia and Home
- Australian Literature: Classic and Popular
- Creative Writing: Theory and Practice
- Meaning and the Moving Image
- Modernism
- Narrative and Culture in Pre-modern England
- Reading Popular Culture
- Romanticism and Change in the Long Nineteenth Century
- Shakespeare and Early Modern Studies
- Transcultural Literatures
- Twentieth-century Narratives: Making it New
- Utopia, Imagination and Modernity in European Culture
- World Theatre: Cultures and Contents

Level 3 Options (Select four)

- Autobiographical Writing
- Interpretations: Literary Theory
- Love and Death in the Renaissance: Reading the Early Modern Period 1450–1700
- Poetry and Poetics
- Reading the Middle Ages
- Regionalism in Australian Literature
- Shakespeare: Text to Stage and Screen
- Texting the Global
- The Arthurian Legend
- The European Individual
- Transnational Cinema
- Victorian Dreams and the Technological World

French Studies

study.uwa.edu.au/french
handbooks.uwa.edu.au/french

Course requirements

Prerequisites: None
Recommended: None

Course structure

Level 1 Options (Select two)

- Art and Life Manipulation
- Art and Life Manipulation
- Art and Life Manipulation
- Art and Life Manipulation
- Art and Life Manipulation

Level 2 Options (Select three)

- Aesthetic Crossovers of Art and Science
- Art and Life Manipulation
- Art and Life Manipulation
- Art and Life Manipulation
- Art and Life Manipulation

Level 3 Options (Select four)

- Advanced Major Project
- Advanced Studio

Handbooks
Level 1 Intermediate*1
• French Studies 3
• French Studies 4

Level 2 Intermediate
• French Studies 5
• French Studies 6
• French Studies 12

Level 3 Intermediate
• French Studies 7
• French Studies 8
• Plus one Level 3 option

Level 1 Advanced*2
• French Studies 5
• French Studies 6

Level 2 Advanced
• Italian Studies 7
• Italian Studies 8
• French Studies 12

Level 3 Advanced
• French Studies 9
• Specialist French Studies 13
• Specialist French Studies 14

Level 3 options:
• Specialist French Studies 13
• Specialist French Studies 14

Study Abroad
• Exchange to France
• Students may substitute four units (24 points) for an exchange to France after they have completed one year of French language studies.

*1 Students should consult European Languages and Studies in the School of Humanities before enrolling to determine the appropriate major. If they are unsure about the appropriate major for their level of French.

*2 This major is incompatible with a pass in French: Background Language ATAR or higher.

**1 Admission to this major requires a pass in French: Background Language ATAR. It is incompatible with a pass in German: Second Language A level. Students should consult European Languages and Studies in the School of Humanities before enrolling to determine the appropriate major. If they are unsure about the appropriate major for their level of German.

Level 1 Beginners*3
• German Studies 1
• German Studies 2

Level 2 Beginners
• German Studies 3
• German Studies 3B
• German Studies 4

Level 3 Beginners
• German Studies 5
• German Studies 6
• German Studies 13

Level 1 Pre-intermediate*4
• German Studies 3
• German Studies 3B

Level 2 Pre-intermediate
• German Studies 4
• German Studies 5
• German Studies 6

Level 3 Pre-intermediate
• German Studies 7 and 8 or
• German Studies 9 and 10, and
• German Studies 13

Level 1 Intermediate*5
• German Studies 3
• German Studies 4

Level 2 Intermediate
• German Studies 5
• German Studies 6
• German Studies 12

Level 3 Intermediate
• German Studies 7 and 8, or
• German Studies 9 and 10, and
• German Studies 13

Level 1 Advanced*6
• German Studies 5
• German Studies 6

Level 2 Advanced
• German Studies 7 and 8, or
• German Studies 9 and 10, and
• German Studies 12

Level 3 Advanced
• German Studies 7 and 8, or
• German Studies 9 and 10, and
• German Studies 13

Study Abroad
Exchange to Aachen, Berlin, Freiburg, Koblenz or Tübingen
This may be substituted for four Level 2 or Level 3 units (24 points).

**1 This major is available to students assessed by the discipline as near-native speakers.
History

study.uwa.edu.au/history
handbooks.uwa.edu.au/history

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Options (Select two)
- Contemporary European Culture in Historical Perspective
- Environmental History
- Gender in Australia
- Old Worlds and New Empires
- Society and Culture in Pre-modern Europe

Level 2 Options (Select three)
- Civilisation and Barbarism in European Cultural History
- Crises and Controversies in Australian History
- Europe's Crusades to Black Death
- From 'Glorious Revolution' to Industrial Revolution: Making Britain, 1688–1888
- Hitler, the Holocaust and the Historians
- Imperial America—1845 to Present
- Looking for Australia: From the Deep Past to Federation
- Masculinity, Nostalgia and Change
- Medieval and Early Modern Women
- Restaging the Past: Cinema and the Practice of History
- The City in History
- The Rise and Fall of European Fascism
- Thinking History
- Renaissance, Reformation, Revolt: Europe 1450–1650
- White Supremacy

Level 3 Options (Select three)
- African American History: Freedom Struggles from Plantation to Prison and Beyond
- Crime and Punishment in Britain 1600–1900
- Early Modern France 1500–1789
- Eyewitness to the Past: Photography and History
- Feminist Thought
- From Sudan to Saddam: Australia’s Foreign Wars
- Imagining the Nation in European Cultural History
- Intimate Strangers: Journeys in Australian History
- Introduction to African History
- Making History
- Mythology: Science Fiction, Fantasy and the Historical Imagination
- Mysticism, Materiality and Madness
- Russia and the Soviet Union in the Twentieth Century
- The Vikings
- Twentieth-century Britain
- Western Australia: History and Heritage

Human Geography and Planning

study.uwa.edu.au/human-geog-planning
handbooks.uwa.edu.au/humangeogplanning

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Core units
- Geographies of a Global City
- Disasters

Level 2 Core units
- Geographies of Economic Development
- Social Geography and Planning

Level 3 Core units
- Environmental Policy and Planning
- Geographic, Environment and Planning Fieldwork
- Regional Development and Planning
- Urban Planning and Design

Complementary units
- Students nominating Human Geography and Planning as their degree-specific major in the Bachelor of Arts or Bachelor of Philosophy (Honours) course must also study:
  - Geographic Information Systems
  - Reading Landscapes: People and Processes (required for degree-specific and second major)

Indigenous Knowledge, History and Heritage

study.uwa.edu.au/indigenous-knowledge
handbooks.uwa.edu.au/indigenousknowledge

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Core units and option
- Aboriginal Encounters: Strangers in our Backyard
- Bloodjar Moor Kaltijin: Introduction to Indigenous Heritage and Knowledge
- Plus one of the following:
  - English Language and Academic Communication I
  - English Language and Academic Communication II

Level 2 Core units and option
- Indigenous Knowledge: Mind, Body and Spirit
- Knowing Country: The Dreaming and Darwin
-PH

Level 3 Core unit and options
- Indigenous Research
- Plus two of the following:
  - Indigenous Design Studio
  - Indigenous People and Global Issues
  - Indigenous Ways of Knowing 3
  - Intimate Strangers: Journeys in Australian History
  - Sharing Space

Indonesian

study.uwa.edu.au/indonesian
handbooks.uwa.edu.au/indonesian

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Beginners
- Indonesian 1
- Indonesian 2

Level 2 Beginners
- Indonesian 3
- Indonesian 3A
- Indonesian 4
Level 1 Beginners
- Indonesian 5
- Indonesian 6
- Indonesian Politics and Culture

Level 1 Pre-intermediate
- Indonesian 3
- Indonesian 3A

Level 2 Pre-intermediate
- Indonesian 4
- Indonesian 5
- Indonesian 6

Level 3 Pre-intermediate
- Indonesian 7
- Indonesian 8
- Indonesian Politics and Culture

Level 1 Intermediate
- Indonesian 3
- Indonesian 4

Level 2 Intermediate
- Indonesian 5
- Indonesian 6
- Plus one of the following:
  - Australia and Asia
  - Culture, Society and the State in Asia
  - Environment, Power and Disasters in Asia
  - Popular Culture in Asia

Level 3 Intermediate
- Indonesian 7
- Indonesian 8
- Indonesian Politics and Culture

Study Abroad
Indonesian Field Study (equivalent to two Indonesian language units)
Provides intensive language study at an Indonesian university over six to eight weeks during summer break.
Indonesian In-country (equivalent to four Indonesian language units)
This is a full-time semester of study in Indonesia. It may be substituted for any four units (24 points) of the Indonesian major after completing Indonesian 3 or equivalent (for Beginners) or Indonesian 4 or equivalent (for Pre-Intermediate and Intermediate).
1. Students should consult Asian Studies in the School of Social Sciences before enrolling to determine the appropriate major, if they are uncertain about the appropriate major for their level of Indonesian.
2. Students should consult European Languages and Studies in the School of Humanities before enrolling to determine the appropriate major, if they are uncertain about the appropriate major for their level of Italian.
3. This major is incompatible with a pass in Italian: Background Language ATAR or higher.
4. Admission to this major requires a pass in Italian: Second Language ATAR.
5. Admission to this major requires a pass in Italian: Second Language ATAR.

Italian Studies
study.uwa.edu.au/italian
handbooks.uwa.edu.au/italian

COURSE REQUIREMENTS
Prerequisites: None
Recommended: None

Course structure

Level 1 Beginners
- Italian Studies 1
- Italian Studies 2

Level 2 Beginners
- Italian Studies 3
- Italian Studies 4
- Italian Culture in Word and Image: from the Middle Ages to the Risorgimento

Level 3 Beginners
- Italian Studies 5
- Italian Studies 6
- Plus one of the following:
  - Italian and Migration
  - Sociolinguistics of Contemporary Italy

Level 1 Intermediate
- Italian Studies 3
- Italian Studies 4

Level 2 Intermediate
- Italian Studies 5
- Italian Studies 6
- The Shape of Italian: Communicating Between Worlds

Level 3 Intermediate
- Italian Studies 7
- Italian Studies 8
- Plus one Level 3 option

Level 1 Advanced
- Italian Studies 5
- Italian Studies 6

Level 2 Advanced
- Italian Studies 7
- Italian Studies 8
- The Shape of Italian: Communicating Between Worlds

Level 3 Advanced
- Italian Studies 9
- Italian Studies 10
- Plus one Level 3 option

Level 3 options:
- Italian Studies 13
- Italian Studies 14

Study Abroad
Exchange to Italy
Students may substitute four units (24 points) for an exchange to Italy after they have completed one year of Italian language studies.

Bergamo Program (runs during the semester break in July)
This may be substituted for one Level 2 or Level 3 unit (6 points).
1. Students should consult European Languages and Studies in the School of Humanities before enrolling to determine the appropriate major, if they are uncertain about the appropriate major for their level of Italian.
2. This major is incompatible with a pass in Italian: Background Language ATAR or higher.
3. Admission to this major requires a pass in Italian: Second Language ATAR.
4. This major is available to students assessed by the discipline as near-native speakers.

Japanese
study.uwa.edu.au/japanese
handbooks.uwa.edu.au/japanese

COURSE REQUIREMENTS
Prerequisites: None
Recommended: None

Course structure

Level 1 Beginners
- Japanese 1
- Japanese 2

Level 2 Beginners
- Japanese 3
- Japanese 3A
- Japanese 4

Level 3 Beginners
- Issues in Japanese Society and Culture
  - Japanese 5
  - Japanese 6

Level 1 Pre-intermediate
- Japanese 3
- Japanese 3A

Level 2 Pre-intermediate
- Japanese 4
- Japanese 5
- Japanese 6

Korean Studies
study.uwa.edu.au/korean
handbooks.uwa.edu.au/korean

COURSE REQUIREMENTS
Prerequisites: None
Recommended: None

Course structure

Level 1 Beginners
- Korean 1
- Korean 2

Level 2 Core units
- Korean 3
- Korean 4
- Readings in Korean Culture

Level 3 Core units
- Contemporary Korean Society
  - Korean 5
  - Korean 6

1. Korean Studies major is taught from ab initio basis and no previous knowledge of Korean is required. As the major is only offered from beginner level, candidates with existing competence in Korean Language should contact the course convenor to discuss whether they will be able to enrol to study for the major.
Landscape Architecture

study.uwa.edu.au/landscape
handbooks.uwa.edu.au/landscape

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Core units
- Landscape Architecture Studio—Groundings
- Techniques of Visualisation

Level 2 Core units
- Landscape Architecture Studio—Considerations
- Landscape Architecture Studio—Speculations
- Site Manipulation

Level 3 Core units
- Landscape Architecture Studio—Expansions
- Landscape Architecture Studio—Resolutions
- Plants and Landscape Systems

Complementary units
Students nominating Landscape Architecture as their degree-specific major in the Bachelor of Arts of Bachelor of Philosophy (Honours) course must also study:
- Future Making
- History and Theory of Landscape Architecture
- Structures and Natural Systems

Level 2 Core units
- Grammatical Theory: the Structure of Sentences
- Language, Culture and Society
- Phonetics and Phonology: the Sounds of the World's Languages

Level 3 Core options (Select three)
- Historical Linguistics: Language History and Language Change
- Linguistics of Australian Indigenous Languages
- Linguistic Typology: the Diversity of Languages
- Morphology: the Structure of Words
- Pragmatics: Meaning in Use
- Semantics: Meaning in Language
- Topics in Linguistic Theory

Level 2 Core units
- Marine Biology
- Marine Systems

Level 3 Core units
- Coastal Conservation and Management
- Ecological Processes
- Field Techniques in Marine Science
- Oceanography

Complementary units
Students nominating Marine Science as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (honours) course must also study:
- Communicating Science
- Geographic Information Systems
- Global Climate Change and Biodiversity
- Science, Society and Data Analysis

Management

study.uwa.edu.au/management
handbooks.uwa.edu.au/management

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR Additional Mathematics unit(s) may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure

Level 1 Core units
- Management and Organisations
- Organisational Behaviour

Level 2 Options (Select two)
- Cultural Foundations of Asian Business
- Human Resource Management
- International Management
- Organisational Learning and Innovation
- Project Management

Level 3 Options (Select four)
( Including at least one from Enterprise Systems, Applied International Business Strategy or Strategic Management):
- Applied International Business Strategy
- Decision Making
- Enterprise Systems
- Entrepreneurship
- Information Systems Management
- Leadership and Performance
- Managing Organisational Change
- Models of Asian Business
- Negotiation: Theory and Practice
- Strategic Management
- Supply Chain Management

Complementary units
Students nominating Management as their degree-specific major in the Bachelor of Commerce or Bachelor of Philosophy (Honours) course must also study:
- Economic and Business Statistics
- Financial Accounting
- Marketing Management
- Microeconomics: Prices and Markets

Marketing

study.uwa.edu.au/marketing
handbooks.uwa.edu.au/marketing

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR Additional Mathematics unit(s) may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure

Level 1 Core units
- Consumer Behaviour
- Marketing Management

Level 2 Core unit and option
- Marketing Research

Plus one of the following:
- Advertising and Promotion
- Small Business Management

Level 3 Core unit and options
- Strategic Marketing

Plus three of the following:
- Contemporary Marketing Issues
- Entrepreneurship
- International Marketing
- Marketing Applications
- New Product Development and Commercialisation
- Services Marketing

Complementary units
Students nominating Marketing as their degree-specific major in the Bachelor of Commerce or Bachelor of Philosophy (Honours) course must also study:
- Economic and Business Statistics
- Financial Accounting
- Microeconomics: Prices and Markets
- Organisational Behaviour

Mathematics and Statistics

study.uwa.edu.au/mathematics
handbooks.uwa.edu.au/mathematics

COURSE REQUIREMENTS

Prerequisites: Mathematics Specialist ATAR and Mathematics Methods ATAR OR Mathematics Methods ATAR with additional Mathematics units taken in the first year
Recommended: Mathematics Specialist ATAR and Mathematics Methods ATAR

Course structure

Level 1 Core units
- Plant and Animal Biology
- The Dynamic Planet

Law and Society

study.uwa.edu.au/law-society
handbooks.uwa.edu.au/law-society

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Core units
- Crime and Society
- Law, Conflict and Change

Level 2 Core unit and options
- Law in Action
- Plus two of the following:
  - Birth, Life, Death and the Law
  - Criminal Justice System
  - Evolution of Human Rights
  - Indigenous Peoples and the Law
  - International Legal Institutions
  - Work and the Law

Level 3 Core unit and options
- Law and Contemporary Social Issues
- Plus two of the following:
  - Art, Expression and the Law
  - Crime, Justice and Public Policy
  - Gender and the Law
  - Investigating Law and Society
  - Law and Religion

1 Not all units are available every year.

Linguistics

study.uwa.edu.au/linguistics
handbooks.uwa.edu.au/linguistics

COURSE REQUIREMENTS

Prerequisites: None
Recommended: None

Course structure

Level 1 Core units
- Language and Communication
- Language as a Cognitive System

Marine Science

study.uwa.edu.au/marine-science
handbooks.uwa.edu.au/marine-science

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure

Level 1 Core units
- Plant and Animal Biology
- The Dynamic Planet
Recommended: Mathematics Methods ATAR and or a Mathematics unit may be required as part of your degree.

Prerequisites:
- Mathematics Applications ATAR
- or a Mathematics unit may be required as part of your degree.

Course structure
- Level 1 Core units
  - Multivariable Calculus
  - Mathematical Theory and Methods
- Level 2 Core units (Select two)
  - Fundamentals of Probability with Applications
  - Introduction to Applied Mathematics
  - Introduction to Pure Mathematics
- Level 3 Core units (Select four)
  - Algebraic Structures and Symmetry
  - Analysis and Geometry
  - Dynamics and Control
  - Random Processes and their Applications
  - Scientific and Industrial Modelling
  - Statistical Science

Complementary units
- Students nominating Mathematics and Statistics as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
  - Communicating Science

Medical Sciences
study.uwa.edu.au/medical-sciences
handbooks.uwa.edu.au/medicalsciences

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree.

Recommended: Mathematics Methods ATAR

Course structure
- Level 1 Core units
  - Form and Function
  - The Facts of Life
- Level 2 Core units
  - Body Defences
  - Blood and Drugs
- Level 3 Core units
  - Body Systems and Disease I
  - Body Systems and Disease II
  - Body Systems and Disease III
  - Body Systems and Disease IV

Complementary units
- Students nominating Medical Sciences as their degree-specific major in the Bachelor of Biomedical Science, Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
  - Cell Survival and Communication
  - Essentials of Research in the Health and Medical Sciences
  - Human Development and Genetics
  - Understanding Health and Disease in People and Populations

Microbiology and Immunology
study.uwa.edu.au/microbiology
handbooks.uwa.edu.au/microbiology

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree.

Recommended: Mathematics Methods ATAR and Chemistry ATAR

Course structure
- Level 1 Core units
  - Molecular Biology of the Cell
  - Human Biology I: Becoming Human
  - Human Biology II: Being Human
- Level 2 Core units
  - Introduction to Infectious Diseases and Immunology
  - Introductory Microbiology
- Level 3 Core units
  - Applied and Environmental Microbiology
  - Bacteria and Bacterial Disease
  - Immunity and Infection
  - Viruses and Viral Disease

Complementary units
- Students nominating Microbiology and Immunology as their degree-specific major in the Bachelor of Biomedical Science, Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
  - Communicating Science

Music Studies
study.uwa.edu.au/music
handbooks.uwa.edu.au/music

COURSE REQUIREMENTS

Prerequisites: Audition to demonstrate a musical background equivalent to Music ATAR

Recommended: Music ATAR

Course structure
- Level 1 Core units
  - Communication Skills in Music
  - Popular Music in Global Perspective
- Level 2 Core units and option
  - Western Art Music 1 (Renaissance and Baroque)
  - Western Art Music 2 (Classical and Romantic)
- Level 3 Core units
  - Chamber Music
  - Music in World Cultures
  - Music in the Community
  - Music Language
  - Soundscapes of Australia

Complementary units
- Students nominating Music Studies as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
  - Music Analysis in Theory and Practice
  - Digital Audio
  - Music in World Cultures
  - Music Education in Research and Practice
  - Music Language
  - Soundscapes of Australia

Neuroscience
study.uwa.edu.au/neuroscience
handbooks.uwa.edu.au/neuroscience

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree.

Recommended: Mathematics Methods ATAR

Course structure
- Level 1 Core units
  - Environmental Economics 1
  - Geographies of a Global City
- Level 2 Core units
  - Environmental Economics 2
  - Quantitative Methods in Environmental Management
- Level 3 Core units
  - Business and the Environment
  - Decision Tools for Natural Resource Management
  - Environmental Policy and Planning
  - Project and Risk Management

Complementary units
- Students nominating Natural Resource Management as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
  - Communicating Science
  - Geographic Information Systems
  - Reading Landscapes: People and Processes
  - Science, Society and Data Analysis

Natural Resource Management
study.uwa.edu.au/natural-resource-mgmt
handbooks.uwa.edu.au/naturalresourcemgmt

COURSE REQUIREMENTS

Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree.

Recommended: Mathematics Methods ATAR and Chemistry ATAR

Course structure
- Level 1 Core units
  - Psychology: Mind and Brain
  - Psychology: Behaviour in Context
- Level 2 Core units
  - Human Neurobiology
  - Physiology of Cells
Mathematics Methods ATAR and Prerequisites:

**Course Requirements**

- Advanced Neuroscience 1
- Advanced Neuroscience 2
- Comparative Neurobiology
- Neuroscience

**Complementary units**

Students nominating Neuroscience as their degree-specific major in the Bachelor of Biomedical Science, Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:

- Communicating Science
- Frontiers in Biology, and Molecular Biology of the Cell
- Human Biology I: Becoming Human, and Human Biology II: Being Human
- Human Biology I: Becoming Human, and Molecular Biology of the Cell
- Cognitive Neuroscience
- Perception and Sensory Neuropsychology

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Pathology and Laboratory Medicine

study.uwa.edu.au/pathology
handbooks.uwa.edu.au/pathology

**Course Requirements**

- Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
- Recommended: Mathematics Methods ATAR and Chemistry ATAR

**Course Structure**

**Level 1 Core units and option**

- Molecular Biology of the Cell
- Plus one of the following:
  - Biological Chemistry
  - Chemistry—Structure and Reactivity

**Level 2 Core units**

- Foundations of Pharmacology
- Human Pharmacology

**Level 3 Core units**

- Molecular Pharmacology
- Molecular Pharmacology Methods
- Systems Pharmacology
- Systems Pharmacology Methods

**Complementary units**

Students nominating Physiology as their degree-specific major in the Bachelor of Biomedical Science, Bachelor of Science or Bachelor of Philosophy (Honours) course, or as their second major in other degree courses, must also study:

- Mathematical Methods 3
- Mathematical Theory and Methods
- Multivariable Calculus

---

**Physiology**

study.uwa.edu.au/physiology
handbooks.uwa.edu.au/physiology

**Course Requirements**

- Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
- Recommended: Mathematics Methods ATAR and Chemistry ATAR

**Course Structure**

**Level 1 Options (Select two)**

- Frontiers in Biology
- Human Biology I: Becoming Human
- Human Biology II: Being Human
- Molecular Biology of the Cell

**Level 2 Core units**

- Physiology of Cells
- Physiology of Human Body Systems

**Level 3 Core units**

- Physiology of Cardiovascular and Respiratory Systems
- Physiology of Integrated Organ Function
- Physiology of Membranes, Muscles and Signalling
- Physiology of Nutrition and Metabolism

**Complementary units**

Students nominating Physiology as their degree-specific major in the Bachelor of Biomedical Science, Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:

- Introductory Chemistry
- Mathematics Fundamentals (for students who do not meet the Mathematics prerequisite)

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**Pharmacology**

study.uwa.edu.au/pharmacology
handbooks.uwa.edu.au/pharmacology

**Course Requirements**

- Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
- Recommended: Mathematics Methods ATAR and Chemistry ATAR

**Course Structure**

**Level 1 Core units**

- Modern Physics
- Physics for Scientists and Engineers

**Level 2 Core units**

- Quantum Mechanics 1 and Electromagnetism
- The Physics of Particles

**Level 3 Core units and option**

- Electrodynamics and Relativity
- Frontiers in Modern Physics
- Mathematical Physics
- Plus one of the following:
  - Astrophysics and Space Science
  - Quantum Mechanics 2 and Atomic Physics

**Complementary units**

Students nominating Physics as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course, or as their second major in other degree courses, must also study:

- Mathematical Methods 3
- Mathematical Theory and Methods
- Multivariable Calculus

---

**Political Science and International Relations**

study.uwa.edu.au/political-science
handbooks.uwa.edu.au/politicalscience

**Course Requirements**

- Prerequisites: None
- Recommended: None

**Course Structure**

**Level 1 Core units**

- The Contemporary International System
- The Liberal Democratic State

**Level 2 Options (Select three)**

- Australian Politics: Institutions, Campaigning and Spin
- Foundations of Public Policy
- Foundations of Global Political Economy
- Global Governance
- History of Political Ideas
- International Relations in East Asia
- Politics in the USA
- Politics of the Mass Media
- Strategy, Diplomacy and Conflict
- The Evolution of International Order
- The Politics of Gender
Population Health
study.uwa.edu.au/population-health

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree.
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Health and Globalisation
• Health and Illness in Human Populations

Level 2 Core units
• Disease Prevention and Control
• Foundations of Epidemiology and Biostatistics

Level 3 Core units
• Health Leadership
• Health Promotion
• Health Research Design and Methods
• Health Systems and Policy

Complementary units
Students nominating Population Health as their degree-specific major in the Bachelor of Biomedical Science or Bachelor of Philosophy (Honours) must also study:
• Aboriginal Health and Wellbeing
• Communication and Project Planning in Health

Psychological Science
study.uwa.edu.au/psychological-science

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree.
Recommended: None

Course structure
Level 1 Core units
• Psychology: Behaviour in Context
• Psychology: Mind and Brain

Level 2 Core unit and option
• Psychological Research Methods
• One of the following:
  • Cognitive Neuroscience
  • Cognitive Psychology
  • Perception and Sensory Neuropsychology
  • Psychology: Atypical Development

Level 3 Core units
• Psychological Research Methods
• One of the following:
  • Adult Psychopathology
  • Industrial and Organisational Psychology
  • Psychology: Social and Behavioural
  • Psychology: Lifespan Development

Complementary units
Students nominating Psychological Science as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) must also study:
• Mathematics Fundamentals (for those students without Mathematics Applications ATAR or higher)

Psychology in Society
study.uwa.edu.au/psychology-in-society

COURSE REQUIREMENTS
Prerequisites: None
Recommended: None

Course structure
Level 1 Core units
• Psychology: Behaviour in Context
• Psychology: Mind and Brain

Level 2 Core unit and option
• Psychological Research Methods
• Psychological Research Methods
• One of the following:
  • Adult Psychopathology
  • Industrial and Organisational Psychology
  • Psychology: Social and Behavioural
  • Psychology: Lifespan Development

Level 3 Core units and options
• Psychological Measurement and its Application
• Psychological Science in the Modern World: Challenges and Controversies
• Take two units with at least one from Group A

Group A:
• Cognitive Neuroscience
• Cognitive Psychology
• Perception and Sensory Neuropsychology
• Psychology: Lifespan Development

Recommended: None

Course structure
Level 1 Core units
• Psychology: Behaviour in Context
• Psychology: Mind and Brain

Level 2 Core unit and option
• Psychological Research Methods
• Psychological Research Methods
• One of the following:
  • Adult Psychopathology
  • Industrial and Organisational Psychology
  • Psychology: Social and Behavioural
  • Psychology: Lifespan Development

Recommended: None

Course structure
Level 1 Core units
• Psychology: Behaviour in Context
• Psychology: Mind and Brain

Level 2 Core unit and option
• Psychological Research Methods
• Psychological Research Methods
• One of the following:
  • Adult Psychopathology
  • Cognitive Neuroscience
  • Cognitive Psychology
  • Industrial and Organisational Psychology

Recommended: None

Course structure
Level 1 Core units
• Communication Studies
• Psychology: Behaviour in Context

Quantitative Methods
study.uwa.edu.au/quantitative-methods

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Options (select one)
• Economic and Business Statistics
• Mathematical Theory and Methods
• Statistics for Science
• Plus one of the following:
  • Multivariable Calculus
  • Quantitative Methods for Business and Economics
  • Relational Database Management Systems

Level 2 Core units
• Analysis of Experiments
• Analysis of Observations

Level 3 Core units
• Advanced Data Analysis
• Applied Statistics and Data Visualisation
• Communication and Problem Solving with Statistics
• Introduction to Bayesian Computing and Statistics

Complementary units
Students nominating Quantitative Methods as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) must also study:
• Mathematics Fundamentals (not required by students with Mathematics Methods ATAR or higher)

Science Communication
study.uwa.edu.au/science-comm

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: None

Course structure
Level 1 Core units
• Communication Studies
• Psychology: Behaviour in Context
Complementary units
Students nominating Sport Science as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
• Human Biology I: Becoming Human
• Human Biology II: Being Human
• Mathematics Fundamentals (for students who do not meet the Mathematics prerequisite)
• Physical Fitness and Health

Work and Employment Relations
study.uwa.edu.au/employment-relations
handbooks.uwa.edu.au/employmentrelations

COURSE REQUIREMENTS
Prerequisites: None
Recommended: None

Course structure
Level 1 Core units
• Introduction to Employment Relations
• Social Psychology of Work
Level 2 Core units
• Australian Employment Relations
• Work and the Law
Level 3 Core units
• Globalisation and Work
• International Employment Relations
• Managing Diversity
• Negotiation: Theory and Practice

Zoology
study.uwa.edu.au/zoology
handbooks.uwa.edu.au/zoology

COURSE REQUIREMENTS
Prerequisites: Mathematics Applications ATAR or a Mathematics unit may be required as part of your degree
Recommended: Mathematics Methods ATAR

Course structure
Level 1 Core units
• Frontiers in Biology
• Plant and Animal Biology
Level 2 Core units
• Animal Function and Structure
• Ecology
Level 3 Core units
• Animal Populations
• Behavioural Ecology
• Environmental Physiology
• Evolutionary Processes

Complementary units
Students nominating Zoology as their degree-specific major in the Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
• Animal Ethics and Welfare
• Communicating Science
• Principles of Inheritance
• Science, Society and Data Analysis
Student exchange partner universities

AUSTRIA
University of Vienna
Vienna University of Economics and Business Administration

BELGIUM
Catholic University of Leuven
Ghent University

BRAZIL
Universidade Estadual de Campinas

CANADA
Carleton University
Dalhousie University
HEC Montréal
Laval University
McGill University
McMaster University
Queen’s University
University of Alberta
University of British Columbia
University of Calgary
University of Montréal
University of Ottawa
University of Toronto
University of Waterloo
Western University

CHILE
Pontifica Universidad Católica De Chile

CHINA, PEOPLE’S REPUBLIC OF
Beijing Language and Culture University
China University of Mining and Technology
Fudan University
Harbin Institute of Technology
Nanjing University
Peking University
Renmin University
Shanghai Jiao Tong University
Tsinghua University
University of Science and Technology China
Xiamen University
Xi’an Jiaotong University
Zhejiang University

DENMARK
Århus University
Copenhagen Business School
Technical University of Denmark
University of Copenhagen

FINLAND
Aalto University
University of Helsinki

FRANCE
Burgundy School of Business
ESG Reims School of Business
ESSEC Business School
Jean Moulin University Lyon 3
Sciences Po Grenoble
Sciences Po Lille
Sciences Po Paris
Université Grenoble Alpes
University of Limoges
University of Pierre and Marie Curie
University Sorbonne Nouvelle

GERMANY
Albert-Ludwigs University of Freiburg
Eberhard-Karls University of Tübingen
Free University of Berlin
Heinrich Heine University Düsseldorf
Humboldt University of Berlin
Ludwig Maximilian University of Munich
RWTH Aachen
University of Stuttgart
WHU Otto Beisheim School of Management

HONG KONG
City University of Hong Kong City
Hong Kong Polytechnic University
The Chinese University of Hong Kong
University of Hong Kong

IRELAND
University College Dublin

ISRAEL
Tel Aviv University
The Hebrew University of Jerusalem

ITALY
Bocconi University
Catholic University of the Sacred Heart
Polytechnic University of Milan
University of Ferrara

JAPAN
Akita International University
Chuo University
Kansai Gaidai University
Kobe University
Kwansei Gakuin University
Nagoya University
Okayama University
Osaka University
Ritsumeikan Asia Pacific University
Ritsumeikan University
Sophia University

MALAYSIA
University of Science Malaysia

NETHERLANDS
Leiden University
Maastricht University
Radboud University Nijmegen
Tilburg University
University College Maastricht
Utrecht University
Vrije University

NEW ZEALAND
University of Otago

NORWAY
Norwegian School of Economics (NHH)
Norwegian University of Life Sciences (NMBU)
Norwegian University of Science and Technology (NTNU)
University of Bergen
University of Oslo
University of Stavanger

RÉUNION
École Nationale Supérieure d’Architecture Montpellier

SINGAPORE
Nanyang Technological University
National University of Singapore
Singapore Management University

SOUTH KOREA
Korea University
Pusan National University
Seoul National University
Sogang University
Sungkyunkwan University
Yonsei University

SPAIN
Autonomous University of Barcelona
Comillas Pontificia University
IE University

SWEDEN
Lund University
Mälardalen University
Stockholm University
Uppsala University

SWITZERLAND
Università della Svizzera Italiana
University of St Gallen
University of Zurich

THAILAND
Chulalongkorn University

UNITED KINGDOM
Bader International Study Centre (Queen’s University)
Cardiff University
Durham University
Kingston University London
Loughborough University
Manchester Business School
Queen Mary University of London
University College London
University of Aberdeen
University of Bath
University of Bristol
University of Essex
University of Exeter
University of Glasgow
University of Leeds
University of Liverpool
University of Manchester
University of Nottingham
University of Sheffield
University of Southampton
University of Sussex
University of York

URUGUAY
Universidad de Montevideo

US
Auburn University
Bellarmine University
Boston College
Colorado State University
Indiana University
Iowa State University
Kansas State University
Montana State University
North Carolina State University
Pacific University
Presbyterian College
Purdue University
State University of New York at Brockport
University of Alabama at Birmingham
University of Arizona
University of Illinois at Urbana-Champaign
University of Maryland
University of Montana
University of New Mexico
University of Notre Dame du Lac
University of Pennsylvania
University of Rochester
University of South Dakota
University of Texas at Austin
University of Vermont
University of Washington
University of West Alabama
Williamette University
Start your pursuit at UWA in 2017

Our stunning campus offers a vibrant and dynamic learning environment.
On this tour, current students give you an insight into studying at UWA, and Future Students Advisers will answer your questions.

Talk directly to faculty specialists about your specific interest areas.
Our free sessions provide advice on UWA courses, admission requirements and maximising your ATAR, as well as information about on-campus activities and events.

Discover how you can achieve your study and career goals with us.
Explore our campus, talk to staff and current students and enjoy a range of fun activities.

These one-on-one school holiday sessions are designed to answer your questions about future study.
Bookings are essential as our session numbers are strictly limited. Parents and guardians are welcome to attend.

What is TISC and how does it work?
This session is designed to assist Year 12 students to make the most of your ATAR score and help you get into your preferred course at UWA.

Find out more
studyat.uwa.edu.au/events
Here are some of the most common terms you’ll come across when studying at uni.

**Australian Tertiary Admission Rank (ATAR)** – A rank that determines a student’s position relative to other students. An ATAR ranges between zero and 99.95.

**Bachelor’s degree** – An academic degree awarded for an undergraduate course usually upon completing at least three years of tertiary study.

**Contact hours** – The hours a student is expected to spend in tutorials, lectures and/or labs.

**Faculty** – A faculty is a university division responsible for administrating teaching and learning in a particular area of knowledge. Faculties include schools and centres within that teaching area.

**Full-time study** – At least 75 per cent study load (that is, three or four units) per semester.

**Grade Point Average (GPA)** – An index of academic performance calculated by converting a student’s percentage marks/grades.

**HECS and HECS-HELP** – This allows eligible students in a Commonwealth-supported place to defer payment of their student contribution by taking out an interest-free government loan. Compulsory repayment of HECS and HECS-HELP loan begins when annual income exceeds a minimum threshold amount. Repayments are made through additional tax being deducted.

**Honours** – An additional year of full-time (or equivalent part-time) study undertaken on completion of a bachelor’s degree that includes coursework and a research dissertation.

**Lab** – A class that takes place in a laboratory. Labs are practical classes involving experiments, investigation, construction, observation or testing.

**Lecture** – A class which involves the presentation of a particular topic, idea or subject to a large group of students. Lectures normally run for about 45 minutes and many are recorded so you can revise later.

**Level** – A ranking applied to a unit which indicates the amount of prior knowledge or maturity of learning required to study a unit successfully. A three-year undergraduate degree consists of Level 1, Level 2 and Level 3 units.

**Major** – An area of specialisation which is comprised of an approved sequence of eight units within an undergraduate degree course.

**Mature-age student** – A person aged 20 years or over at 1 March in the year they intend to commence study at university.

**Part-time study** – Enrolling in less than 75 per cent study load (that is one or two units) per semester.

**Postgraduate** – Higher-level university study generally undertaken upon the completion of a bachelor’s degree.

**Prerequisite** – A subject or condition a person must satisfy before gaining entry to a unit or course.

**Tertiary Institutions Service Centre (TISC)** – TISC processes university applications on behalf of WA’s four public universities.

**Tutorial** – A small class involving discussion which is facilitated by a tutor on a particular topic or idea (usually what has previously been presented in a lecture).

**Undergraduate** – A term which refers to a university student who is studying towards their first degree (bachelor’s degree).

**Unit** – A subject usually studied for the duration of one semester. Units normally involve different classes – lectures, tutorials, seminars, labs etc.
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<td>Science Communication</td>
<td>Bachelor of Biomedical Science / Bachelor of Science</td>
<td>41 / 60</td>
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