

# BACHELOR OF SCIENCE/ BACHELOR OF ARTS (3763)

**Approved Abbreviation:** BSc/BA

**Western Sydney University Program Code:** 3763

**AQF Level:** 7

**CRICOS Code:** 068791B

This program applies to students who commenced in 2022 or later.

Students should follow the program structure for the session start date relevant to the year they commenced.

For Commencement Year 2016 - 2019 - Please refer to 3658.6 Bachelor of Science/Bachelor of Arts (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3658.6>)

For Commencement Year 2020 - 2021 - Please refer to 3763.1 Bachelor of Science/Bachelor of Arts (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3763.1>)

This double degree program is designed for students whose interests span the Arts and Sciences. It will produce versatile graduates who can work across a range of academic and professional disciplines, including the opportunity to develop global perspectives and communication skills in an Asian language. In the Science area, students can design their own academic program within the Bachelor of Science course structure, which must include a Science testamur major selected from a the following: Zoology, Animal Science, Biology, Chemistry, Applied Physics, Sustainable Environmental Futures, AgriFood or Innovative Foods. This qualification in science can be combined with one of the following majors: International Relations and Asian Studies; Cultural and Social Analysis; English; History and Political Thought; Philosophy; Indigenous Australian Studies; Arabic, Chinese; Japanese; Indonesian; Islamic Studies: Linguistics; Psychological Studies. This qualification in science can be combined with one of the following majors: International Relations and Asian Studies; Cultural and Social Analysis; English; History and Political Thought; Philosophy; Indigenous Australian Studies; Arabic, Chinese; Japanese; Indonesian; Islamic Studies: Linguistics; Psychological Studies.

Students in this double degree also have the opportunity to complete a semester of study overseas and receive advanced standing towards their BA majors and minors subject to WSU limits on advanced standing. Students are encouraged to do so but must discuss this with a BA program advisor first.

Students should note that not all majors and subjects are available at all campuses and travel between campuses may be required.

## Study Mode

Four years full-time or eight years part-time.

## Program Advice

Program Advice (<https://directory.westernsydney.edu.au/search/email/science@westernsydney.edu.au>)

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (<https://enquiry.westernsydney.edu.au/courseenquiry/>) | Local Admission (<https://www.westernsydney.edu.au/future/>) | International Admission (<https://www.westernsydney.edu.au/international/home/apply/admissions/>) |

## Location

Campus	Attendance	Mode	Advice
Parramatta Campus - Victoria Road	Full Time	Internal	See above

## Accreditation

T026 (Chemistry) when undertaken within the Bachelor of Science is accredited with Royal Australian Chemical Institute (RACI)

## Work Integrated Learning

Western Sydney University seeks to enhance student learning experiences by enabling students to engage in the culture, expectations and practices of their profession or discipline. This program includes a placement or other community-based unpaid practical experience.

### Bachelor of Science

For the Science degree, work integrated learning is a component of many subjects in the core of the course and testamur majors. Students must study to a specific work integrated learning subject, Complex Case Studies in Science. This subject is designed to provide students with opportunities for personal development, industry and civic engagement and to develop career readiness. The subject assures that students can critically analyse and logically argue complex scientific issues whilst taking into account multiple competing perspectives and builds on employability and communication skills developed in earlier subjects.

There is a mandatory work component required for completion of this program. Please contact the Program Advisor listed above for information.

International students should also refer to the link below for more information and a link to the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS).

Work Integrated Learning (WIL) for international students ([https://www.westernsydney.edu.au/currentstudents/current\\_students/services\\_and\\_facilities/international\\_student\\_support/working\\_in\\_australia/work\\_integrated\\_learning/](https://www.westernsydney.edu.au/currentstudents/current_students/services_and_facilities/international_student_support/working_in_australia/work_integrated_learning/))

## Admission

**Assumed Knowledge:** At least two unit science (any science) and two unit mathematics at year 12 equivalent.

Applications from Australian and New Zealand citizens and holders of permanent resident visas may be made via the Universities Admissions Centre (UAC) or directly through the Western Portal. Use the links below to apply via UAC or Western Sydney University. Applications made directly to Western Sydney do not have an application fee.

<http://www.uac.edu.au/>

<https://westernsydney.uac.edu.au/ws/>

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to the University should also use the information provided on the UAC website.

<http://www.uac.edu.au/>

All other International applicants must apply directly to the University via the International Office.

International students applying to the University through the International Office can find details of minimum English proficiency requirements and acceptable proof on their website.

International Office (<http://www.westernsydney.edu.au/international/>)

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and Western Sydney University.

## Program Structure

Qualification for this award requires the successful completion of 320 credit points as prescribed in the structure below. Students who complete this award will graduate with a Bachelor of Science and a Bachelor of Arts.

Note: At least 120 credit points must be at Level 3 or above.

Students who wish to exit this double degree after their third year and graduate with a Bachelor of Science must have completed 240 credit points and completed the subjects as listed below in Years 1, 2 and 3 with at least 60 credit points at Level 3 or above.

Students completing the Bachelor of Science portion of this double degree must complete one of the Science testamur majors listed in the first three years of study.

The conceptual design of this Bachelor of Science/Bachelor of Arts double degree is as follows:

### Years 1 to 3

Students will complete 160 credit points of Bachelor of Science subjects comprising eight Bachelor of Science core subjects, eight Bachelor of Science testamur major subjects and eight Arts subjects as listed in the program sequence below

### Bachelor of Science Core Subjects

Students should note that core subjects will be allocated based on the Testamur Major chosen and as indicated in the relevant Testamur Major sequence.

Subject	Title	Credit Points
<b>Bachelor of Science core subjects</b>		
Students are required to complete the following two subjects		
CHEM 1008	Introductory Chemistry	10
NATS 1019	Scientific Literacy	10
<b>Foundation</b>		
Students are allocated core subjects from the following areas depending on the testamur major chosen. Students should consult the sequence of units identified for each testamur major.		
Select two of the following (depending on testamur major selected):		20
BIOS 1012	Cell Biology	
BIOS 1001	Biodiversity	
CHEM 1012	Essential Chemistry	
<b>Mathematics</b>		
Select one of the following (depending on testamur major selected):		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
<b>Analytical Science</b>		

Select one of the following (depending on testamur major selected):

MATH 2001	Advanced Calculus
BIOS 2042	Biochemistry
NATS 2019	Forensic and Environmental Analysis
NATS 2042	Science Research Methods
CHEM 2001	Analytical Chemistry
PUBH 2010	Epidemiology

#### Work Integrated Learning

Select one of the following (depending on testamur major selected):

NATS 3044	Complex Case Studies in Science
NATS 3045	Work Internship for Science Professionals

#### Core Capstone

Select one of the following (depending on testamur major selected):

NATS 3027	Laboratory Quality Management
NATS 3015	Field Project 1
BIOS 3012	Conservation Biology
NATS 3040	Topics in Medical Science

**Total Credit Points** **80**

## Bachelor of Science Testamur Majors

Students are required to complete eight specialisation subjects from one of the following testamur majors.

Students may only select one testamur major

Agrifood, Testamur Major (T123) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/agrifood-ug-testamur-major/>)

Animal Science, Testamur Major (T054) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/animal-science-ug-testamur-major/>)

Applied Physics, Testamur Major (T078) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/applied-physics-ug-testamur-major/>)

Biology, Testamur Major (T053) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/biology-ug-testamur-major/>)

Chemistry, Testamur Major (T026) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/chemistry-ug-testamur-major/>)

Innovative Foods, Testamur Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/innovative-foods-ug-testamur-major/>)

Sustainable Environmental Futures, Testamur Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/sustainable-environmental-futures-ug-testamur-major/>)

Zoology, Testamur Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/zoology-ug-testamur-major/>)

Please note that not all Testamur Majors are available at all campuses.

### Years 1 to 4

In Years 1 to 4 students will complete the four level 1 Bachelor of Arts (BA) core subjects, eight Bachelor of Arts Major subjects from one of the following Bachelor of Arts Majors and four Bachelor of Arts Minor subjects from one of the Minors listed.

Please note that not all Arts majors are available at all campuses.

Subject	Title	Credit Points
<b>The Four Level 1 Bachelor of Arts (BA) Core Subjects</b>		
HUMN 1052	Australian Politics and Active Citizenship	10
HUMN 1053	Diversity, Language and Culture	10
LANG 1029	Foundations of Academic English	10
LANG 1030	Thinking Critically About Texts and Society	10
<b>Total Credit Points</b>		<b>40</b>

For details of the relevant Arts Majors, refer to the current listing of Bachelor of Arts.

1706 - Bachelor of Arts (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=1706.4>)

## Bachelor of Arts Majors

Anthropology, Major (0002) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/anthropology-major/>)

Arabic, Major (0003) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/arabic-major/>)

Chinese, Major (0004) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/chinese-major/>)

Creative Writing, Major (0005) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/creative-writing-major/>)

Criminology and Criminal Justice, Major (0006) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/criminology-criminal-justice-major/>)

Culture and Society, Major (0264) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/culture-society-major/>)

Economy and Markets, Major (0008) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/economy-markets-major/>)

English, Major (0009) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/english-major/>)

Geography and Urban Studies, Major (0010) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/geography-urban-studies-major/>)

Global Business, Major (0011) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/global-business-major/>)

Heritage and Tourism, Major (0012) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/heritage-tourism-major/>)

History and Political Thought, Major (0013) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/history-political-thought-major/>)

Indigenous Australian Studies, Major (0015) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/indigenous-australian-studies-major/>)

Innovation and Change, Major (0017) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/innovation-change-major/>)

International English, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/international-english-major/>)

International Relations and Asian Studies, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/international-relations-asian-studies-major/>)

Islamic Studies, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/islamic-studies-major/>)

Japanese, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/japanese-major/>)

Linguistics, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/linguistics-major/>)

Philosophy, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/philosophy-major/>)

Sociology, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/sociology-major/>)

## Bachelor of Arts Minors

Arabic, Minor (0003) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/arabic-minor/>)

Chinese, Minor (0004) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/chinese-minor/>)

Creative Writing, Minor (0005) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/creative-writing-minor/>)

Culture and Society, Minor (0264) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/culture-society-minor/>)

English, Minor (0009) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/english-minor/>)

History and Political Thought, Minor (0013) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/history-political-thought-minor/>)

Immersion Language, Minor (0014) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/immersion-language-minor/>)

Indigenous Australian Studies, Minor (0015) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/indigenous-australian-studies-minor/>)

International English, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/international-english-minor/>)

International Relations and Asian Studies, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/international-relations-asian-studies-minor/>)

Islamic Studies, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/islamic-studies-minor/>)

Japanese, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/japanese-minor/>)

Linguistics, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/linguistics-minor/>)

Philosophy, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/philosophy-minor/>)

Psychological Studies, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/psychological-studies-minor/>)

## Replaced Majors and Minors

The majors and minors listed below counts towards completion of this Program for students who began studying these majors or minors prior to the years indicated below.

M1052 Cultural and Social Analysis, Major (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=M1052.1>), replaced by Culture and Society, Major in 2021 (listed above)

SM1070 Cultural and Social Analysis, Minor (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=SM1070.1>), replaced by Culture and Society, Minor in 2021 (listed above)

## Recommended Sequence

Note: students choosing MT3047 Applied Physics should consult the Academic Program Advisor for advice regarding subject sequences.

Course	Title	Credit Points	Year 3
<b>Year 1</b>			<b>Autumn session</b>
<b>Autumn session</b>			Select one Arts major or minor subject 10
Select two Level 1 core Arts subjects of the following:		20	Select one Science capstone subject of the following (depending on testamur major chosen): 10
HUMN 1052	Australian Politics and Active Citizenship		NATS 3027 Laboratory Quality Management
LANG 1029	Foundations of Academic English		NATS 3015 Field Project 1
HUMN 1053	Diversity, Language and Culture		BIOS 3012 Conservation Biology
LANG 1030	Thinking Critically About Texts and Society		NATS 3040 Topics in Medical Science
Select two Science core subjects:			Select two Science testamur major subjects (see the sequence provided with each testamur major) 20
BIOS 1001	Biodiversity	10	<b>Credit Points</b> <b>40</b>
CHEM 1008	Introductory Chemistry	10	<b>Spring session</b>
<b>Credit Points</b>		<b>40</b>	Select one Arts major or minor subject 10
<b>Spring session</b>			Select three Science testamur major subjects (see the sequence provided with each testamur major) 30
Select two Core Arts subjects of the following:		20	<b>Credit Points</b> <b>40</b>
HUMN 1052	Australian Politics and Active Citizenship		<b>Year 4</b>
LANG 1029	Foundations of Academic English		<b>Autumn session</b>
HUMN 1053	Diversity, Language and Culture		Select four Bachelor of Arts major or minor subjects 40
LANG 1030	Thinking Critically About Texts and Society		<b>Credit Points</b> <b>40</b>
Select one core Science Mathematics subject of the following (depending on testamur major selected):		10	<b>Spring session</b>
MATH 1026	Quantitative Thinking		Select four Bachelor of Arts major or minor subjects 40
MATH 1014	Mathematics 1A		<b>Credit Points</b> <b>40</b>
MATH 1003	Biometry		<b>Total Credit Points</b> <b>320</b>
Select one core Science Foundation subject (depending on testamur major selected):		10	
BIOS 1012	Cell Biology		
CHEM 1012	Essential Chemistry		
<b>Credit Points</b>		<b>40</b>	
<b>Year 2</b>			
<b>Autumn session</b>			
NATS 1019	Scientific Literacy		
Select two core Science subjects comprising: one Analytical Science subject of the following (depending on testamur major selected):		20	
MATH 2001	Advanced Calculus		
BIOS 2042	Biochemistry		
NATS 2019	Forensic and Environmental Analysis		
NATS 2042	Science Research Methods		
CHEM 2001	Analytical Chemistry		
PUBH 2010	Epidemiology		
Select one Arts major or minor subject		10	
Select one Science testamur major subject (see the sequence provided with each testamur major)		10	
<b>Credit Points</b>		<b>40</b>	
<b>Spring session</b>			
Select one Arts major or minor subject		10	
Select one core Science Work Integrated Learning subject		10	
NATS 3045	Work Internship for Science Professionals		
NATS 3044	Complex Case Studies in Science		
(only available to students in MT3031 Environmental Health)			
Select two Science testamur major subjects (see sequence provided with each testamur major)		20	
<b>Credit Points</b>		<b>40</b>	