BACHELOR OF SUSTAINABLE AGRICULTURE AND FOOD SECURITY (3726)

Approved Abbreviation: BSustAg&FdSec
Western Sydney University Program Code: 3726
AQF Level: 7

CRICOS Code: 089441F

This program applies to students who commenced in 2018 or later

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

For Commencement Year 2017 - please refer to 3726.2 - Bachelor of Sustainable Agriculture and Food Security (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3726.2)

For Commencement Year 2016 - please refer to 3726.2 - Bachelor of Sustainable Agriculture and Food Security (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3726.2)

Opportunities are rapidly emerging for entrepreneurs to lead a new food future. Immersed in an approach that integrates social, economic and environmental values, students will view plant and animal production from consumer contexts to explore personal and community perceptions about food sustainability. This innovative degree merges topics of agriculture, food and health to empower students to design solutions for international development, community education and the urban−rural interface. Throughout study, engagement with industry and community will inspire students to take action towards a more sustainable food future. The program includes disciplines of natural science, social science and business studies.

Study Mode

Three years full-time or six years part-time

Program Advice

Dr Ryan McQuinn (R.Mcquinn@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
Hawkesbury Campus	Full Time	Internal	See above
Hawkesbury Campus	Part Time	Internal	See above

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.

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/)

Admission

Assumed Knowledge: Any two Units of Mathematics and Science or 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.

International students currently completing an Australian Year 12 in or outside Australia, an International Baccalaureate in Australia or a New Zealand National Certificate of Educational Achievement (NCEA) level 3 must apply via UAC International.

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.

Recommended Sequence

Qualification for this award requires the successful completion of 240 credit points which include the subjects listed in the recommended sequence below.

Majors

Students may choose to major in Natural Science, Social Sciences or Business (see links below), or may choose a general pathway.

Natural Science Major (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/natural-science-major/)

Social Sciences Major (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/social-sciences-major/#text)

Business Major (https://hbook.westernsydney.edu.au/
archives/2022-2023/majors-minors/business-major/)

General Pathway - Start year Intake

Course	Title	Credit Points
Year 1		
Autumn session		
AGRI 1004	Feeding the Planet	10
NATS 1019	Scientific Literacy	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10
	Credit Points	**40**
Spring session		
EART 1004	Soils	10
MATH 1026	Quantitative Thinking	10
PROC 1002	Food Science 1	10
HORT 1004	Horticultural Production Systems	10
	Credit Points	**40**
Year 2		
Autumn session		
HORT 2001	Greenhouse Technology for Food Sustainability	10
ENVL 2006	Environmental Planning and Climate Change	10
Select one of the following:		10
NATS 2023	Integrated Science	
HUMN 2032	Issues in World Development: Rich World, Poor World	
MKTG 1006	Marketing Principles	
Select one elective		10
	Credit Points	**40**
Spring session		
AGRI 2005	Sustainable Food Production	10
NATS 2025	Natural Science Research Methods	10
AGRI 2006	Agriculture, Food and Health	10
Select one elective		10
	Credit Points	**40**
Year 3		
1H/Autumn session		
NATS 3015	Field Project 1	10
AGRI 3001	Analysis of Agricultural Supply and Demand	10
Select one of the following:		10
BUSM 3005	Creating Change and Innovation	
BIOS 3021	Plant Health and Biosecurity	
HUMN 3077	Sustainable Futures	
Select one elective		10
2H/Spring session		
NATS 3017	Field Project 2	10
Select two of the following:		20
BUSM 2004	Business, Society and Policy	
HUMN 2015	Community and Social Action	
HUMN 3043	Globalisation and Sustainability	
HORT 3001	Postharvest	
INFO 3011	Social Computing	
AGRI 3007	Water in the Landscape	

Course	Title	Credit Points
Select one elective		10
	Credit Points	**80**
	Total Credit Points	**240**

General Pathway - Mid-year Intake

Course	Title	Credit Points
Year 1		
Spring session		
NATS 1019	Scientific Literacy	10
PROC 1002	Food Science 1	10
HORT 1004	Horticultural Production Systems	10
Select one elective		10
	Credit Points	**40**
Autumn session		
AGRI 1004	Feeding the Planet	10
MATH 1026	Quantitative Thinking	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10
	Credit Points	**40**
Year 2		
Spring session		
AGRI 2005	Sustainable Food Production	10
AGRI 2006	Agriculture, Food and Health	10
NATS 2025	Natural Science Research Methods	10
EART 1004	Soils	10
	Credit Points	**40**
1H/Autumn session		
NATS 3015	Field Project 1	10
HORT 2001	Greenhouse Technology for Food Sustainability	10
Select one of the following:		10
NATS 2023	Integrated Science	
HUMN 2032	Issues in World Development: Rich World, Poor World	
MKTG 1006	Marketing Principles	
Select one elective		10
	Credit Points	**40**
Year 3		
2H/Spring session		
NATS 3017	Field Project 2	10
Select two of the following:		20
BUSM 2004	Business, Society and Policy	
HUMN 2015	Community and Social Action	
HUMN 3043	Globalisation and Sustainability	
HORT 3001	Postharvest	
INFO 3011	Social Computing	
AGRI 3007	Water in the Landscape	
Select one elective		10
	Credit Points	**40**
Autumn session		
AGRI 3001	Analysis of Agricultural Supply and Demand	10
ENVL 2006	Environmental Planning and Climate Change	10
Select one of the following:		10
BIOS 3021	Plant Health and Biosecurity	

HUMN 3077	Sustainable Futures	
BUSM 3005	Creating Change and Innovation	
Select one elective		10
	Credit Points	**40**
	Total Credit Points	**240**

Suggested Elective Subjects

AGRI 1010 Protected Cropping Climate Control and Technology

HORT 1007 Protected Cropping Plant Nutrition

Minor elective spaces

Elective subjects may be used toward obtaining an additional approved minor (40 credit points). Western Sydney University offers minors in a range of areas including Sustainability and Indigenous Studies.

Global Sustainability Minor (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/global-sustainability-minor/)
Indigenous Australian Studies Minor (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/indigenous-australian-studies-minor/)

Western Sydney University also offers the following innovative transdisciplinary minors which we encourage those students who have elective space to consider.

Equitable Technologies (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/equitable-technologies-minor/)
Urban Evolution (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/urban-evolution-minor/)
Migration and Global Change (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/migration-global-change-minor/)
Personal Innovation (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/personal-innovation-minor/)
Innovating, Creating and Problem Solving (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/innovating-creating-problem-solving-minor/)
Eco-Socially Conscious Design and Manufacturing (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/eco-socially-conscious-design-manufacturing-minor/)
Water for Life (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/water-life-minor/)
Climate Justice (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/climate-justice-minor/)
Global Workplaces (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/global-workplaces-minor/)
Innovating For Humans (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/innovating-humans-minor/)
Creative Living for Cultural Wellbeing (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/creative-living-cultural-wellbeing-minor-/)
Ideate.Strategise.Innovate. (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/ideate-strategise-innovate-minor/)
Humanising Data (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/humanising-data-minor/)

Search for majors and minors (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/)

Students can apply for an elective minor via MySR.

MyStudentRecords (MySR) (https://student-selfservice.westernsydney.edu.au/StudentSelfService/ssb/studentCommonDashboard/)