

# AGRIFOOD, TESTAMUR MAJOR (T123)

Western Sydney University Major Code: T123

Previous code: MT3045.1

**Available to students in other Western Sydney University Programs:** Yes, however the following restrictions apply.

This testamur major is available as an elective major for Bachelor of Medical Science students only.

Opportunities are rapidly emerging for you to lead a new AgriFood 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 you to design solutions for international development, community education and the urban–rural interface. The WSU AgriFood major is a hands-on experience, developing confidence and giving graduates an excellent foundation for careers in teaching, research, biotechnology and industry. The flexibility of the major also enables students to combine their interest with other disciplines including animal science, ecology, zoology, innovative foods, health and business. Throughout study, engagement with industry and community will inspire you to take action towards a regenerative and more environmentally sustainable AgriFood future.

## Location

Campus	Mode	Advice
Hawkesbury Campus	Internal	Dr Ryan McQuinn (R.Mcquinn@westernsydney.edu.au)

## Recommended Sequence

All students must complete 60 credit points of study at Level 3 to meet program requirements.

Select the link for your program below to see details of the major

### Bachelor of Science

Qualification for the award of Bachelor of Science with a major in AgriFood requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
NATS 1019	Scientific Literacy	10
CHEM 1008	Introductory Chemistry	10
BIOS 1001	Biodiversity	10
AGRI 1011	Introduction to Agrifood	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
PROC 1005	Introduction to Food Science	10
Choose one of the following:		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one of the following:		10

CHEM 1012	Essential Chemistry	
BIOS 1012	Cell Biology	
Choose one elective		10
<b>Credit Points</b>		<b>40</b>

### Year 2

#### Autumn session

NATS 2042	Science Research Methods	10
EART 2004	Soils and Substrates	10
Choose two electives		20

**Credit Points** 40

#### Spring session

HORT 2003	Plant Production	10
HORT 3002	Protected Cropping Technology	10
Choose one of		10

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

Choose one elective 10

**Credit Points** 40

### Year 3

#### Autumn session

NATS 3015	Field Project 1	10
AGRI 3005	Animal Production	10
Choose two electives		20

**Credit Points** 40

#### Spring session

AGRI 3009	Agricultural Technology	10
BIOS 3036	Agricultural Biosecurity	10
Choose two electives		20

**Credit Points** 40

**Total Credit Points** 240

### Bachelor of Science (Pathway to Teaching Primary/Secondary)

Qualification for the Bachelor of Science (Pathway to Teaching Primary/Secondary) with a major in Agrifood requires the successful completion of 240 credit points as per the recommended sequence for the Bachelor of Science with a major in Agrifood, given above.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
NATS 1019	Scientific Literacy	10
CHEM 1008	Introductory Chemistry	10
BIOS 1001	Biodiversity	10
AGRI 1011	Introduction to Agrifood	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
PROC 1005	Introduction to Food Science	10
Choose one of		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one of		
CHEM 1012	Essential Chemistry	
BIOS 1012	Cell Biology	

Choose one elective	10
<b>Credit Points</b>	<b>30</b>
<b>Year 2</b>	
<b>Autumn session</b>	
NATS 2042	Science Research Methods 10
EART 2004	Soils and Substrates 10
Choose two electives	20
<b>Credit Points</b>	<b>40</b>
<b>Spring session</b>	
HORT 2003	Plant Production 10
HORT 3002	Protected Cropping Technology 10
Choose one of	
NATS 3044	Complex Case Studies in Science 10
NATS 3045	Work Internship for Science Professionals 10
Choose one elective	10
<b>Credit Points</b>	<b>50</b>
<b>Year 3</b>	
<b>Autumn session</b>	
NATS 3015	Field Project 1 10
AGRI 3005	Animal Production 10
Choose two electives	20
<b>Credit Points</b>	<b>40</b>
<b>Spring session</b>	
AGRI 3009	Agricultural Technology 10
BIOS 3036	Agricultural Biosecurity 10
Choose two electives	20
<b>Credit Points</b>	<b>40</b>
<b>Total Credit Points</b>	<b>240</b>

In addition, all students must complete a mandatory 40 credit point minor in Education Studies. Students must choose one of:

Education Studies – Primary Teaching, Minor (0296) (<https://hbook.westernsydney.edu.au/majors-minors/education-studies-primary-teaching-minor/>)

Or

Education Studies - Secondary Teaching, Minor (0267) (<https://hbook.westernsydney.edu.au/majors-minors/education-studies-secondary-teaching-minor/>)

Students must meet this requirement by choosing subjects from the selected Education Studies minor as electives within their Bachelor of Science program.

## Bachelor of Advanced Science

Qualification for the award of Bachelor of Advanced Science with a major in AgriFood requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
NATS 1019	Scientific Literacy	10
CHEM 1008	Introductory Chemistry	10
BIOS 1001	Biodiversity	10
AGRI 1011	Introduction to Agrifood	10
<b>Credit Points</b>		<b>40</b>

<b>Spring session</b>		
PROC 1005	Introduction to Food Science	10
Choose one of		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one of		10
CHEM 1012	Essential Chemistry	
BIOS 1012	Cell Biology	
Choose one elective		10
<b>Credit Points</b>		<b>40</b>

<b>Year 2</b>		
<b>Autumn session</b>		
NATS 2042	Science Research Methods	10
EART 2004	Soils and Substrates	10
NATS 2001	Advanced Science Project A	10
Choose one elective		10
<b>Credit Points</b>		<b>40</b>

<b>Spring session</b>		
HORT 2003	Plant Production	10
HORT 3002	Protected Cropping Technology	10
NATS 2002	Advanced Science Project B	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
<b>Credit Points</b>		<b>40</b>

<b>Year 3</b>		
<b>Autumn session</b>		
NATS 3015	Field Project 1	10
AGRI 3005	Animal Production	10
NATS 3043	Advanced Science Research Project C	10
Choose one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
AGRI 3009	Agricultural Technology	10
BIOS 3036	Agricultural Biosecurity	10
NATS 3043	Advanced Science Research Project C	10
Choose one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

## Diploma in Science/Bachelor of Science

Qualification for this award requires the successful completion of 250 credit points which include the units listed in the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Year 1: College Subjects</b>		
Standard 3-term year		
<b>Preparatory subject</b>		
CHEM 0001	Chemistry (WSTC Prep)	10
<b>Eight university-level subjects as follows</b>		
BIOS 1014	Cell Biology (WSTC)	10
CHEM 1013	Essential Chemistry (WSTC)	10
NATS 1020	Scientific Literacy (WSTC)	10

CHEM 1009	Introductory Chemistry (WSTC)	10
BIOS 1003	Biodiversity (WSTC)	10
MATH 1027	Quantitative Thinking (WSTC)	10
PROC 1007	Introduction to Food Science (WSTC)	10
BIOS 1034	Management of Aquatic Environments (WSTC)	10
<b>Credit Points</b>		<b>90</b>
<b>Year 2</b>		
<b>Autumn session</b>		
NATS 2042	Science Research Methods	10
EART 2004	Soils and Substrates	10
AGRI 1011	Introduction to Agrifood	10
Choose one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
HORT 2003	Plant Production	10
HORT 3002	Protected Cropping Technology	10
Choose one of		
NATS 3044	Complex Case Studies in Science	10
NATS 3045	Work Internship for Science Professionals	10
Choose one elective		10
<b>Credit Points</b>		<b>50</b>
<b>Year 3</b>		
<b>Autumn session</b>		
NATS 3015	Field Project 1	10
AGRI 3005	Animal Production	10
Choose two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
AGRI 3009	Agricultural Technology	10
BIOS 3036	Agricultural Biosecurity	10
Choose two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>260</b>

Diploma in Science/Bachelor of Science (6043) (<https://hbook.westernsydney.edu.au/programs/diploma-science-bachelor-science/>)

#### Related Programs

Bachelor of Advanced Science (3757) (<https://hbook.westernsydney.edu.au/programs/bachelor-advanced-science/>)

Bachelor of Medical Science (3755) (<https://hbook.westernsydney.edu.au/programs/bachelor-medical-science/>)

Bachelor of Science (3754) (<https://hbook.westernsydney.edu.au/programs/bachelor-science/>)

Bachelor of Science (Pathway to Teaching Primary/Secondary) (3756) (<https://hbook.westernsydney.edu.au/programs/bachelor-science-pathway-teaching-primary-secondary/>)

Bachelor of Science/Bachelor of Arts (3763) (<https://hbook.westernsydney.edu.au/programs/bachelor-science-bachelor-arts/>)

Bachelor of Science/Bachelor of Business (4748) (<https://hbook.westernsydney.edu.au/programs/bachelor-science-bachelor-business/>)

Bachelor of Science/Bachelor of Laws (2743) (<https://hbook.westernsydney.edu.au/programs/bachelor-science-bachelor-laws/>)

Diploma in Science/Bachelor of Medical Science (6042) (<https://hbook.westernsydney.edu.au/programs/diploma-science-bachelor-medical-science/>)