

# HUMAN NUTRITION, TESTAMUR MAJOR (T125)

Western Sydney University Major Code: T125

Previous code: MT3044.1

## 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 Science students only.

A Human Nutrition Major in Medical Science uses biology, chemistry and physiology to develop concepts in food and nutrient form and function in relation to human metabolism and physiology. This major takes students through the ingestion, digestion, absorption, storage and utilisation of proteins, fats, vitamins, minerals and trace elements. Students learn how these nutrients can be managed with respect to appetite, exercise, health and disease as well as develop a wide range of laboratory and research skills. Students will also develop critical analytical skills to assess and implement recommendations for testing, monitoring and community education.

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

NOTE: Students up to end of 2023 - Students will need to select at least 10 credit points of elective study at Level 3 to meet this requirement.

## Location

Campus	Mode	Advice	Credit Points
Campbelltown Campus	Internal	science@westernsydney.edu.au	10
Hawkesbury Campus	Internal	science@westernsydney.edu.au	10
Parramatta Campus - Victoria Road	Internal	science@westernsydney.edu.au	10
			<b>Total Credit Points</b>
			<b>240</b>

## Recommended Sequence 2023

All students must complete 60 credit points of study at Level 3 to meet course requirements. Students will need to select at least 10 credit points of elective study at Level 3 to meet this requirement.

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

## Bachelor of Medical Science

Qualification for the award of Bachelor of Medical Science with a major in Human Nutrition 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
NATS 1009	Human Anatomy and Physiology 1	10
Choose one of		10
MATH 1014	Mathematics 1A	
MATH 1026	Quantitative Thinking	
MATH 1003	Biometry	
		<b>Credit Points</b>
		<b>40</b>
<b>Spring session</b>		
BIOS 1012	Cell Biology	10
CHEM 1012	Essential Chemistry	10
PROC 1005	Introduction to Food Science	10
NATS 1010	Human Anatomy and Physiology 2	10
		<b>Credit Points</b>
		<b>40</b>

<b>Spring session</b>		
BIOS 1012	Cell Biology	10
CHEM 1012	Essential Chemistry	10
PROC 1005	Introduction to Food Science	10
NATS 1010	Human Anatomy and Physiology 2	10
	<b>Credit Points</b>	<b>40</b>

<b>Year 2</b>		
<b>Autumn session</b>		
BIOS 2042	Biochemistry	10
PROC 2002	Innovative Foods	10
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>

<b>Spring session</b>		
BIOS 2021	Metabolism	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>

<b>Year 3</b>		
<b>Autumn session</b>		
NATS 3040	Topics in Medical Science	10
HLTH 3020	Global Nutrition and Food	10
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>

<b>Spring session</b>		
HLTH 3001	Applied Nutrition	10
HLTH 3019	Nutrition, Health and Disease	10
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>
	<b>Total Credit Points</b>	<b>240</b>

## Bachelor of Advanced Medical Science

Qualification for the award of Bachelor of Advanced Medical Science with a major in Human Nutrition 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
NATS 1009	Human Anatomy and Physiology 1	10
Choose one of		10
MATH 1014	Mathematics 1A	
MATH 1026	Quantitative Thinking	
MATH 1003	Biometry	
		<b>Credit Points</b>
		<b>40</b>
<b>Spring session</b>		
BIOS 1012	Cell Biology	10
CHEM 1012	Essential Chemistry	10
PROC 1005	Introduction to Food Science	10
NATS 1010	Human Anatomy and Physiology 2	10
		<b>Credit Points</b>
		<b>40</b>

Year 2		
Autumn session		
BIOS 2042	Biochemistry	10
PROC 2002	Innovative Foods	10
NATS 2001	Advanced Science Project A	10
Choose one elective		10
	<b>Credit Points</b>	<b>40</b>
Spring session		
BIOS 2021	Metabolism	10
NATS 2002	Advanced Science Project B	10
Choose one of		10
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>60</b>
Year 3		
Autumn session		
NATS 3040	Topics in Medical Science	10
HLTH 3020	Global Nutrition and Food	10
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>
Spring session		
HLTH 3001	Applied Nutrition	10
HLTH 3019	Nutrition, Health and Disease	10
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>
	<b>Total Credit Points</b>	<b>270</b>

## Recommended Sequence 2024

All students must complete 60 credit points of study at Level 3 to meet course requirements. Students will need to select at least 10 credit points of elective study at Level 3 to meet this requirement.

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

### Bachelor of Medical Science

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

## Diploma in Science/Bachelor of Medical Science

Qualification for the award of Diploma in Science/Bachelor of Medical Science with a major in Human Nutrition requires the successful completion of 250 credit points as per 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</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
NATS 1029	Human Anatomy and Physiology 1 (WSTC)	10
NATS 1030	Human Anatomy and Physiology 2 (WSTC)	10
PROC 1007	Introduction to Food Science (WSTC)	10
Choose one of		10
MATH 1027	Quantitative Thinking (WSTC)	
MATH 1004	Biometry (WSTC)	
	<b>Credit Points</b>	<b>90</b>
<b>Year 1</b>		
<b>Autumn session</b>		
NATS 1019	Scientific Literacy	10
CHEM 1008	Introductory Chemistry	10
NATS 1009	Human Anatomy and Physiology 1	10
Choose one of		10
MATH 1014	Mathematics 1A	
MATH 1026	Quantitative Thinking	
MATH 1003	Biometry	
	<b>Credit Points</b>	<b>40</b>
<b>Spring session</b>		
BIOS 1012	Cell Biology	10
CHEM 1012	Essential Chemistry	10
PROC 1005	Introduction to Food Science	10
NATS 1010	Human Anatomy and Physiology 2	10
	<b>Credit Points</b>	<b>40</b>

<b>Year 2</b>			Choose one elective	10	
<b>Autumn session</b>			<b>Credit Points</b>	<b>40</b>	
BIOS 2042	Biochemistry	10	<b>Spring session</b>		
PROC 2002	Innovative Foods	10	BIOS 3038	Metabolism	
Choose two electives		20	NATS 2002	Advanced Science Project B	
	<b>Credit Points</b>	<b>40</b>	Choose one of	10	
<b>Spring session</b>			NATS 3044	Complex Case Studies in Science	
BIOS 3038	Metabolism	10	NATS 3045	Work Internship for Science Professionals	
Choose one of		10	Choose one elective	10	
NATS 3044	Complex Case Studies in Science			<b>Credit Points</b>	
NATS 3045	Work Internship for Science Professionals			<b>60</b>	
Choose two electives		20	<b>Year 3</b>		
	<b>Credit Points</b>	<b>40</b>	<b>1H session</b>		
<b>Year 3</b>			NATS 3055	Practicum 1	10
<b>1H session</b>				<b>Credit Points</b>	<b>10</b>
NATS 3055	Practicum 1	10	<b>Autumn session</b>		
	<b>Credit Points</b>	<b>10</b>	HLTH 3020	Global Nutrition and Food	10
<b>Autumn session</b>			NATS 3043	Advanced Science Research Project C	10
HLTH 3020	Global Nutrition and Food	10	Choose one elective	10	
Choose two electives		20		<b>Credit Points</b>	<b>30</b>
	<b>Credit Points</b>	<b>30</b>	<b>Spring session</b>		
<b>Spring session</b>			HLTH 3001	Applied Nutrition	10
HLTH 3001	Applied Nutrition	10	HLTH 3019	Nutrition, Health and Disease	10
HLTH 3019	Nutrition, Health and Disease	10	NATS 3043	Advanced Science Research Project C	10
Choose two electives		20	Choose one elective	10	
	<b>Credit Points</b>	<b>40</b>		<b>Credit Points</b>	<b>40</b>
	<b>Total Credit Points</b>	<b>240</b>		<b>Total Credit Points</b>	<b>260</b>

## Bachelor of Advanced Medical Science

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

Course	Title	Credit Points	Course	Title	Credit Points
<b>Year 1</b>					
<b>Autumn session</b>					
NATS 1019	Scientific Literacy	10		<b>Year 1: College subjects</b>	
CHEM 1008	Introductory Chemistry	10		Standard 3-term year	
NATS 1009	Human Anatomy and Physiology 1	10		<b>Preparatory subject</b>	
Choose one of		10	CHEM 0001	Chemistry (WSTC Prep)	10
MATH 1014	Mathematics 1A			<b>Eight university-level subjects</b>	
MATH 1026	Quantitative Thinking		BIOS 1014	Cell Biology (WSTC)	10
MATH 1003	Biometry		CHEM 1013	Essential Chemistry (WSTC)	10
	<b>Credit Points</b>	<b>40</b>	NATS 1020	Scientific Literacy (WSTC)	10
<b>Spring session</b>			CHEM 1009	Introductory Chemistry (WSTC)	10
BIOS 1012	Cell Biology	10	NATS 1029	Human Anatomy and Physiology 1 (WSTC)	10
CHEM 1012	Essential Chemistry	10	NATS 1030	Human Anatomy and Physiology 2 (WSTC)	10
PROC 1005	Introduction to Food Science	10	PROC 1007	Introduction to Food Science (WSTC)	10
NATS 1010	Human Anatomy and Physiology 2	10	Choose one of		10
	<b>Credit Points</b>	<b>40</b>	MATH 1027	Quantitative Thinking (WSTC)	
<b>Year 2</b>			MATH 1004	Biometry (WSTC)	
<b>Autumn session</b>				<b>Credit Points</b>	<b>90</b>
BIOS 2042	Biochemistry	10			
PROC 2002	Innovative Foods	10			
NATS 2001	Advanced Science Project A	10	BIOS 2042	Biochemistry	10

PROC 2002	Innovative Foods	10
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>
<b>Spring session</b>		
BIOS 3038	Metabolism	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>
<b>Year 3</b>		
<b>1H session</b>		
NATS 3055	Practicum 1	10
	<b>Credit Points</b>	<b>10</b>
<b>Autumn session</b>		
HLTH 3020	Global Nutrition and Food	10
Choose two electives		20
	<b>Credit Points</b>	<b>30</b>
<b>Spring session</b>		
HLTH 3001	Applied Nutrition	10
HLTH 3019	Nutrition, Health and Disease	10
Choose two electives		20
	<b>Credit Points</b>	<b>40</b>
	<b>Total Credit Points</b>	<b>250</b>

## Related Programs

Bachelor of Advanced Medical Science (3758) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-advanced-medical-science/>)

Bachelor of Medical Science (3755) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-medical-science/>)

Diploma in Science/Bachelor of Medical Science (6042) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/diploma-science-bachelor-medical-science/>)