

# ANATOMY AND PHYSIOLOGY, TESTAMUR MAJOR (T084)

Western Sydney University Major Code: T084

Previous Code: MT3028.1

Available to students in other Western Sydney University programs?

No

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

This major focuses on human anatomy and physiology in relation to health and disease. You will develop detailed knowledge of how the human body functions, as well as practical skills. Your strong foundation in this discipline area will provide career opportunities in medical research, hospital pathology or medical imaging laboratories, pharmaceutical, medical sales, allied health companies, research and quality control laboratories, or further education, including graduate medicine degrees. Employment can be in other non-scientific areas such as insurance, government, law or publishing where science knowledge is valued. A variety of minors or free electives allow students to design their own learning journey.

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
Parramatta Campus - Victoria Road	Internal	science@westernsydney.edu.au	10

## Recommended Sequence Current

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 Anatomy and Physiology requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points	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>
		40	
<b>Spring session</b>			
BIOS 1012	Cell Biology		
CHEM 1012	Essential Chemistry		
NATS 1010	Human Anatomy and Physiology 2		
Choose one elective			
			<b>Credit Points</b>
		10	

CHEM 1012	Essential Chemistry	10
NATS 1010	Human Anatomy and Physiology 2	10
Choose one elective		10
<b>Credit Points</b>		40

## Year 2

### Autumn session

BIOS 2042	Biochemistry	10
NATS 2004	Anatomy of the Thorax and Abdomen	10
NATS 2034	Human Systems Physiology 1	10
Choose one elective		10
<b>Credit Points</b>		40

### Spring session

NATS 3054	Human Systems Physiology 2	10
NATS 3037	Neuroanatomy	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose one elective		10
<b>Credit Points</b>		40

## Year 3

### 1H session

NATS 3055	Practicum 1	10
<b>Credit Points</b>		10

### Autumn session

Choose three electives		30
<b>Credit Points</b>		30
<b>Spring session</b>		
BIOS 3028	Pathological Basis of Human Disease	10
NATS 3046	Advanced Physiology	10
Choose two electives		20
<b>Credit Points</b>		40
<b>Total Credit Points</b>		240

## Bachelor of Advanced Medical Science

Qualification for the award of Bachelor of Advanced Medical Science with a Major in Anatomy and Physiology 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>
		40
<b>Spring session</b>		
BIOS 1012	Cell Biology	10
CHEM 1012	Essential Chemistry	10
NATS 1010	Human Anatomy and Physiology 2	10
Choose one elective		10
		<b>Credit Points</b>
		40

Year 2		Course	Title	Credit Points
<b>Autumn session</b>				
BIOS 2042	Biochemistry	10	<b>Year 2</b>	
NATS 2004	Anatomy of the Thorax and Abdomen	10	<b>Autumn session</b>	
NATS 2034	Human Systems Physiology 1	10	BIOS 2042	Biochemistry
NATS 2001	Advanced Science Project A	10	NATS 2004	Anatomy of the Thorax and Abdomen
	<b>Credit Points</b>	<b>40</b>	NATS 2034	Human Systems Physiology 1
			Choose one elective	10
<b>Spring session</b>				
NATS 3054	Human Systems Physiology 2	10		<b>Credit Points</b>
NATS 3037	Neuroanatomy	10		<b>40</b>
NATS 2002	Advanced Science Project B	10	<b>Spring session</b>	
Choose one of		10	NATS 3054	Human Systems Physiology 2
NATS 3044	Complex Case Studies in Science		NATS 3037	Neuroanatomy
NATS 3045	Work Internship for Science Professionals		Choose one of	10
	<b>Credit Points</b>	<b>40</b>	NATS 3044	Complex Case Studies in Science
			NATS 3045	Work Internship for Science Professionals
<b>Year 3</b>				
<b>1H session</b>				
NATS 3055	Practicum 1	10	<b>Year 3</b>	
	<b>Credit Points</b>	<b>10</b>	<b>1H session</b>	
<b>Autumn session</b>				
NATS 3043	Advanced Science Research Project C	10	NATS 3055	Practicum 1
Choose two electives		20		<b>Credit Points</b>
	<b>Credit Points</b>	<b>30</b>		<b>10</b>
<b>Spring session</b>				
NATS 3046	Advanced Physiology	10	<b>Autumn session</b>	
BIOS 3028	Pathological Basis of Human Disease	10	Choose three elective subjects	30
NATS 3043	Advanced Science Research Project C	10		<b>Credit Points</b>
Choose one elective		10		<b>30</b>
	<b>Credit Points</b>	<b>40</b>	<b>Spring session</b>	
			BIOS 3028	Pathological Basis of Human Disease
	<b>Total Credit Points</b>	<b>240</b>	NATS 3046	Advanced Physiology
			Choose two electives	20
				<b>Credit Points</b>
				<b>40</b>
				<b>Total Credit Points</b>
				<b>160</b>

## Diploma in Science/Bachelor of Medical Science

Qualification for this award with a Major in Anatomy and Physiology requires the successful completion of 250 credit points as per the recommended sequence below.

Subject	Title	Credit Points
<b>Year 1: College subjects</b>		
Standard 3-terms year		
<b>Preparatory subject</b>		
CHEM 0001	Chemistry (WSTC Prep)	10
<b>And eight university-level subjects comprising:</b>		
BIOS 1014	Cell Biology (WSTC)	10
CHEM 1013	Essential Chemistry (WSTC)	10
NATS 1020	Scientific Literacy (WSTC)	10
MATH 1027	Quantitative Thinking (WSTC)	10
CHEM 1009	Introductory Chemistry (WSTC)	10
NATS 1009	Human Anatomy and Physiology 1	10
NATS 1010	Human Anatomy and Physiology 2	10
BIOS 1003	Biodiversity (WSTC)	10
<b>Total Credit Points</b>	<b>90</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 Anatomy and Physiology 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

NATS 1010	Human Anatomy and Physiology 2	10	Choose one elective	10
Choose one elective		10		
	<b>Credit Points</b>	<b>40</b>	<b>Credit Points</b>	<b>40</b>
<b>Year 2</b>			<b>Year 2</b>	
<b>Autumn session</b>			<b>Autumn session</b>	
BIOS 2042	Biochemistry	10	BIOS 2042	Biochemistry
NATS 2004	Anatomy of the Thorax and Abdomen	10	NATS 2004	Anatomy of the Thorax and Abdomen
NATS 2034	Human Systems Physiology 1	10	NATS 2034	Human Systems Physiology 1
Choose one elective		10	NATS 2001	Advanced Science Project A
	<b>Credit Points</b>	<b>40</b>	<b>Credit Points</b>	<b>40</b>
<b>Spring session</b>			<b>Spring session</b>	
NATS 2035	Human Systems Physiology 2	10	NATS 2035	Human Systems Physiology 2
NATS 3037	Neuroanatomy	10	NATS 3037	Neuroanatomy
Choose one of		10	NATS 2002	Advanced Science Project B
NATS 3044	Complex Case Studies in Science		Choose one of	
NATS 3045	Work Internship for Science Professionals		NATS 3044	Complex Case Studies in Science
Choose one elective		10	NATS 3045	Work Internship for Science Professionals
	<b>Credit Points</b>	<b>40</b>	<b>Credit Points</b>	<b>40</b>
<b>Year 3</b>			<b>Year 3</b>	
<b>Autumn session</b>			<b>Autumn session</b>	
NATS 3040	Topics in Medical Science	10	NATS 3040	Topics in Medical Science
Choose three electives		30	NATS 3043	Advanced Science Research Project C
	<b>Credit Points</b>	<b>40</b>	Choose two electives	20
<b>Spring session</b>			<b>Credit Points</b>	<b>40</b>
BIOS 3028	Pathological Basis of Human Disease	10	BIOS 3028	Pathological Basis of Human Disease
NATS 3046	Advanced Physiology	10	NATS 3043	Advanced Science Research Project C
Choose two electives		20	Choose one elective	10
	<b>Credit Points</b>	<b>40</b>		
	<b>Total Credit Points</b>	<b>240</b>	<b>Credit Points</b>	<b>40</b>
			<b>Total Credit Points</b>	<b>240</b>

### Equivalent subject

The following subject counts towards completion of this Major for students who passed this subject in 2019 or earlier.

BIOS 3002 - Advanced Physiology

### Bachelor of Advanced Medical Science

Qualification for the award of Bachelor of Advanced Medical Science with a Major in Anatomy and Physiology requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points	Subject	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-terms 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		BIOS 1014	Cell Biology (WSTC)	10
MATH 1026	Quantitative Thinking		CHEM 1013	Essential Chemistry (WSTC)	10
MATH 1003	Biometry		NATS 1020	Scientific Literacy (WSTC)	10
	<b>Credit Points</b>	<b>40</b>	MATH 1027	Quantitative Thinking (WSTC)	10
<b>Spring session</b>			CHEM 1009	Introductory Chemistry (WSTC)	10
BIOS 1012	Cell Biology	10	NATS 1009	Human Anatomy and Physiology 1	10
CHEM 1012	Essential Chemistry	10	NATS 1010	Human Anatomy and Physiology 2	10
NATS 1010	Human Anatomy and Physiology 2	10	BIOS 1003	Biodiversity (WSTC)	10
	<b>Total Credit Points</b>				<b>90</b>

Course	Title	Credit Points	MATH 1026	Quantitative Thinking	10
	Choose one elective				10
<b>Year 2</b>					<b>50</b>
<b>Autumn session</b>					<b>Year 2</b>
BIOS 2042	Biochemistry	10	BIOS 2042	Biochemistry	10
NATS 2004	Anatomy of the Thorax and Abdomen	10	NATS 2004	Anatomy of the Thorax and Abdomen	10
NATS 2034	Human Systems Physiology 1	10	NATS 2034	Human Systems Physiology 1	10
Select one elective		10	Choose one elective		10
<b>Credit Points</b>			<b>Credit Points</b>		
<b>Spring session</b>			<b>Credit Points</b>		
NATS 2035	Human Systems Physiology 2	10	NATS 2035	Human Systems Physiology 2	10
NATS 3037	Neuroanatomy	10	NATS 3037	Neuroanatomy	10
NATS 3044	Complex Case Studies in Science	10	NATS 3044	Complex Case Studies in Science	
Select one elective		10	Choose one elective		10
<b>Credit Points</b>			<b>Credit Points</b>		
<b>Year 3</b>			<b>Credit Points</b>		
<b>Autumn session</b>			<b>Credit Points</b>		
NATS 3040	Topics in Medical Science	10	NATS 3040	Topics in Medical Science	10
NATS 3046	Advanced Physiology	10	NATS 3046	Advanced Physiology	10
Select two electives		20	Choose two electives		20
<b>Credit Points</b>			<b>Credit Points</b>		
<b>Spring session</b>			<b>Credit Points</b>		
BIOS 3028	Pathological Basis of Human Disease	10	BIOS 3028	Pathological Basis of Human Disease	10
Select two elective		20	Choose three electives		30
<b>Credit Points</b>			<b>Credit Points</b>		
<b>Total Credit Points</b>			<b>Total Credit Points</b>		
<b>150</b>			<b>240</b>		

**Equivalent subject**

The following subject counts towards completion of this Major for students who passed this subject in 2019 or earlier.

BIOS 3002 - Advanced Physiology

## Recommended Sequence 2022

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 Anatomy and Physiology requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points		Credit Points
<b>Year 1</b>				
<b>Autumn session</b>				
NATS 1019	Scientific Literacy	10	NATS 1019	Scientific Literacy
BIOS 1001	Biodiversity	10	BIOS 1001	Biodiversity
CHEM 1008	Introductory Chemistry	10	CHEM 1008	Introductory Chemistry
NATS 1009	Human Anatomy and Physiology 1	10	NATS 1009	Human Anatomy and Physiology 1
<b>Credit Points</b>			<b>Credit Points</b>	
<b>Spring session</b>			<b>Credit Points</b>	
BIOS 1012	Cell Biology	10	BIOS 1012	Cell Biology
NATS 1010	Human Anatomy and Physiology 2	10	NATS 1010	Human Anatomy and Physiology 2
<b>Credit Points</b>			<b>Credit Points</b>	
MATH 1014	Mathematics 1A	10	MATH 1014	Mathematics 1A
			MATH 1026	Quantitative Thinking
			Choose one elective	10
				<b>50</b>

Year 2		Course	Title	Credit Points
<b>Autumn session</b>				
BIOS 2042	Biochemistry	10	<b>Year 2</b>	
NATS 2004	Anatomy of the Thorax and Abdomen	10	<b>Autumn session</b>	
NATS 2034	Human Systems Physiology 1	10	BIOS 2042	Biochemistry
NATS 2001	Advanced Science Project A	10	NATS 2004	Anatomy of the Thorax and Abdomen
	<b>Credit Points</b>	<b>40</b>	NATS 2034	Human Systems Physiology 1
			Select one elective	10
<b>Spring session</b>				
NATS 2035	Human Systems Physiology 2	10	<b>Credit Points</b>	<b>40</b>
NATS 2002	Advanced Science Project B	10	<b>Spring session</b>	
NATS 3044	Complex Case Studies in Science		NATS 2035	Human Systems Physiology 2
Choose one elective		10	NATS 3037	Neuroanatomy
	<b>Credit Points</b>	<b>30</b>	NATS 3044	Complex Case Studies in Science
			Select one elective	10
<b>Year 3</b>				
<b>Autumn session</b>				
NATS 3040	Topics in Medical Science	10	<b>Credit Points</b>	<b>40</b>
NATS 3043	Advanced Science Research Project C	10	<b>Year 3</b>	
Choose two electives		20	<b>Autumn session</b>	
	<b>Credit Points</b>	<b>40</b>	NATS 3040	Topics in Medical Science
<b>Spring session</b>				
NATS 3046	Advanced Physiology	10	NATS 3046	Advanced Physiology
BIOS 3028	Pathological Basis of Human Disease	10	Select two electives	20
NATS 3043	Advanced Science Research Project C	10	<b>Credit Points</b>	<b>40</b>
Choose one elective		10	<b>Spring session</b>	
	<b>Credit Points</b>	<b>40</b>	BIOS 3028	Pathological Basis of Human Disease
	<b>Total Credit Points</b>	<b>240</b>	Select two elective	20
			<b>Credit Points</b>	<b>30</b>
			<b>Total Credit Points</b>	<b>150</b>

### Equivalent subject

The following subject counts towards completion of this Major for students who passed this subject in 2019 or earlier.

BIOS 3002 - Advanced Physiology

### Diploma in Science/Bachelor of Medical Science

Qualification for this award with a Major in Anatomy and Physiology requires the successful completion of 250 credit points as per the recommended sequence below.

Subject	Title	Credit Points
<b>Year 1: College subjects</b>		
Standard 3-terms year		
<b>Preparatory subject</b>		
CHEM 0001	Chemistry (WSTC Prep)	10
<b>And eight university-level subjects comprising:</b>		
BIOS 1014	Cell Biology (WSTC)	10
CHEM 1013	Essential Chemistry (WSTC)	10
NATS 1020	Scientific Literacy (WSTC)	10
MATH 1027	Quantitative Thinking (WSTC)	10
CHEM 1009	Introductory Chemistry (WSTC)	10
NATS 1009	Human Anatomy and Physiology 1	10
NATS 1010	Human Anatomy and Physiology 2	10
BIOS 1003	Biodiversity (WSTC)	10
<b>Total Credit Points</b>	<b>90</b>	

### Equivalent subject

The following subject counts towards completion of this Major for students who passed this subject in 2019 or earlier.

BIOS 3002 - Advanced Physiology

### Related Programs

Bachelor of Advanced Medical Science (3758) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-advanced-medical-science/>)

Bachelor of Medical Science (3755) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-medical-science/>)

Diploma in Science/Bachelor of Medical Science (6042) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-science-bachelor-medical-science/>)