SUSTAINABLE WATER FUTURES, TESTAMUR MAJOR (T152)

Western Sydney University Major Code: T152

Sustainable Water Futures, Testamur Major

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

Must be enrolled in a Post Graduate program

The right to safe drinking water and sanitation is an internationally recognized human right and integral to the realization of other human rights. Efficient water management will be key to this in the future as well as providing adequate food, health and well-being, and preserving our natural environments and ecosystems. This specialisation uses a transdisciplinary approach to developing sustainable solutions to current problems with water resourcing and to equip graduates with the tools to tackle future difficulties in water management. It is expected that upon completion of the program students will have the cognitive, technical and critical thinking skills to analyse issues and articulate appropriate solutions in the complex field of water sustainability. A capstone subject involving either a research or professional industry project will allow students to integrate their knowledge and skills developed throughout the program.

Campus	Attendance	Mode	Advice
Hawkesbury Campus	On-Site	Internal	Dr Mark Williams (https://directory.westernsydney.edu.au/search/email/m.williams@westernsydney.edu.au/)
Parramatta South Campus	On-Site	Internal	Dr Mark Williams (https://directory.westernsydney.edu.au/search/email/m.williams@westernsydney.edu.au/)

Major Structure

Qualification for the award of Master of Science (Sustainable Water Futures) requires the successful completion of 160 credit points comprising:

- 20 credit points of core subjects,
- 20 credit points of research capstone subjects,
- 40 credit points of major subjects as follows

Subject	Title	Credit Points
AGEN 7010	Sustainability through Transdisciplinary Approaches	10
AGEN 7009	Water Sustainability in Catchments	10
AGEN 7007	Water Planning, Policy and Governance	10
AGEN 7008	Water Sustainability in Agriculture	10

- and at least 40 credit points from Alternate Pool 1 and up to 40 credit points from Alternate Pool 2.

Students should note that the subjects available in Alternate Pool 1 and Alternate Pool 2 are listed under the Structure tab of the Master of Science (https://hbook.westernsydney.edu.au/programs/master-science/) page.

Recommended Sequence

Master of Science full-time start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
AGEN 7010	Sustainability through Transdisciplinary Approaches	10
AGEN 7009	Water Sustainability in Catchments	10
Select two alternate subjects		20
	Credit Points	**40**
Spring session		
AGEN 7007	Water Planning, Policy and Governance	10
AGEN 7008	Water Sustainability in Agriculture	10
MATH 7016	The Nature of Data	10
select one alternate subject		10
	Credit Points	**40**
Year 2		
Autumn session		
NATS 7055	Experiment Design and Project Management	10
Select three alternate subjects		30
	Credit Points	**40**
Spring session		
Choose 20 credit Points from:		20
NATS 7033	MSc Research Project	
NATS 7054	Professional Topic	
NATS 7057	Research Preparation in Post Graduate Studies	
Select two alternate subjects		20
	Credit Points	**40**
	Total Credit Points	**160**

Master of Science full-time mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
AGEN 7007	Water Planning, Policy and Governance	10
AGEN 7008	Water Sustainability in Agriculture	10
Select two alternate subjects		20
	Credit Points	**40**
Autumn session		
AGEN 7010	Sustainability through Transdisciplinary Approaches	10
AGEN 7009	Water Sustainability in Catchments	10
Select two alternate subjects		20
	Credit Points	**40**
Year 2		
Spring session		
MATH 7016	The Nature of Data	10
Choose 20 credit points from:		20
NATS 7033	MSc Research Project	
NATS 7054	Professional Topic	

NATS 7057	Research Preparation in Post Graduate Studies	
Select one alternate subject		10
	Credit Points	**40**
Autumn session		
NATS 7055	Experiment Design and Project Management	10
Select three alternate subjects		30
	Credit Points	**40**
	Total Credit Points	**160**

Major in other postgraduate programs, full-time start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
AGEN 7010	Sustainability through Transdisciplinary Approaches	10
AGEN 7009	Water Sustainability in Catchments	10
	Credit Points	**20**
Spring session		
AGEN 7007	Water Planning, Policy and Governance	10
AGEN 7008	Water Sustainability in Agriculture	10
	Credit Points	**20**
	Total Credit Points	**40**

Major in other postgraduate programs, Mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
AGEN 7007	Water Planning, Policy and Governance	10
AGEN 7008	Water Sustainability in Agriculture	10
	Credit Points	**20**
Autumn session		
AGEN 7010	Sustainability through Transdisciplinary Approaches	10
AGEN 7009	Water Sustainability in Catchments	10
	Credit Points	**20**
	Total Credit Points	**40**

Equivalent Subject

The subject listed below counts towards completion of this major for students who passed this subject in 2021 or earlier.

ENGR 7018 - Research Preparation in Post Graduate Studies, replaced by NATS 7057 (https://hbook.westernsydney.edu.au/search/?P=NATS%207057) Research Preparation in Post Graduate Studies