Cradit

## SOFTWARE DEVELOPMENT, **TESTAMUR MAJOR (T148)**

Western Sydney University Major Code: T148

Available to students in other Western Sydney University

Programs: Yes. Check that your program has the available credit points required to complete the subjects in this field of study. Any requisite requirements must also be met. Consult your Program Advisor for further advice.

In this major, students learn how to create high quality software to meet client needs. This involves applying the theories and practices of software development to determine requirements, design and deliver solutions. In this software development lifecycle process, students use a range of technologies, and programming skills used for the development of software systems and distributed applications. In addition, students develop the ability to identify, analyse, and formulate solutions to real-world problems in the software development domain. In devising these solutions students also consider principles associated with user interface design, professional and ethical issues, in particular those relating to security and privacy of user data and user behaviour related to software development and associated applications.

## Location

Attendance	Mode	Advice	COMP 2023	Mathematical Programming	
		adma Ourantamanud	COMP 1013	Analytics Programming	
Full-time	Internal		Select one of t		10
Part-time	Internal	cdms@westernsyd	** Students who ney.edu.au MUST complete	NOT completed MATH 1006 in the program core, MATH 1006	
Full-time	Internal	cdms@westernsvd	MATH 1006	Discrete Mathematics	
		oumo@westernsyu	** Students who		,
Part-time	Internal	cdms@westernsyd	n MATH 2009	Introduction to Data Science	
			MATH 2010	Linear Algebra	
			Total Credit Poin	ts	80
Full-time	Internal	cdms@westernsyd	ney.edu.au		
Part-time	Internal	cdms@westernsyd	nelyaedhe.lag of Infor	mation and Communications Technology (3639)	
Full-time	Part-time		bachelor-informa	ation-communications-technology/)	
Part-time	Internal	a.cevenini@city.we	(3684) (https://h	book.westernsydney.edu.au/archives/2022-2023/	ed)
	Full-time  Part-time  Full-time  Part-time  Full-time	Full-time Internal  Part-time Internal  Full-time Internal  Part-time Internal  Full-time Internal  Part-time Internal  Part-time Part-time  Part-time Part-time	Full-time Internal cdms@westernsyd  Part-time Internal cdms@westernsyd  Full-time Internal cdms@westernsyd  Part-time Internal cdms@westernsyd  Full-time Internal cdms@westernsyd  Part-time Internal cdms@westernsyd  Full-time Part-time a.cevenini@city.we	Attendance Mode Advice  Full-time Internal cdms@westernsydneverling and severe select one of the Selec	Attendance Mode Advice  COMP 1013 Analytics Programming  **Select one of the following  Part-time Internal cdms@westernsydnevedulauludents who NOT completed MATH 1006 in the program core, MUST complete MATH 1006  Full-time Internal cdms@westernsydnevedulaulustr completed MATH 1006 in the program core MUST complete MATH 1006 Discrete Mathematics  **Students who HAVE completed MATH 1006 in the program core MUST complete either MATH 2009 or MATH 2010  Part-time Internal cdms@westernsydnevedulaulustr complete either MATH 2009 Introduction to Data Science MATH 2010 Linear Algebra  Total Credit Points  Full-time Internal cdms@westernsydnevedulaulustr complete either MATH 2010 Communications Technology (3639)  a.cevenini@city.westernsydnevedulaulustr installed in the program core of the following in the program core of t

This major structure applies to students who commenced in Autumn 2023.

Students must complete 80 credit points as follows

Subject	Title	Credit		
		Points		
COMP 2009	Data Structures and Algorithms	10		
COMP 3013	Mobile Applications Development	10		
MATH 1006	Discrete Mathematics	10		
INFO 3003	Human-Computer Interaction	10		
COMP 3012	Introduction to Cloud Computing	10		
COMP 3036 Full	10			
Select one of the	e following	10		
COMP 2029	DevOps			
COMP 3009	Distributed Systems and Programming			
COMP 3015	Operating Systems Programming			
Select one of the following				

Total Credit Points			80
	COMP 1013	Analytics Programming	
	COMP 2023	Mathematical Programming	
	INFO 3011	Social Computing	

This sequence applies to students who commenced in Spring 2023.

If you commenced in Autumn 2023 please refer to the Autumn 2023 Sequence tab for details.

Students must complete 80 credit points as follows

Title

Subject

advanced/)

	Subject		Credit Points
	COMP 2009	Data Structures and Algorithms	10
	COMP 3013	Mobile Applications Development	10
	INFO 3003	Human-Computer Interaction	10
	COMP 3012	Introduction to Cloud Computing	10
	COMP 3036 Full S	Stack Development	10
	Select one of the following		
	COMP 2029	DevOps	
	COMP 3009	Distributed Systems and Programming	
	COMP 3015	Operating Systems Programming	
	Select one of the	following	10
	INFO 3011	Social Computing	
	COMP 2023	Mathematical Programming	
_	COMP 1013	Analytics Programming	
	** Select one of t		10
n	** Students who l ey.edu.au MUST complete I	NOT completed MATH 1006 in the program core, MATH 1006	
n	MATH 1006	Discrete Mathematics	
		HAVE completed MATH 1006 in the program core either MATH 2009 or MATH 2010	e,
n	MATH 2009	Introduction to Data Science	
	MATH 2010	Linear Algebra	
n	Total Credit Point ey.edu.au	ts	80
		mation and Communications Technology (3639)	
st	(https://hbook.w ernsydney.edu.ad bachelor-informa	esternsydney.edu.au/archives/2022-2023/progra tion-communications-technology/)	ims/