

# ENTERPRISE SYSTEMS AND ARCHITECTURES, TESTAMUR MAJOR (T151)

Western Sydney University Major Code: T151

## 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.

This major is for highly motivated students who wish to enhance their experience and further their career opportunities through work-integrated learning. Most subjects in the major offer placements with industry partners, including a six-month internship. The internships are offered by our industry partners, such as DXC, which is the main supplier of the technology for the Aerotropolis infrastructure. There is a limited number of internships available each year; hence students will need to perform at an advanced level to secure one of these. Undertaking the internship will strongly increase the landing of a permanent position with target industry partners upon graduation. The major covers theories and technologies used for the development of large-scale infrastructure projects and the systems and integration that go along with projects of this size. Students will better understand the development and management processes related to each phase of the project and development life cycle. In addition, they will identify, analyse, and formulate solutions to real-world problems that occur in large-scale infrastructure projects. In devising these solutions students will consider principles associated with user interface design, professional and ethical issues, in particular, those relating to security and privacy of customer data and customer behaviour. Students who fail to secure an internship will be transferred to the Software Development major to be able to complete their ICT studies.

Campus	Attendance	Mode	Advice
Campbelltown	FT and PT	Internal	Program Advice ( <a href="https://hbook.westernsydney.edu.au/majors-minors/enterprise-systems-architectures-ug-testamur-major/">https://hbook.westernsydney.edu.au/majors-minors/enterprise-systems-architectures-ug-testamur-major/</a> CDMS@westernsydney.edu.au)
Parramatta - Victoria Road	FT and PT	Internal	Program Advice ( <a href="https://hbook.westernsydney.edu.au/majors-minors/enterprise-systems-architectures-ug-testamur-major/">https://hbook.westernsydney.edu.au/majors-minors/enterprise-systems-architectures-ug-testamur-major/</a> CDMS@westernsydney.edu.au)
Penrith	FT and PT	Internal	Program Advice ( <a href="https://hbook.westernsydney.edu.au/majors-minors/enterprise-systems-architectures-ug-testamur-major/">https://hbook.westernsydney.edu.au/majors-minors/enterprise-systems-architectures-ug-testamur-major/</a> CDMS@westernsydney.edu.au)

## Structure

Students must complete 80 credit points as follows

Subject	Title	Credit Points
MATH 1006	Discrete Mathematics	10
COMP 2029	DevOps	10
COMP 3036	Full Stack Development	10
COMP 3012	Introduction to Cloud Computing	10
INFO 5001	Workflow Management for Business Solutions	10
COMP 3038	Professional ICT Internship	30
<b>Total Credit Points</b>		<b>80</b>

## Related Programs

Bachelor of Information and Communications Technology (3639) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/>)

Bachelor of Information and Communications Technology (Advanced) (3684) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology-advanced/>)