ASTROINFORMATICS, MINOR (0096)

Western Sydney University Minor Code: 0096

Previous Code: SM3080.1

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 minor aims to produce graduates with excellent computing skills, a thorough grounding in astronomy, and experience in using computers to solve complex, challenging scientific problems. Modern astronomy is strongly driven by large datasets, which require advanced computing procedures to analyse. Students will learn about the science of stars, planets and galaxies; the use of computers in science; and how to formulate and solve challenging problems in modern science using high-level computer skills.

Location

Campus	Mode	Advice
Campbelltown Campus	Internal	CDMS@westernsydney.edu.au
Parramatta Campus - Victoria Road	Internal	CDMS@westernsydney.edu.au
Penrith Campus	Internal	CDMS@westernsydney.edu.au

Minor Structure

Students must complete 40 credit points as follows

Subject	Title	Credit Points
PHYS 3001	Astroinformatics	10
MATH 1014	Mathematics 1A	10
COMP 1005	Programming Fundamentals	10
PHYS 2004	The Cosmos in Perspective: Information and Life	10
Total Credit Points		**40**

Related Programs

Bachelor of Data Science (3769) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-data-science/)

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/)

Diploma/Bachelor of Information and Communications Technology (6039) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-bachelor-information-communications-technology/)