The University of Western Australia (UWA) is a science-focused university, internationally renowned for excellence in teaching and research.

The Faculty of Science has a collaborative environment, and its emphasis on shared academic resources and expertise across discipline areas creates a rich and dynamic experience.

**Master of Geographic Information Science with specialisations in**
- Applications of GIS and remote sensing
- Spatial thinking and problem solving
- Cartography and Geovisualisation
- Spatial modelling and programming

**UWA’s breadth of expertise across the science disciplines is unequalled!**

The Master of Geographic Information Science develops technical and research skills applicable to the range of disciplines relying on the use of spatial analytic techniques. The course provides a grounding in both theory and practice. You will be competent in advanced Geographic Information Systems (GIS) techniques, spatial problem solving, and implementation and management of GIS projects.

**This course is distinctive as:**
- It provides a multidisciplinary approach to spatial analysis with emphasis on applications in both the physical and social sciences, allowing you a wider range of employment opportunities.
- A strong focus on problem solving with perspectives from a variety of disciplines enables a richer learning experience.
- Skill sets can be tailored to your interests.

**Career opportunities**

GIS and Remote Sensing skills have become core business in a number of industries, thus providing a wide variety of employment opportunities. (Aid and Development, Business, Defence and Intelligence, Education, Government, Health and Human Services, Mapping and Charting, Natural Resources, Public Safety, Transportation, Utilities and Communications).

**Course Structure**

You will study the core units of:
- Geographic Information Systems Applications
- GIS Programming
- Readings in Cartography and Geovisualisation
- Remote Sensing of the Environment
- Advanced Geographic Information Systems
- GIS and the Build Environment
- Plus electives

You may apply to replace the equivalent of half a year’s units with a research project.

* Academic Ranking of World Universities 2013
Admission requirements

You must have a relevant bachelor’s degree.

English Language Competence

You demonstrate a minimum level of English Language Competence. See studyat.uwa.edu.au/undergraduate/admission/english

Key Information

While the standard timeframe for completion of this degree is two years (full time), if you have previously completed an undergraduate degree in a cognate (related) area it may be possible to complete within 1.5 years.

Example cognate areas are: Agricultural Science; Botany; Conservation Biology; Engineering Science; Environmental Science; Geography; Marine Science; Natural Resource Management; Urban and Regional Planning.

Partial scholarships are available for high achieving international students. See science.uwa.edu.au/courses/scholarships.

Intake periods: February and July each year

How to apply

The University of Western Australia
M083, 35 Stirling Highway
Crawley, WA 6009
studyat.uwa.edu.au/applynow

Course enquiries

Email: postgrad-science@uwa.edu.au
Online enquiries: ask.uwa.edu.au
science.uwa.edu.au

International students should also visit international.uwa.edu.au/studentnet/esos which gives more information about the study environment, course fees and refund policy, support services, and schooling obligations for dependent children.