

UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	<p>ENVTM5050 GIS and Remote Sensing in a Changing World</p> <p>In this micro-credential participants will explore geographic information systems (GIS) and remote sensing methods through real-world scenarios. They will explore impactful applications, such as the use of timeseries satellite data in measuring climate change impacts, or blue carbon hotspots. After completion, participants will be better prepared to apply GIS and remote sensing to environmental monitoring scenarios. These skills can be integrated into various aspects of environmental analysis and impact assessments.</p>
Certified learning	<ol style="list-style-type: none"> 1. Apply GIS and remote sensing data to a real-world environmental scenario. 2. Demonstrate an understanding of the complexities of spatial data, including recognising different types of spatial data, and applying correct projections and transformations to spatial data. 3. Develop a geoprocessing model that uses spatial data and multiple spatial techniques to evaluate environmental questions. 4. Effectively communicate the geoprocessing method and environmental assessment in written and visual formats
How learner participated	Online only
Effort required (indicative)	150 hours
Main assessment task	Application of a skill to a complex problem
Supervision and identity verification	Unsupervised, no identity verification
Indicative equivalent level	Masters
Quality assurance	The University of Western Australia
Successful learner earns PD Points for conversion to:	<p>6 PD Points</p> <ul style="list-style-type: none"> • Admission to an award course No • Credit towards an award course Yes Unspecified credit towards a Master of Agricultural Economics, Master of Agricultural Science, Master of Biotechnology or Master of Environmental Science (6 PD points required). • If yes, how much credit? Credit is one unit