

UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	BLDGM530 Sustainability and BIM Modeling. Sustainable principles are a core part of current building practice. This unit emphasises critical consideration of the implementation of preferred or standard and cutting edge sustainable strategies in specialised projects at a global level to develop research-based practice. Students obtain knowledge of BIM model's database to manage material attributes and values for real-time energy analyses and prototyping. Students apply understanding to drive iterative, exploratory and integrated processes throughout the project's lifecycle.
Certified learning	(1) apply technical and analytical skills to test a building for its thermal and passive solar performance, integrated with a BIM workflow; (2) manage and apply input and output data for energy optimization in order to refine design solutions; and (3) demonstrate theoretical knowledge underpinning sustainability principles and strategies.
How learner participated	Online only
Effort required (indicative)	50 hours
Main assessment task	Application of a skill to a routine problem, Application of multiple skills to complex problems
Indicative equivalent level	Postgraduate
Industry recognition	nil
Quality assurance	The quality of UWA Plus micro-credentials is assured through The University of Western Australia's standards and academic integrity processes.
Successful learner earns PD Points for conversion to:	2
. Admission to an award course	No
. Credit towards an award course	Yes
	Stackable with additional micro-credentials. Students may apply for the not yet after successfully completing the micro-credentials and associated assessments.
. If yes, how much credit?	Credit is less than one unit