



UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	<p>MINEM521 Tailings Operations. This micro-credential has been designed for professionals working in the field of tailings management. It is best suited to practicing engineers, geoscientists or individuals with responsibility for planning tailings deposition schedules to ensure operational safety and efficiency of the tailings storage facility. It is the first of three micro-credentials in Tailings Operations and Water Management.</p> <p>Participants will learn about the importance of developing, documenting and implementing a Tailings Management Plan that caters for short term tailings capacity requirements, while also implementing strategies to cater for life-of-mine requirements. The key role of aspects such as deposition strategies, layer thickness, maintaining freeboard, decant systems and how to incorporate these aspects into a Tailings Management Plan are covered.</p>
Certified learning	<p>(1) evaluate the impact of beach slope on storage capacity and freeboard; (2) analyse the effect of changing layer thickness on achievable in-situ density; (3) incorporate daily operational practice into a long term management plan; and (4) demonstrate the link between daily operations and geotechnical stability of a tailings storage facility.</p>
How learner participated	Online only
Effort required (indicative)	50 hours, including online contact hours, personal study time and assessments.
Main assessment task	Application of multiple skills to complex problems
Indicative equivalent level	Postgraduate
Industry recognition	None
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
. If yes, how much credit?	Credit is less than one unit
