



## **UWA Plus Micro-credentials**

### *Critical Information Summary*

Title and brief description	OCENM502 Geotechnical Design of Laterally Loaded Offshore Piles. In this micro-credential participants will develop the skills needed to undertake the geotechnical design of laterally loaded pile foundations for offshore wind turbines. Learners will develop an understanding of requirements and geotechnical design approaches appropriate for offshore wind applications. They will learn how to use different calculation tools to design for lateral capacity under ultimate and serviceability limit states, and for both monotonic and cyclic loading.
Certified learning	(1) identify appropriate geotechnical approaches to calculating lateral capacity of piles and (2) compute pile response to lateral loading.
How learner participated	Online only
Effort required (indicative)	75 hours of effort. 1 x 3 hour workshop per week for 6 weeks. Workshop includes practical learning activities using relevant software. Personal study time includes reading, reviewing recorded lectures and completion of assessment tasks.
Main assessment task	Application of a skill to a complex problem, Application of multiple skills to complex problems
Indicative equivalent level	Postgraduate
Industry recognition	The Micro-credential Coordinator and teaching staff have close industry collaboration in this field. There is no formal endorsement.
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:	3
. Admission to an award course	No
. Credit towards an award course	Yes
. If yes, how much credit?	Credit is less than one unit