



UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	OCENM501 Axial Capacity and Drivability Analysis of Offshore Piles. In this micro-credential, you will gain skills in undertaking pile drivability assessments and the geotechnical design of axially loaded pile foundations for offshore wind turbines. You will develop an understanding of the design requirements and geotechnical approaches specific to offshore wind applications, and learn to use various calculation tools to assess drivability and to design for axial loading, considering monotonic and cyclic loading conditions.
Certified learning	(1) identify appropriate geotechnical calculation approaches for pile driving and axial capacity and (2) compute pile installation and axial response.
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 in this unit work closely with industry. 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