

## UWA Plus Micro-credentials

### *Critical Information Summary*

Title and brief description	PHYSN410 Integrated Einsteinian Science for School Teachers. This course is designed for primary and secondary school science teachers and other educators interested in changing the paradigm of school science teaching through the introduction of modern Einsteinian concepts. This course will equip the participants with the knowledge and skills needed to adopt and develop Einsteinian physics lesson plans for school classrooms.
Certified learning	(1) explain the basic concepts of the modern concepts of space, time, gravity and radiation; (2) explain the quantum nature of matter and radiation at the appropriate school level; (3) teach key topics in modern physics using simple models and analogies; and (4) explain the physical mechanisms which are fundamental to the Earth's climate and renewable energy technologies.
How learner participated	Online only
Effort required (indicative)	300 hrs, including a combination of workshops, online lectures, self-directed study, and assessment preparation.
Main assessment task	Portfolio and reflective evidence for validation of proficiency, Testing recall of facts
Indicative equivalent level	Undergraduate
Industry recognition	This micro-credential has been developed following discussions and collaborations through the Einstein-First Project, key stakeholders include: Curtin University; the Australian National University (ANU); the WA Department of Education; the Science Teachers' Association of WA (STAWA); the Association of Independent Schools of WA (AISWA); the Australian Research Council; and the Gravity Discovery Centre.
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:	12
. Admission to an award course	No
. Credit towards an award course	Yes
. If yes, how much credit?	Credit is two unit