



## UWA Plus Micro-credentials

### *Critical Information Summary*

Title and brief description	SCIEM504 Data Analysis with R for Agricultural and Environmental Science. The unit introduces students to data analysis and report preparation using R and R studio at a workplace standard. Examples are used from environmental and agricultural science and economics. Students learn appropriate analyses and statistical techniques for different data, and basic programming in R. You will also experience the advanced analytical and graphical capabilities of R.
Certified learning	(1) collect, manage, and interpret observational and experimental data.; (2) formulate testable hypotheses and use appropriate statistics to test them; and (3) use R/Rstudio to prepare professional high quality reports that integrate data analysis, graphics, and general reporting.
How learner participated	Online only
Effort required (indicative)	150 hours. The structured activities include approximately 1 hour of online recorded lecture content and approximately 2 hours of computer practical examples to complete each week for 12 weeks.
Main assessment task	(1) online quizzes; (2) online assignments; and (3) written report
Indicative equivalent level	Postgraduate
Quality assurance	The University of Western Australia
Successful learner earns PD Points for conversion to:	6
. Admission to an award course	No
. Credit towards an award course	Yes
. If yes, how much credit?	Credit is one unit