



Prior Learning Assessment and Recognition (PLAR) for CHEM1121 – Safety and Techniques

Required Evidence

This section provides information on the evidence that a student must complete and submit to request PLAR credits for this course. To request PLAR credits for this course, please submit a copy of the [PLAR credit request form](#) and the required evidence (unless it's a challenge exam or interview) to transfer@nait.ca.

Learning Outcomes	Required Evidence
Learning Outcome 1: Discuss and implement elements of the Alberta Occupational Health and Safety Act and Workplace Hazardous Materials Information System and recognize the potential for workplace environmental issues.	<ul style="list-style-type: none">• Completion of a 60-minute laboratory demonstration assessing learning outcomes 3-6 with a minimum grade of 50% of higher. The demonstration will include:<ul style="list-style-type: none">○ standard laboratory techniques, specifically weighing, quantitative transfer, solution preparation, and pipetting, to prepare a stock solution and a series of standards of specified concentrations.○ an acid-base titration.• Completion a challenge exam with a minimum grade of 50%. The challenge exam will assess learning outcomes 1&2. It consists of theoretical questions and practical applications. You will have 2 hours to complete the exam. <p><i>The program area will contact you to determine the date and time for the demonstration and challenge exam once your PLAR credit request form has been processed.</i></p>
Learning Outcome 2: Evaluate workplace hazards and risks when working with compressed gases, cryogenics, flammables, corrosives, reactive and toxic materials and electricity and recognize the potential for insidious hazards.	
Learning Outcome 3: Follow chemical laboratory safety protocols and prepare appropriate laboratory documents.	
Learning Outcome 4: Use laboratory glassware and equipment based on standard laboratory practices.	
Learning Outcome 5: Verify and troubleshoot that the performance of general laboratory equipment is acceptable.	
Learning Outcome 6: Prepare solutions and samples for wet chemical analysis.	