DevOps Level 1

Beyond the Cloud is designed to empower you for success in the rapidly evolving IT landscape. This is a 10-week comprehensive program that provides essential technical and soft skills training for in-demand digital infrastructure roles. Please note *Transition to your Cloud Career* and *Agile Industry Mindset (AIM)* workshops run concurrently with Technical and Soft Skills courses during the 10-week period. Please contact your administrator for the schedule. Only Newcomers to Canada are invited to AIM (a newcomer is someone who has immigrated to Canada within the last 5 years).

	Course Name	Lessons	Learning Platform	Learning Objectives	Level and Time Commitment
Course 1	**AWS Cloud Practitioner Essentials**	• AWS cloud concepts	AWS Skill Builder	You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. This course also helps you prepare for the AWS Certified Cloud Practitioner exam.	• Beginner level • 7 hours (approximately)
Course 2	**DevOps Culture and Mindset (4 units)**	• DevOps	Coursera	This course gives you the basic foundational principles of DevOps with a particular focus on culture and the DevOps mindset. We'll learn about how DevOps is grounded in lean principles, and how it can help improve collaboration between developers and operations team members. We'll learn about ideas regarding systems thinking, feedback loops, continuous improvement, loosely coupled architecture and teams, managing risk, and dealing with unplanned work. We'll learn about strategies to manage work, monitor it, keep it organized, and maintain a high level of quality by following key DevOps principles. You'll learn about value stream mapping, and ensuring continuous workflow. Ultimately, we'll learn key ideas and tactics that you can employ at your own organizations to improve both time-to-market and increase the value delivered for your customers, no matter your product line or industry.	• Intermediate level • 14 hours (approximately)
Course 3	**DevOps on AWS Specialization (4 units)**	• Azure DevOps	Coursera	Implement DevOps culture and practices in the AWS Cloud. Explore deployment strategies for serverless applications. Adopt and enforce Continuous Integration and Continuous delivery practices on AWS.	• Intermediate level • 35 hours (approximately)
Course 4	**Developing Solutions for Microsoft Azure**	• Azure Development	Microsoft Learn	This course primarily uses the Azure portal and command line interface to create resources and does not require scripting skills. Fain confidence to take other role-based courses and certifications, such as Azure Administrator. This course will also help prepare for the AZ-204 exam.	• Intermediate level • 15 hours (approximately)
				TOTAL HOURS	71 hours (approximately)