

### **Competency-Based Approach: An innovative way to train the future generations of land surveyors**

To improve its land surveying bachelor's degree program, the Department of Geomatics at Laval University recently decided to implement the competency-based approach. This is a completely different way of designing an academic program with professional outcomes. This approach strengthens the internal program's structure by identifying learning objectives that focus primarily on the student's "know-how" and skills to actively apply knowledge in realistic and practical situations. The challenge then is to define the set of specific skills to be developed by each student aspiring to become a land surveyor. This is a demanding process, which allows teachers and students to better understand the objectives of the training program, as well as to continuously identify ways to improve the training of future generations of land surveyors.