

Customized, blended learning programs for 21st century mining

The electric, automated, and digitalized mines of the future are here, now, and so is MacLean Engineering's advanced workforce training.

MacLean has invested in the development of the MacLean Academy; a platform connecting our operator and mechanical training experts with underground mining end-users in a learning-friendly, efficient, and cost-effective online environment.

The MacLean Academy offers up livestream training as well as self-directed e-Learning, which leverage the accessibility, flexibility, and functionality of the Web and video conferencing technologies.

MacLean Academy's blended learning components

Hands-on Training



- Available at either your mine site or at the MacLean Research and Training Facility in Greater Sudbury, Ontario
- Essential complement to e-learning and livestream training

E-Learning



- Accessible, flexible, and engaging learning environment
- Designed for learner success
- Secure and permanent record of learners' progress and certification
- Re-certification courseware via auto-notification from the MacLean Learning Management System

Livestream



- Connecting MacLean experts with end users around the world
- Erases geographical hurdles, logistics, and costs
- Offers exceptional individual learning experiences
- Available as a virtual training classroom for groups

What topics does the MacLean Academy livestream training offer cover?

- How to get the most from MacLean documentation:
 - Operator Guides
 - Maintenance Bulletins
 - Electrical and hydraulic schematics
 - Online documentation and parts ordering (Documoto)
- General overview of MacLean mining vehicle electrical, hydraulic, and safety systems.
- Model-specific operator overview - Safety pre-op and zero-energy state procedures, safe use instructions, component identification and function, vehicle operation.
- Model-specific maintenance overview – mechanical, electrical, hydraulic systems, scheduled maintenance.
- All livestream training includes knowledge checks (formative assessments) designed for learning and final tests (summative assessments) designed for proof of learning, and course certificates stored securely and permanently on the MacLean Learning Management System.

Virtual Reality Training

We currently offer a Virtual Reality Training system for our Bolter. This system allows operators to familiarize themselves with the bolting process as well as the precheck procedures including brake check operations.

Customized training plans – let's talk

Each MacLean livestream training learning module is typically delivered in three, four-hour sessions where only a high-speed Internet connection is required to allow for the use of Microsoft Teams video conferencing.

The scope of each 12-hour training module is developed in consultation with you, your MacLean account manager, and our training team. Minimum class sizes required. Please talk to us to discuss further.

All reasonable efforts are made to offer all livestream training in English, French, or Spanish. Where French or Spanish livestream course content is not immediately available, MacLean will provide simultaneous translation.



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