



# MOTOR GRADER

LEVEL 1



**Course Overview** This 2 or 3 day course provides fundamentals of safety, equipment characteristics, operation and maintenance that apply to the motor grader. Each student will receive a combination of classroom/theory and practical/hands-on training.

**Note:** Each student must have their own equipment (1:1 ratio; student/equipment). This will ensure adequate practical skill development.

## Classroom Topics

- ▶ Equipment Design & Function
- ▶ Electrical/Hydraulic System
- ▶ Pre-Start Inspections
- ▶ Equipment Warning Devices
- ▶ Controls Review
- ▶ Power-Train
- ▶ Effects of Soil Types & Terrain
- ▶ Grader Blade Operations

## Field/Hands-On Activities

- ▶ Pre-Start Inspection
- ▶ Controls Review
- ▶ Post Operation Procedures
- ▶ Maneuvering Around Obstacles
- ▶ Grader Blade Operation
- ▶ Stability and Centre of Gravity
- ▶ Casting Windrow

**Who Should Attend:** Any person who is responsible for operating a motor grader.

**Learning objectives:** This course will help operators understand the basic operation and safety of motor grader operation. The result of this learning process are improved:

- ▶ Knowledge and conscientious attitude
- ▶ Maintenance habits
- ▶ Safety awareness and productivity

**Evaluation /Documentation:** Theory exam (multiple choice), oral exam (by instructor) and practical exam (on equipment). Each successful participant will be provided with a course certificate and the employer will receive a written operator training summary.

**About the Facilitator:** Developed and delivered to you by **Ground Force Training Inc.**