

Heavy Equipment Operator: Motor Grader
AEN22MGRADE03

Updated February 2024

Focus Statement

A motor grader operator masters all concepts and procedures involved in the operation of motor graders. This includes basic daily preventive maintenance, safety checking, and control of the machine. He/she identifies the main attachments used with motor graders and uses the motor grader to perform the appropriate work-related tasks.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- No extra papers, books, notes or study materials are allowed

Minimum passing score is 75.

Performance Verification

A corresponding hands-on Performance Verification is available.

NCCER Curriculum

All NCCER knowledge assessments are referenced to NCCER’s curriculum modules as listed on this specification sheet. This assessment is referenced to NCCER’s 3rd edition of the Heavy Equipment Operations curriculum. You may order books and modules from Pearson by visiting www.nccer.org/order-books-modules/.

Assessment Development

All questions are developed and approved by subject matter experts under the direction of NCCER.

Credentials

Upon successful completion of the knowledge assessment or performance verification, credentials can be viewed and printed by the individual or assessment program through their NCCER Account.

Score Report and Training Prescription

Each candidate will have online access to their assessment results including their overall score and recommended training through their NCCER Account.

Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
22102	Heavy Equipment Safety	5
22104	Basic Operational Techniques	10
22106 22210	Grades and Site Work	15
22201 22308	Earthmoving and Soils	10
22207	Excavation Math	10
22305	Motor Grader Operations	30

Total Number of Items

80