

Basic Vehicle Operations Course

Course Objectives

1. Explain the importance of:
 - A mature judgment process for a driver
 - The driver's attitude in relation to the ability to operate a motor vehicle
 - Driving within your personal and vehicle limitations
2. Identify items to consider when conducting pre-driving vehicle inspections and who is ultimately responsible for the condition of a motor vehicle
3. Identify the four basic components of driving
 - Steering
 - Braking
 - Cornering
 - Acceleration
4. Identify proper seating, hand, and body positioning when operating a motor vehicle
 - During normal conditions
 - While backing
5. Explain the advantages of shuffle steering
6. Identify the cause and remedy for
 - Brake fade
 - Trail braking and list the reasons for using the technique
7. Identify effective methods of avoiding obstacles
8. Identify reasons why seatbelts are necessary when operating emergency vehicles
9. Explain various aspects of operating vehicles during unusual situations and the appropriate driving responses to each:
 - Night driving
 - Adverse weather (snow, rain, fog, etc)
 - Rear skids
 - Front skids
10. Define each of the following physical properties or laws and list the effect each has on vehicle handling:
 - Directional control
 - Friction
 - Weight transfer
11. Describe the effect of speed on stopping distances
12. Identify proper techniques in vehicle control, including:
 - Rules for backing
 - Parallel parking
 - Urban driving
 - Braking