

## **Class A Outlines**

### **Course I (28 hours - 4 days)**

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#### **Customized Training for Commercial Driver's License I**

This course is designed for students who are pursuing knowledge and skills to acquire Class A, Commercial Driver's License (CDL) and enter the career field of professional truck driving. Upon completion of the course, the student will have completed a review of introductory commercial vehicle transportation principles and practices. Topics to be covered include the following: state laws and regulations governing safety in the commercial transportation industry, the unique features and driving challenges associated with each type of commercial vehicle, log books and regulations, map reading, a brief overview of hazardous materials, accidents and fires and procedures on the driving range. Upon completion of the course the student should be able to:

1. discuss federal and state traffic laws and regulations governing safety in the commercial transportation industry.
2. discuss the guidelines and restrictions that are to be followed by the Department of Transportation.
3. discuss the guidelines and restrictions that are to be followed by the Pipeline and Hazardous Materials Safety Administration.
4. describe the unique features of various trailers and the driving challenges associated with each.
5. describe the role of specialized rigs including unique features and driving challenges.
6. discuss the elements to enter into log books to keep complete records.
7. discuss cargo documentation required of commercial truck drivers.
8. demonstrate the ability to read maps.
9. discuss the requirements for hauling hazardous materials.
10. discuss emergency procedures and responses for truck/trailer accidents, breakdowns and fires.

### **Course II (98 hours - 14 days)**

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#### **Customized Training for Commercial Driver's License II**

This course is designed for students who are pursuing knowledge and skills to acquire Class A, Commercial Driver's License (CDL) and enter the career field of professional truck driving. Upon completion of the course, the student will have completed a review of the functions and operations of the component parts of the commercial transportation vehicle and the fundamental on-the-road commercial vehicle driving techniques. Topics to be covered include the following: basic functions and operations of the commercial transportation vehicle including dashboard and gauges, transmission, air systems and air brakes, engines, tires, steering apparatus, suspension components and Department of Transportation (DOT) regulations, pre-trip inspections and procedures on the driving range, the fundamental skills of putting the vehicle in motion and implementing safe driving techniques in backing, coupling and uncoupling, braking, cornering techniques, clearances (both upper and lower, side, right and left hand turns), convex mirrors and procedures on the driving range. Students will also refine their skills learned in the prior course. Upon completion of the course, the student should be able to:

1. demonstrate proper use of clutch and double clutching.
2. describe the commercial vehicle dashboard and gauge functions.
3. discuss and identify the commercial vehicle drive train including engine, transmission, and drive elements.
4. discuss the function and operation of commercial vehicle air brakes.

5. discuss wheels and tires, tire inflation and tread wear on commercial vehicles.
6. discuss the steering apparatus and turning radius issues for commercial vehicles.
7. demonstrate basic safe driving skills to both couple and uncouple (hook and unhook) tractor from trailer.
8. demonstrate proper use of rear view mirrors.
9. demonstrate proper technique to perform straight line backing.
10. demonstrate basic safe driving skills to put the tractor/trailer in motion after checking required components for safe operation of the vehicle; referred to as a pre-trip inspection.
11. demonstrate off-set alley docking.
12. demonstrate 45° sight-side docking.
13. demonstrate measured right turn.
14. demonstrate basic evasive steering techniques to avoid obstacles.
15. demonstrate basic safe driving skills to check and apply brakes on tractors/trailers for road conditions.

### **Course III (84 hours - 12 days)**

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#### **Customized Training for Commercial Driver's License III**

This course is designed for students who are pursuing knowledge and skills to acquire Class A, Commercial Driver's License (CDL) and enter the career field of professional truck driving. Upon completion of the course, the student will have completed a review of the advanced on-the-road commercial vehicle driving techniques. Topics to be covered include the following: straight line backing, serpentine backing, parking and docking, skills used when maneuvering in traffic and road conditions for maximum safety. Students will refine their skills by reviewing and demonstrating pre-trip inspection, proficiency on the range doing various maneuvers, and over-the-road driving. Upon completion of the course, the student should be able to:

1. demonstrate safe driving skills to back a tractor/trailer in straight lines, serpentine patterns and tight areas.
2. demonstrate safe driving skills to park and dock tractor trailers in various situations.
3. demonstrate safe driving skills to maneuver on-the-road in various traffic situations.
4. demonstrate the process of vehicle inspection before moving the commercial vehicle.
5. demonstrate the proper skills to acquire a CDL license.