

Driver Training

Online Course Catalog



Driver Training Course Catalog

Vector Solutions' driver training catalog helps organizations reduce motor vehicle losses, which are some of the costliest but least addressed issues public entities face. Driver curriculum is designed to change unsafe driving behavior and reinforce critical safe-driving concepts. Courses have been tailored to meet the varied needs of drivers of automobiles, large trucks and passenger vans. With thousands of courses spanning public safety industries, more than 10,000 public agencies rely on Vector Solutions to assign, deliver, track, and report online and in-person training in one place.



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DRIVER TRAINING

- Accidents and Emergencies
- Adjusting to Changing Conditions
- Aggressive Driving
- Dangers of Speeding
- Defensive Driving Strategies
- Distracted Driving
- Driver Safety Orientation
- Expressway and Highway Driving
- Impaired Driving
- Intersection Safety
- Passenger Van Safety
- Safe Backing
- Seat Belt & Airbag Safety
- Securing Materials for Transportation
- Sharing the Road
- Vehicle Inspection and Maintenance
- Vehicle Safety and Security



Accidents and Emergencies (1-hour)

This course provides guidance for employees who drive vehicles on the job, describing post-accident procedures such as who to call, what information to provide and collect, and what forms to complete. Information is also provided on what employee drivers can expect during the accident investigation that will be carried out by their organization and what corrective actions could be recommended to prevent similar accidents in the future. The course also discusses strategies for responding safely to unexpected vehicle emergencies, such as a mechanical failure. Equipping a vehicle with an accident kit and emergency supplies is also part of the recommended preparation strategies as well as some tips on preventing the major causes of accidents and emergencies.

Adjusting to Changing Conditions (1-hour)

Environmental conditions that can affect driving include weather, visibility, and road surface quality. All of these require drivers to be able to respond appropriately and suit their driving performance to make sure the vehicle handles safely under the conditions present. This course reviews these environmental conditions and explains the required driver responses to ensure safe vehicle operations.

Aggressive Driving (1-hour)

The estimated 35,200 individuals killed in motor vehicle fatalities on U.S. roads in 2015 is alarming to the Governors Highway Safety Association (GHSA) and our State Highway Safety Office members. This represents the largest year-over-year percentage increase (7.2 percent) since national record-keeping began.

Dangers of Speeding (1-hour)

Speeding is a contributing factor in nearly one-third of all fatal crashes. Since 1995 the number of deaths and injuries attributed to speed have continued to rise. Technological advances in vehicle safety and passenger protection have not been able to prevent the thousands of needless deaths each year from speed-related crashes. The best solution to the problem is to make drivers aware of the problem and to equip them to drive at safe speeds, which are the two main objectives of this course. Towards these ends, various topics are covered, including what factors influence drivers to speed, what risks arise from excessive speed, how speed affects stopping distance, what economic costs stem from speeding and aggressive driving, how to avoid becoming involved in a collision with a speeder, and what factors to consider in choosing a safe speed for vehicle operation.

Defensive Driving Strategies (1-hour)

The number one cause of work-related fatalities in the U.S. is vehicle crashes. A worker is more likely to suffer fatal injury while operating a vehicle than any other job activity. The need for enhancing safety when driving cannot be understated. Unfortunately, improving one's own driving ability does not guarantee safety on the roadway. No matter how safe a driver is trained to be, he or she cannot control the behavior of other vehicle operators. Encountering unsafe drivers is an inevitable part of every driver's experience. This course is aimed at preparing drivers for encountering potential hazards on the roadway. It follows a three-fold approach by encouraging drivers to anticipate, recognize, and respond to driving hazards. Within this framework, topics covered include principles of defensive driving, the need for driving defensively, practical instruction on how to drive defensively, instruction on maintaining a safety zone perimeter around the driver's vehicle, and effective stopping distance.

Distracted Driving (1-hour)

A brief gaze at a vehicle accident, a look down to try to read a map, a routine cell phone conversation -- these all have the potential to cause a deadly truck accident. According to the National Highway Traffic Safety Administration, 6 to 8.3 million drivers crashed in the past five years as a result of being distracted. Distracted driving is receiving increasing attention from both the media and legislators, but there is still a long way to go before drivers are fully aware of the hazards involved. Large vehicles require 20-40% more stopping distance, and when a driver's attention is diverted from the roadway ahead of the vehicle, even that distance may not be enough. Traumatic injury or fatality can be the tragic end result. This course examines the problem of distracted driving and offers solutions and prevention measures for avoiding accidents due to distracted driving. Recent case studies are also presented along with a discussion of the lessons that can be learned from each.

Driver Safety Orientation (1-hour)

Every year, collisions cause more work-related deaths than any other type of on-the-job accident. The proliferation of electronic devices and their propensity for distraction have only increased this risk. Even crashes without fatalities can have profound effects on workplaces, disrupting productivity and leading to added costs that can impact the company's bottom line. However, not all workplaces are as vulnerable to these types of accidents. A national survey found that organizations that follow a driver safety program and provide driver safety training have the lowest crash rates. This course highlights the steps employees can take to protect themselves when driving, whether the extent of their driving involves commuting to and from work or driving is included as part of their job responsibilities. By following a driver safety policy and complying with federal, state, and local traffic laws, workers can keep themselves and others safe on the roadways.

Expressway and Highway Driving (1-hour)

This course aims to enhance safety for drivers traveling on expressways and freeways by increasing awareness of the risks and instructing drivers on safe practices for vehicle operation. In fulfillment of these objectives, the course covers topics such as highway hypnosis, velocitation, safe passing and merging, navigating interchanges, work zone safety, safe following distance, and pre-trip planning tips.

Impaired Driving (1-hour)

The purpose of this course is to encourage safe driving practices among employees, reduce employers' costs due to incidents caused by impaired driving, and educate drivers on the factors that contribute to impaired driving. Driving is a common task required of many employees nationwide and even a small increase in safe driving practices can reduce the number of accidents and, most importantly, save lives. Due to the widespread nature of the alcohol-impaired driving problem in particular, special attention has been given to this problem.

Intersection Safety (1-hour)

Intersections are one of the most dangerous sections of the roadway. Accidents at intersections account for approximately 40 percent of all reported crashes and one of every five fatal crashes. The Federal Highway Administration (FHWA) lists intersection safety as one of its top priorities, and it recommends driver training as one of the keys to reducing motor vehicle crashes at intersections. This course highlights the principles and practices drivers must consider for safely navigating through various types of intersections and examines the potential risks associated with the operation of vehicles at intersections. The course describes best practices for intersection safety and encourages the adoption of key safety practices to reduce vehicle-related crashes at intersections.

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Passenger Van Safety (1-hour)

There is growing concern regarding the safety of 15-passenger vans and the injuries and fatalities that can result. In fact, between 2000 and 2005, NHTSA has issued 4 safety warnings on these vehicles. Fifteen-passenger vans are more likely to be involved in a single-vehicle rollover crash than any other type of vehicle. Between 1990 and 2002, there were 1,576 fatal crashes involving 15-passenger vans. Compounding this problem, the rate of safety belt use among occupants of 15-passenger vans is very low compared to those in other types of vehicles, increasing the likelihood of severe injury and fatality. This course reviews the issues specific to passenger vans, such as unique vehicle characteristics, loading cargo/passengers to minimize the risk of rollover, backing safely, proper tire care, and strategies to reduce crash risks.

Safe Backing (1-hour)

Most of a driver's time behind the wheel is spent while the vehicle is moving forward. The repetition and accumulation of experience can help make for safer drivers behind the wheel. But unfortunately this does not mean they will be equally good or safe when it comes to backing. Backing is one of the least practiced driving skills and therefore can pose a great risk, even for experienced drivers. Statistics confirm that backing a vehicle is one of the most dangerous driving activities. Despite the relatively little time spent backing compared to driving forward, backing still accounts for between 25-30% of vehicle accidents nationwide. It is not hard to see why learning, reviewing, and practicing safe backing techniques is a key part of reducing vehicle accidents. This course focuses on the various safety precautions and techniques for backing safely in a number of situations. Topics such as safe backing procedures, backing with a trailer, blind spots, adjusting mirrors, and parallel parking are covered.

Seat Belt & Airbag Safety (1-hour)

Over 42,000 people died nationwide in motor vehicle crashes in 2006, according to the NHTSA. In over 50% of these fatal crashes, a significant cause of death was the driver's decision not to wear their seat belts. Observational studies by the NHTSA have found that a startling 18% of vehicle occupants do not wear seat belts. Seat belts, airbags, and other safety devices are quite effective at accomplishing what they have been designed to do: save lives. But the one variable that designers and safety engineers cannot control is human behavior. Ultimately, it comes down to a choice for drivers and passengers to use these available safety technologies, taking the 3 seconds or so it requires to click the seat belt into a locked position and understand how best to take advantage of the other vehicle safety components such as airbags. If more drivers and passengers did this habitually, more lives would be spared the tragedies of injury and death. Over the past decade, 62,000 lives have been saved and over one million injuries prevented by seat belts. In 2006, an estimated 15,383 lives were saved by seat belts alone.

Securing Materials for Transportation (1-hour)

This course covers the dangers of carrying materials, whether inside the vehicle, the trunk, a storage compartment, or a trailer. Drivers are instructed on the basic safety considerations for securing such materials properly so that the danger they pose is reduced. By remembering to check for loose materials, and tying down or securing any that are identified, drivers can reduce the chance of causing serious injury to themselves or others.

Sharing the Road (1-hour)

The number of crashes involving at least one car and one truck averages over 200,000 per year in the US. That number grows even higher when considering crashes involving motorcycles, bicyclists, and pedestrians. The frequency of these incidents makes it clear that drivers need to be made aware of the unique handling and performance abilities and limitations of the different vehicle types. Armed with this knowledge, drivers may then tailor their driving to the conditions present when driving in the vicinity of these other vehicles. There are a different set of factors to consider, for example, when driving near a large truck than when driving near a motorcycle factors such as the different vehicle sizes, their different performance abilities and limitations, and the different stopping distances they require. These are the kinds of factors that the course aims to review.

Vehicle Inspection and Maintenance (1-hour)

Regularly inspecting a vehicle for problems and following a schedule of routine maintenance are critical to ensuring safety and prolonging the life of the vehicle. Unfortunately, however, the majority of vehicles on the road are not properly inspected or maintained. A recent national survey found that at least 80% of vehicles are not adequately maintained and have at least one component needing attention. This not only means that most vehicles on the roadway are not operating under optimally safe conditions, it also suggests that drivers do not recognize the need for following a regular schedule of inspecting and maintaining their vehicles. A vehicle that is not regularly inspected and maintained will gradually degrade in performance, use more gasoline or diesel, and increase the chances that future repairs will be more costly. An inadequately maintained vehicle also produces more pollution, which can reflect negatively on the organization owning the vehicle. This course focuses on drivers' responsibility to inspect their vehicles and maintain them in good working condition. Critical and pertinent topics are covered such as what to inspect, how to document inspections, the cost-saving benefits of properly maintaining a vehicle, how to check tire pressure, and how to identify common vehicle problems before they contribute to costly major mechanical failures.

Vehicle Safety and Security (1-hour)

An unfortunate reality that any driver or fleet manager has to deal with is the security and protection of his or her vehicles. According to the FBI, a vehicle is stolen in the U.S. every 26.4 seconds. In addition to vehicle theft, a surprising amount of other causes of damage and loss of property, as well as injury and fatality to personnel, is sustained every year by vehicle operators and the organizations they represent behind the wheel. Greater attention to security and safety measures of protection should be implemented to effectively curb this trend, contain the losses, and save lives. This course is dedicated to educating drivers and vehicle managers and improving vehicle safety and security. Receiving particular emphasis in this course are the areas of preventing vehicle theft and enhancing the personal safety of vehicle occupants. Regarding vehicle security, topics covered include, among others, how to secure a vehicle safely when parking, what security devices can be installed to enhance protection, and how to follow a comprehensive "layered" approach to vehicle security. Vehicle safety is also featured prominently in this course, and topics such as safety tips for protecting vehicle occupants from injury in a collision and properly using vehicle-equipped safety devices are discussed.



EMERGENCY VEHICLE OPERATOR TRAINING

- Accidents & Emergencies for Emergency Vehicle Operators
- Adjusting to Changing Conditions for Emergency Vehicle Operators
- Dangers of Speeding for Emergency Vehicle Operators
- Defensive Driving Strategies for Emergency Vehicle Operators
- Distracted Driving for Emergency Vehicle Operators
- Distracted Driving for Emergency Vehicle Operators - EMS
- Driver Safety Orientation for Emergency Vehicle Operators
- Emergency Vehicle Characteristics
- Emergency Vehicle Operations
- Emergency Vehicle Operations - EMS
- Impaired Driving for Emergency Vehicle Operators
- Intersection Safety for Emergency Vehicle Operators
- Legal Considerations for Emergency Vehicle Operators
- Safe Backing for Emergency Vehicle Operators
- Seat Belt & Airbag Safety for Emergency Vehicle Operators
- Securing Materials for Transportation for Emergency Vehicle Operators
- Vehicle Inspection and Maintenance for Emergency Vehicle Operators
- Vehicle Safety and Security for Emergency Vehicle Operators



Accidents & Emergencies for Emergency Vehicle Operators (1-hour)

The number of vehicles on our nation's roadways continues to increase every year. As traffic congestion increases, the risk of becoming involved in an accident increases as well. On average in the U.S., a vehicle crash occurs every 5 seconds, a crash-related injury occurs every 12 seconds, and a person is killed in such crashes every 12 minutes. According to the U.S. Fire Administration (USFA), vehicle crashes are the second leading cause of death for on-duty firefighters in the United States, accounting for about 25% of all on-duty firefighter deaths. Emergency vehicle drivers need to be prepared for such situations and understand what to do when they occur. An accident involving a department-owned vehicle can require the employee driver to respond in certain ways that are in keeping with organizational policies. Emergency vehicle operators should always remember that they will be seen as representing their organization in such situations and should do their best to maintain their integrity and character in all their interactions with the public.

Adjusting to Changing Conditions for Emergency Vehicle Operators (1-hour)

Every time they get behind the wheel, emergency personnel, whether driving a department-owned or personal vehicle, face various environmental factors that can have an effect on their ability to drive safely. The hazards involved result not only from the heightened risks imposed directly on the emergency operator but also on the heightened risks facing other drivers on the roadway. In 2005, 848,000 crashes in the U.S. occurred under rain, sleet, or snow conditions, and although there are far fewer vehicles on roadways at nighttime, over half of all vehicle crashes involving fatalities occurred in dim or dark lighting (NHTSA). It is an obvious fact that environmental conditions play a significant role in vehicle crashes. The most unfortunate aspect of such collisions is that oftentimes they are entirely preventable. The main culprit in these crashes is often not the effect of the environment but the drivers who failed to recognize the hazardous conditions and drive appropriately. Environmental conditions that can affect driving include weather, visibility, and road surface quality. All of these require drivers to be able to respond appropriately and adjust their driving to make sure the vehicle handles safely under the conditions present. This course reviews the risks posed by certain environmental conditions and explains the required driver responses to ensure safe vehicle operations in those conditions.

Dangers of Speeding for Emergency Vehicle Operators (1-hour)

This course aims to make emergency vehicle drivers aware of the dangers involved in speeding, promote vehicle operations at safe speeds, and provide strategies for avoiding other speeding vehicles. Topics covered include what risks arise from excessive speed, how speed affects stopping distance, what economic costs stem from speeding, how to avoid becoming involved in a collision with a speeder, what factors to consider in choosing a safe speed for vehicle operation, and what factors influence drivers to speed.

Defensive Driving Strategies for Emergency Vehicle Operators (1-hour)

This course is aimed at preparing emergency vehicle operators for encountering potential hazards on the roadway. It follows a three-fold approach by encouraging drivers to anticipate, recognize, and respond to driving hazards. Within this framework, topics covered include principles of defensive driving, the need for driving defensively, practical instruction on how to drive defensively, instruction on maintaining a safety zone perimeter around the driver's vehicle, and effective braking distance.

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Distracted Driving for Emergency Vehicle Operators (1-hour)

A brief gaze at a vehicle accident, a turn of the neck to look into the backseat, a routine cell phone conversation -- these all have the potential to cause a deadly motor vehicle accident. According to the National Highway Traffic Safety Administration, 6 to 8.3 million drivers crashed in the past five years as a result of being distracted. Distracted driving is receiving increasing attention from both the media and legislators, but there is still a long way to go before drivers are fully aware of the hazards involved. On average, drivers require about 3/4 of a second to react. When a driver's attention is diverted from the roadway ahead of the vehicle, that reaction time can be drastically increased, and traumatic injury or fatality can be the tragic end result. This course examines the problem of distracted driving and offers solutions and prevention measures for avoiding accidents due to distracted driving. Recent case studies are also presented along with a discussion of the lessons that can be learned from each.

Distracted Driving for Emergency Vehicle Operators - EMS (-hour)

A brief gaze at a vehicle accident, a turn of the neck to look into the backseat, a routine cell phone conversation -- these all have the potential to cause a deadly motor vehicle accident. According to the National Highway Traffic Safety Administration, 6 to 8.3 million drivers crashed in the past five years as a result of being distracted. Distracted driving is receiving increasing attention from both the media and legislators, but there is still a long way to go before drivers are fully aware of the hazards involved. On average, drivers require about 3/4 of a second to react. When a driver's attention is diverted from the roadway ahead of the vehicle, that reaction time can be drastically increased, and traumatic injury or fatality can be the tragic end result. This course examines the problem of distracted driving and offers solutions and prevention measures for avoiding accidents due to distracted driving. Recent case studies are also presented along with a discussion of the lessons that can be learned from each.

Driver Safety Orientation for Emergency Vehicle Operators (1-hour)

Roadways are a dangerous place for emergency responders. Since 1979 over 270 firefighters and emergency responders have died in accidents involving motor vehicles - this represents almost 25% of emergency responder deaths overall. Many more are injured annually from emergency vehicle related accidents. Preventing work-related roadway crashes requires strategies that combine traffic safety principles and sound safety management practices. Although fire departments cannot control roadway conditions, they can promote safe driving behavior by providing safety information to firefighters and by setting and enforcing driver safety policies. Crashes are not an unavoidable part of doing business. Operating an emergency vehicle is a responsibility you should take seriously to minimize the risk of injury and death to yourself and others, as well as damage to expensive equipment. This course highlights the steps you can take to protect yourself and your fellow firefighters on the road.

Emergency Vehicle Characteristics (1-hour)

Various kinds of vehicles are used by emergency responders. Each type has unique dimensions and mechanical components. Being familiar with these can help make vehicle operations safer. This course reviews the various vehicle types used in the fire service and EMS industries, highlighting the unique features of these vehicles as well as the distinct handling requirements required for safe operation. An overview of safety enhancements, braking systems, and baffling systems is provided. The culmination of these discussions centers on applying the knowledge gained to reduce crash risks.

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Emergency Vehicle Operations (1-hour)

This course aims to review the fundamentals of emergency vehicle driving. Using contemporary examples and statistics, the need for training on this subject is emphasized. Factors to consider in route planning are also reviewed. Special attention is given as well to proper start-up procedures, fundamentals of safe driving, defensive driving, and positioning safely at the emergency scene.

Emergency Vehicle Operations - EMS (1-hour)

This course aims to review the fundamentals of emergency vehicle driving. Using contemporary examples and statistics, the need for training on this subject is emphasized. Factors to consider in route planning are also reviewed. Special attention is given as well to proper start-up procedures, fundamentals of safe driving, defensive driving, and positioning safely at the emergency scene.

Impaired Driving for Emergency Vehicle Operators (1-hour)

The purpose of this course is to encourage safe driving practices among employees, reduce employers' costs due to incidents caused by impaired driving, and educate drivers on the factors that contribute to impaired driving. Driving is a common task required of many employees nationwide and even a small increase in safe driving practices can reduce the number of accidents and, most importantly, save lives. Due to the widespread nature of the alcohol-impaired driving problem in particular, special attention has been given to this problem.

Intersection Safety for Emergency Vehicle Operators (1-hour)

For emergency vehicle drivers, intersections are one of the most dangerous sections of the roadway. Numerous studies have shown that intersections are the most likely location for an emergency vehicle to be involved in a crash. The Federal Highway Administration (FHWA) lists intersection safety as one of its top priorities, and it recommends driver training as one of the keys to reducing motor vehicle crashes at intersections. This course highlights the principles and practices emergency vehicle operators must consider for safely navigating through various types of intersections and examines the potential risks associated with the operation of vehicles at intersections. The course describes best practices for intersection safety and encourages the adoption of key safety practices to reduce vehicle-related crashes at intersections and is divided into two sections: Lessons 1-10 review basic intersection safety and Lessons 11-13 discuss intersection safety when responding to an emergency.

Legal Considerations for Emergency Vehicle Operators (1-hour)

This course reviews legal aspects of emergency vehicle operation, including appropriate vehicle procedures based upon federal, state, local, and organization regulations. It also reviews the need for compliance with traffic laws and appropriate conditions for exemption. Legal terms and principles discussed include due regard, true emergencies, negligence, and abandonment. Strategies for protection from liability are also covered.

Safe Backing for Emergency Vehicle Operators (1-hour)

Most of a driver's time behind the wheel is spent while the vehicle is moving forward. The repetition and accumulation of experience can help drivers learn safe practices. But unfortunately this does not mean they will be equally good or safe when it comes to backing. Visibility is not as clear when backing, which poses a great risk. Statistics confirm that backing an emergency vehicle is one of the most dangerous driving activities. While they are seldom serious in terms of injury or death, they do account for a significant portion of overall damage costs. It is not hard to see why learning, reviewing, and practicing

safe backing techniques is necessary to reduce emergency vehicle accidents. This course focuses on the various safety precautions and techniques for backing safely in a number of situations. Topics such as safe backing procedures, using a spotter, blind spots, and adjusting mirrors are covered.

Seat Belt & Airbag Safety for Emergency Vehicle Operators (1-hour)

In 2006, it was estimated that 45% of people in the fire service industry did not wear their seat belts when riding in their fire engines. In 2007, it was reported that 50% of firefighters nationwide were still not using their seat belts. In fact, 12 firefighters died in the line of duty in 2007 in crashes in which they weren't wearing their seat belts. Even now, despite all the controversy surrounding the lack of seat belt usage in the fire industry, in some departments, over 90% don't use their seat belts when responding to a fire call. Lack of seat belt use isn't just a problem in the fire industry. Alarming, over 42,000 people died nationwide in motor vehicle crashes in 2006, according to the National Highway Traffic Safety Administration (NHTSA). In over 50% of these fatal crashes, a significant cause of death was the driver's or passenger's decision not to wear their seat belts. The point cannot be stated more clearly: Regular seat belt use is the single most effective way to protect people and reduce fatalities in vehicle collisions.

Securing Materials for Transportation for Emergency Vehicle Operators (1-hour)

This course covers the dangers of carrying materials in a vehicle, whether these are within the passenger compartment, in the trunk, in a storage compartment, or in a trailer. Drivers are instructed on the basic safety considerations for securing such materials properly so that the danger they pose is reduced. By remembering to check for loose materials before getting behind the wheel, and tying down or securing any loose materials that are identified, drivers can reduce the chance of causing serious injury to themselves or others.

Vehicle Inspection and Maintenance for Emergency Vehicle Operators (0.5-hour)

This course focuses on responsibility of emergency vehicle operators to inspect their vehicles and maintain them in good working condition. Critical and pertinent topics are covered such as what to inspect, how to document inspections, the cost-saving benefits of properly maintaining a vehicle, how to check tire pressure, and how to identify common vehicle problems before they contribute to costly major mechanical failures.

Vehicle Safety and Security for Emergency Vehicle Operators (1-hour)

An unfortunate reality that every fire department has to deal with is the security and protection of its vehicles. According to the FBI, a vehicle is stolen in the U.S. every 26.4 seconds. In addition to vehicle theft, a surprising amount of other causes of damage and loss of property, as well as injury and fatality to personnel, is sustained every year by vehicle operators and the organizations they represent behind the wheel. Greater attention to security and safety measures of protection should be implemented to effectively curb this trend, contain the losses, and save lives. This course is dedicated to educating fire personnel and improving vehicle safety and security. Receiving particular emphasis in this course are the areas of preventing vehicle theft and enhancing the personal safety of vehicle occupants. Regarding vehicle security, topics covered include, among others, how to secure a vehicle safely when parking, what security devices can be installed to enhance protection, and how to follow a comprehensive "layered" approach to vehicle security. While theft of fire apparatus is not a huge concern for fire departments (though it does occur), the tips for vehicle security are relevant to all vehicles used by fire personnel, including personal automobiles. Vehicle safety is also featured prominently in this course, and topics such as safety tips for protecting vehicle occupants from injury in a collision and properly using vehicle-equipped safety devices are discussed.

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LARGE VEHICLE DRIVER TRAINING

- Accidents & Emergencies for Large Vehicle Operators
- Adjusting to Changing Conditions for Large Vehicle Operators
- Aggressive Driving for Large Vehicle Drivers
- Bucket/Boom Truck Safety and Operation
- Dangers of Speeding for Large Vehicle Drivers
- Defensive Driving Strategies for Large Vehicle Drivers
- Distracted Driving for Large Vehicle Drivers
- Driver Safety Orientation for Large Vehicle Drivers
- Impaired Driving for Large Vehicle Drivers
- Intersection Safety for Large Vehicle Drivers
- Large Vehicle Characteristics
- Safe Backing for Large Vehicle Drivers
- Seat Belt & Airbag Safety for Large Vehicle Drivers
- Securing Materials for Transportation for Large Vehicle Drivers
- Sharing the Road for Large Vehicle Drivers
- Vehicle Inspection and Maintenance for Large Vehicle Drivers
- Vehicle Safety and Security for Large Vehicle Drivers



Accidents & Emergencies for Large Vehicle Operators (1-hour)

This course provides guidance for employees who drive large vehicles on the job, describing post-accident procedures such as who to call, what information to provide and collect, and what forms to complete. Information is also provided regarding what employee drivers can expect to be carried out by their organization during the accident investigation and which corrective actions could be recommended to prevent similar accidents in the future. Likewise, the course also discusses strategies for responding safely to unexpected vehicle emergencies, such as a mechanical failure. Equipping a vehicle with an accident kit and emergency supplies is also part of the recommended preparation strategies, as well as some tips on preventing the major causes of accidents and emergencies.

Adjusting to Changing Conditions for Large Vehicle Operators (1-hour)

It is an obvious fact that environmental conditions play a significant role in vehicle crashes. The most unfortunate aspect of such collisions is that oftentimes they are entirely preventable. The main culprit in these crashes is often not the effect of the environment but the drivers who failed to recognize the hazardous conditions and drive appropriately. Environmental conditions that can affect driving include weather, visibility, and road surface quality. All of these require drivers to be able to respond appropriately and suit their driving performance to make sure the vehicle handles safely under the conditions present. This course provides an overview for large vehicle operators of how to respond to changing conditions on the road and emergencies that may come up unexpectedly, such as a flat tire or a skid, to ensure safe vehicle operations.

Aggressive Driving for Large Vehicle Drivers (1-hour)

In a recent survey of current commercial motor vehicle (CMV) fleet safety managers, aggression and anger were considered the most dangerous risk factors for drivers. Unfortunately, there is good reason for this grim assessment. Aggressive driving is a serious problem on America's roadways. The National Highway Traffic Safety Administration (NHTSA) estimates that aggressive drivers cause two-thirds of all fatal crashes today. While drivers under 30 are most likely to show aggressive driving behavior at the wheel, aggressive driving is a problem that crosses generational, racial, gender, and geographic lines. Aggressive driving is a problem that threatens pedestrians, passengers, and drivers of all types of vehicles. Aggressive drivers may be unpredictable, take risks, make erratic maneuvers, and have little regard for the welfare of others. Therefore, even drivers who may not consider themselves aggressive should still learn strategies for how to avoid provoking an aggressive driving incident. This course is aimed at reducing the likelihood of large vehicle drivers becoming involved in an aggressive driving incident. It proposes strategies for avoiding both perpetrating and provoking an aggressive driving incident. The course also discusses the topic of speeding as a primary and deadly symptom of aggressive driving. It is hoped that this course will help our roadways become safer and less stressful, which will ultimately minimize injuries, save on property damage repair costs, and, most importantly, save lives.

Bucket/Boom Truck Safety and Operation (0.5-hour)

Operating a boom truck, or bucket truck requires specialized training because of the complexity of these pieces of machinery. Whether you are a professional or a homeowner understanding aerial safety practices and safety procedures is absolutely necessary to minimize and or eliminate accidents, falls and injuries. To ensure the worksite safety of others as well as for yourself, it is vital that you are properly trained to operate this type of equipment and recertify annually to keep current in any changes in equipment or procedures. OSHA (Occupational Safety and Health Administration), ANSI (American National Standards) and FMCSA (Federal Motor Carrier Safety Administration)

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all govern the safe operation of aerial lifts and aerial lift trucks as well as the fall protection needed to operate from an aerial lift safely. This training will cover an overview of bucket trucks, operator training, personal protective equipment, lift and vehicle inspections, worksite preparation and inspection worksite hazards to include mitigation of identified hazards.

Dangers of Speeding for Large Vehicle Drivers (1-hour)

The course covers what factors influence drivers to speed, what risks arise from excessive speed, how speed affects stopping distance, what economic costs stem from speeding, how to avoid becoming involved in a collision with a speeder, and what factors to consider in choosing a safe speed for vehicle operation.

Defensive Driving Strategies for Large Vehicle Drivers (1-hour)

Vehicle crashes are the number one cause of work-related fatalities in the U.S. This course prepares drivers for encountering these potential hazards on the roadway. It follows a three-fold approach by encouraging drivers to anticipate, recognize, and respond to driving hazards. Within this framework, topics covered include the need and practical instruction for driving defensively. Also covered is the new technology available to large vehicles and how to properly use these systems. It is hoped that if drivers apply the information they take away from the course, they will help our roadways become a safer environment for everyone.

Distracted Driving for Large Vehicle Drivers (1-hour)

A brief gaze at a vehicle accident, a turn of the neck to look into the backseat, a routine cell phone conversation -- these all have the potential to cause a deadly motor vehicle accident. According to the National Highway Traffic Safety Administration, 6 to 8.3 million drivers crashed in the past five years as a result of being distracted. Distracted driving is receiving increasing attention from both the media and legislators, but there is still a long way to go before drivers are fully aware of the hazards involved. On average, drivers require about 3/4 of a second to react. When a driver's attention is diverted from the roadway ahead of the vehicle, that reaction time can be drastically increased, and traumatic injury or fatality can be the tragic end result. This course examines the problem of distracted driving and offers solutions and prevention measures for avoiding accidents due to distracted driving. Recent case studies are also presented along with a discussion of the lessons that can be learned from each.

Driver Safety Orientation for Large Vehicle Drivers (1-hour)

Traffic accidents are a leading cause of incidental deaths among U.S. workers. According to the Bureau of Labor and Statistics (BLS) more than 2,000 deaths a year are attributed to occupational motor vehicle accidents. This represents more than 30% of annual work-related fatalities. Unlike other workplaces, the roadway is an environment outside the control of the employer. Preventing work-related roadway crashes requires strategies that combine traffic safety principles and sound safety management practices. Although drivers cannot control roadway conditions, they can practice safe driving behavior by attending periodic driver training and following all motor vehicle safety laws and organizational policies regarding driver safety. Crashes are not an unavoidable part of doing business. This course highlights the steps drivers can take to protect themselves on the job.

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Impaired Driving for Large Vehicle Drivers (1-hour)

The purpose of this course is to encourage safe driving practices among employees, reduce employers' costs due to incidents caused by impaired driving, and educate drivers on the factors that contribute to impaired driving. Driving is a common task required of many employees nationwide and even a small increase in safe driving practices can reduce the number of accidents and, most importantly, save lives. Due to the widespread nature of the alcohol-impaired driving problem in particular, special attention has been given to this problem.

Intersection Safety for Large Vehicle Drivers (1-hour)

Intersections are one of the most dangerous sections of the roadway. Accidents at intersections account for approximately 40 percent of all reported crashes and one of every five fatal crashes. The Federal Highway Administration (FHWA) lists intersection safety as one of its top priorities, and it recommends driver training as one of the keys to reducing crashes at intersections. This course highlights the principles and practices drivers must consider for safely navigating through various types of intersections and examines the potential risks associated with the operation of trucks and other large vehicles at intersections. The course describes best practices for intersection safety and encourages the adoption of key safety practices to reduce crashes at intersections.

Large Vehicle Characteristics (1-hour)

Large vehicles have unique dimensions and mechanical components. Being familiar with these can help make drivers safer on the roadways. This course reviews various types of large vehicles, highlighting the unique features of these vehicles as well as the distinct handling requirements required for safe operation. An overview of unique large vehicle features such as sleeper berths, semi-trailer effects on handling, tanker surge, weight and size regulations, safety enhancements, and braking systems is provided. The culmination of these discussions centers on applying the knowledge gained to reduce crash risks.

Safe Backing for Large Vehicle Drivers (1-hour)

Most of a driver's time behind the wheel is spent while the vehicle is moving forward. The repetition and accumulation of experience can help make drivers safe. But unfortunately this does not mean they will be equally good or safe when it comes to backing. Backing is one of the most difficult driving skills to master and therefore can pose a great risk. Statistics confirm that backing a truck is one of the most dangerous driving activities. Despite the relatively little time spent backing compared to driving forward, backing still accounts for between 25-30% of vehicle accidents nationwide. It is not hard to see why learning, reviewing, and practicing safe backing techniques is a key part of reducing truck accidents. This course focuses on the various safety precautions and techniques for backing safely in a number of situations. Topics such as safe backing procedures, backing with a trailer, blind spots, adjusting mirrors, and parallel parking are covered.

Seat Belt & Airbag Safety for Large Vehicle Drivers (1-hour)

Over 5,099 people driving large trucks and busses died in crashes in 2007, according to the the Federal Motor Carrier Safety Administration (FMCSA). 95% of these fatal crashes, involved large trucks. A major cause of truck and bus driver fatalities is being ejected from the vehicle. And while the FMCSA concludes that 65% of operators of large trucks and buses use seat belts while on the road, this means

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that 35% of these drivers still don't. Additionally, only 57% of commercial motor vehicle operators (CVM) use seat belts, as reported in 2007. The point cannot be stated more clearly: Regular seat belt use is the single most effective way to protect people and reduce fatalities in vehicle collisions.

Securing Materials for Transportation for Large Vehicle Drivers (1-hour)

Debris scattered on a congested highway, heavy boxes shifting back and forth as the vehicle moves, a wrench lying on the passenger seat--driving with materials that are not properly secured can endanger drivers, their passengers, and others. According to the AAA Traffic Safety Foundation, over 25,000 accidents per year result from litter dumped by motorists or that falls out of vehicles throughout North America (2004). A sudden sharp stop, a tight turn, or a collision can turn materials into deadly projectiles, and cargo on a trailer or truck bed can be sent hurtling across the roadway. These scenarios can be prevented. With a little attention to safety, drivers can reduce the chance of injury, fatality, and property damage or loss. This course covers the dangers of carrying materials for large vehicle operators, whether these are within the vehicle, in a storage compartment, or in a trailer. Drivers are instructed on the basic safety considerations for securing such materials properly so that the danger they pose is reduced. By remembering to check for loose materials before getting behind the wheel, and tying down or securing any loose materials that are identified, drivers can reduce the chance of causing serious to themselves or others.

Sharing the Road for Large Vehicle Drivers (1-hour)

A 2006 study found that drivers of large trucks and other vehicles involved in truck crashes are 10 times more likely to be the cause of the crash than other factors, such as weather, road conditions, and vehicle performance. The number of crashes involving trucks and cars averages over 200,000 per year in the U.S. That number grows even higher when considering truck and bus crashes involving motorcycles, bicyclists, and pedestrians. The frequency of these incidents makes it clear that drivers need to be more cautious when driving in the vicinity of different vehicle types. There are a different set of factors to consider, for example, when driving near a car than when driving near a motorcycle--factors such as different vehicle sizes, their different performance abilities and limitations, and the different stopping distances they require. These are the kinds of factors that the course aims to review.

Vehicle Inspection and Maintenance for Large Vehicle Drivers (0.5-hour)

Regularly inspecting a vehicle for problems and following a schedule of routine maintenance are critical to ensuring safety and prolonging the life of the vehicle. Unfortunately, however, the majority of vehicles on the road are not properly inspected or maintained. A recent national survey found that at least 80% of vehicles are not adequately maintained and have at least one component needing attention. This not only means that most vehicles on the roadway are not operating under optimally safe conditions, it also suggests that drivers do not recognize the need for following a regular schedule of inspecting and maintaining their vehicles. A vehicle that is not regularly inspected and maintained will gradually degrade in performance, use more gasoline or diesel, and increase the chances that future repairs will be more costly. An inadequately maintained vehicle also produces more pollution, which can reflect negatively on the organization owning the vehicle. This course focuses on drivers' responsibility to inspect their vehicles and maintain them in good working condition. Critical and pertinent topics are covered such as what to inspect, how to document inspections, the cost-saving benefits of properly maintaining a vehicle, how to check tire pressure, and how to identify common vehicle problems before they contribute to costly major mechanical failures.

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Vehicle Safety and Security for Large Vehicle Drivers (1-hour)

An unfortunate reality that any driver or fleet manager has to deal with is the security and protection of his or her vehicles. According to the FBI, a vehicle is stolen in the U.S. every 26.4 seconds. In addition to vehicle theft, a surprising amount of other causes of damage and loss of property, as well as injury and fatality to personnel, is sustained every year by vehicle operators and the organizations they represent behind the wheel. Greater attention to security and safety measures of protection should be implemented to effectively curb this trend, contain the losses, and save lives. This course is dedicated to educating drivers and vehicle managers and improving vehicle safety and security. Receiving particular emphasis in this course are the areas of preventing vehicle theft and enhancing the personal safety of vehicle occupants. Regarding vehicle security, topics covered include, among others, how to secure a vehicle safely when parking, what security devices can be installed to enhance protection, and how to follow a comprehensive “layered” approach to vehicle security. Vehicle safety is also featured prominently in this course, and topics such as safety tips for protecting vehicle occupants from injury in a collision and properly using vehicle-equipped safety devices are discussed.

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SUPERVISOR TRAINING

- Incident Investigation for Supervisors
- Personnel Selection for Supervisors
- Safety Overview for Supervisors



Incident Investigation for Supervisors (1-hour)

This course highlights reporting requirements, the importance of conducting a thorough incident investigation, things to consider when determining the root cause of an incident, and examples of corrective actions that can help prevent accidents in the future.

Personnel Selection for Supervisors (1-hour)

Minimizing organizational risk by ensuring that only safe, qualified drivers operate motor vehicles on the job is one of the key components of a motor vehicle safety program. This course is designed for supervisors who assign and train drivers and will examine the reasons why driver safety is of critical importance. The course highlights the qualities shared by good drivers, how driver qualifications can be established, the importance of policy documents such as driver agreements and seat belt policy documents, how and why motor vehicle records checks are performed, and the importance of driver training.

Safety Overview for Supervisors (1-hour)

Traffic accidents are a leading cause of incidental deaths among U.S. workers. According to the Bureau of Labor and Statistics (BLS) more than 2,000 deaths a year are attributed to occupational motor vehicle accidents. This represents more than 30% of annual work-related fatalities. Unlike other workplaces, the roadway is an environment outside the control of the employer. Preventing work-related roadway crashes requires strategies that combine traffic safety principles and sound safety management practices. Although employers cannot control roadway conditions, they can promote safe driving behavior by providing safety information to workers and by setting and enforcing driver safety policies. Crashes are not an unavoidable part of doing business. This course highlights the steps employers can take steps to protect their employees and their companies.

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