

Florida Department of Education  
Curriculum Framework

**Program Title:** Commercial Class “B” Driving  
**Program Type:** Career Preparatory  
**Career Cluster:** Transportation, Distribution and Logistics

**PSAV – Career Preparatory**

Program Number	I490251
CIP Number	0649020502
Grade Level	30, 31
Standard Length	150 hours
Teacher Certification	COMM DRIV @7 7G
CTSO	SkillsUSA
SOC Codes (all applicable)	53-3033 – Light Truck or Delivery Service Drivers
CTE Program Resources	<a href="http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml">http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml</a>
Basic Skills Level	N/A

**Purpose**

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster.

The content includes but is not limited to the following: operation of Class B vehicles; loading and unloading cargo; reporting delays or accidents on the road; verifying load against shipping papers; and keeping records. The course content should also include instruction in human relations, leadership, communication, and employability skills, and safe, efficient work practices.

**Additional Information** relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

**Program Structure**

This program is a planned sequence of instruction consisting of one occupational completion point.

This program is comprised of courses which have been assigned course numbers in the SCNS (Statewide Course Numbering System) in accordance with Section 1007.24 (1), F.S. Career and Technical credit shall be awarded to the student on a transcript in accordance with Section 1001.44(3)(b), F.S.

The following table illustrates the post-secondary program structure:

A	TRA0084	Truck Driver Heavy Florida Class "B"	150 hours	53-3033
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## **Common Career Technical Core – Career Ready Practices**

Career Ready Practices describe the career-ready skills that educators should seek to develop in their students. These practices are not exclusive to a Career Pathway, program of study, discipline or level of education. Career Ready Practices should be taught and reinforced in all career exploration and preparation programs with increasingly higher levels of complexity and expectation as a student advances through a program of study.

1. Act as a responsible and contributing citizen and employee.
2. Apply appropriate academic and technical skills.
3. Attend to personal health and financial well-being.
4. Communicate clearly, effectively and with reason.
5. Consider the environmental, social and economic impacts of decisions.
6. Demonstrate creativity and innovation.
7. Employ valid and reliable research strategies.
8. Utilize critical thinking to make sense of problems and persevere in solving them.
9. Model integrity, ethical leadership and effective management.
10. Plan education and career path aligned to personal goals.
11. Use technology to enhance productivity.
12. Work productively in teams while using cultural/global competence.

## **Standards**

After successfully completing this program, the student will be able to perform the following:

- 01.0 Describe vehicle safety and accident prevention procedures.
- 02.0 Comply with vehicle operating regulations.
- 03.0 Demonstrate proper cargo handling and documentation procedures.
- 04.0 Demonstrate pre-trip preparation procedures.
- 05.0 Demonstrate vehicle inspection procedures.
- 06.0 Perform vehicle maintenance and servicing procedures.
- 07.0 Demonstrate basic vehicle control procedures.
- 08.0 Demonstrate backing.
- 09.0 Demonstrate basic vehicle maneuvers.
- 10.0 Demonstrate road driving skills.
- 11.0 Describe hazardous driving skills.
- 12.0 Apply concepts learned for obtaining a Florida commercial driver's license (CDL).
- 13.0

Florida Department of Education  
Student Performance Standards

Program Title: Commercial Class “B” Driving  
PSAV Number: I490251

Course Number: TRA0084  
Occupational Completion Point: A  
Truck Driver Heavy Florida Class “B” – 150 Hours – SOC Code 53-3033

Course Description:

The Truck Driver Heavy Florida Class "B" course prepares students for entry into the trucking and logistics industry. Students explore career opportunities and requirements of a professional class "B" truck driver. Students study vehicle safety, accident prevention, operating regulations, cargo handling, documentation procedures, pre-trip preparation, vehicle inspection, maintenance, service, control procedures, backing, maneuvering, road and hazardous driving skills, and licensing requirements.

01.0 Describe vehicle safety and accident prevention procedures--The student will be able to:	
01.01	Understand, identify and explain the use of vehicle safety equipment.
01.02	Explain the use of fire extinguishers.
01.03	Utilize seat belts and personal protection gear appropriate to type of operation.
01.04	Describe safe lifting procedures.
01.05	Understand accident reporting requirements (company, state, federal).
01.06	Identify all information needed for accident reports to the State, the employer and the insurance company.
01.07	Complete an accident report.
01.08	Describe procedures for protecting the scene of an accident.
01.09	Identify types of hazardous cargoes.
01.10	Describe liability requirements.
01.11	Identify hazardous road conditions that are a potential threat to the safety of the truck driver.
01.12	Describe activities and characteristics of other road users that make them potentially dangerous.
01.13	Describe the potential consequences of excessive speed.
01.14	Describe the potential consequences of use of drugs or alcohol.
01.15	Describe and demonstrate safety procedures for entering and exiting vehicles.
02.0 Understand and comply with vehicle operating regulations--The student will be able to:	
02.01	Understand and comply with Hours of Service regulations.
02.02	Maintain a complete, neat and accurate driver's duty status log including discussion of electronic logs.
02.03	Keep accurate records required by hours of service regulations.
02.04	Perform mathematical calculations necessary to recap and apply totals to the hours of service regulations.
02.05	Determine driving hours remaining on a particular day or tour of duty.

02.06	Fully understand and comply with applicable United States Department of Transportation regulations including Federal Motor Carrier Safety Administration rules and regulations - Compliance, Safety, and Accountability (CSA) particularly the role of drivers and motor carriers.
02.07	Understand and comply with Florida Department of Transportation regulations.
02.08	Understand and comply with state and local traffic laws including restrictions on vehicle size and weight including permits when required.
03.0	Demonstrate proper cargo handling and documentation procedures--The student will be able to:
03.01	Understand legal gross weight and axle weight.
03.02	Describe the placement of placards when carrying hazardous materials.
03.03	Describe procedure for use of common cargo handling equipment, including pallets, jacks, dollies, handtrucks, nets, slings, poles and other equipment.
03.04	Identify categories of hazardous materials and the need for specialized training to handle hazardous materials.
03.05	Identify hazardous materials documentation requirements.
03.06	Verify nature, amount and condition of cargo on both pickup and delivery.
03.07	Verify information on bill of lading and properly record and report discrepancies and damage to the cargo.
03.08	Describe appropriate signatures on delivery receipts and other required forms.
03.09	Prepare a bill of lading.
03.10	Verify door seal number against shipping document.
03.11	Comply with inspection station procedures.
04.0	Demonstrate pre-trip preparation procedures--The student will be able to:
04.01	Check accident report packets for proper contents.
04.02	Plan a route from one point to another that is optimal in terms of travel time, fuel costs, potential hazards and federal, state and local travel restrictions.
04.03	Describe the use of manual and contemporary GPG navigation systems.
04.04	Arrange a secure place for vehicle on layovers, especially when transporting hazardous materials.
04.05	Demonstrate map reading skills.
04.06	Estimate travel time and plan rest stops and layovers.
04.07	Estimate fuel consumption and plan fuel stops.
05.0	Demonstrate vehicle inspection procedures--The student will be able to:
05.01	Check vehicle for registration and permits.
05.02	Check general appearance and condition of vehicle.
05.03	Check fuel, oil, water levels and automatic transmission fluid level, coolant, battery, and filters.
05.04	Check signal lights, stoplights and running lights.
05.05	Check tires, rims and suspension.
05.06	Check horn, windshield wipers, mirrors and reflectors.
05.07	Check emergency bi-directional reflective triangles and fire extinguishers.
05.08	Check instruments for normal readings.
05.09	Check steering system, brake action and tractor protection valve.
05.10	Check cargo blocking, bracing and tie down.
05.11	Perform enroute inspections of mirrors, engine and power train, suspension system, tires and brakes.

	05.12 Perform post-trip inspection of vehicle and all systems.
06.0	Perform vehicle maintenance and servicing procedures--The student will be able to:
	06.01 Describe function and operation of principle vehicle systems including, engine, engine auxiliary brake, drive train, coupling, suspension and electrical system.
	06.02 Check engine fuel, oil, coolant, battery and filters.
	06.03 Check tire air pressure.
	06.04 Check for proper tire and wheel mounting.
	06.05 Drain moisture from air brake supply reservoirs.
	06.06 Check brakes.
	06.07 Clean and repair lights.
	06.08 Check fuses and reset circuit breakers.
	06.09 Clean interior and exterior of vehicle.
	06.10 Check mud/rain flaps.
07.0	Demonstrate basic vehicle control procedures--The student will be able to:
	07.01 Place transmission in neutral before starting engine.
	07.02 Start, warm up and shut down the engine, according to the manufacturer's specifications.
	07.03 Build full pressure (120-140 PSI) in air tanks before releasing brakes.
	07.04 Test parking brake and service brake before moving/driving vehicle.
	07.05 Coordinate use of accelerator and clutch to achieve smooth acceleration and avoid clutch abuse.
	07.06 Maintain proper engine RPM while driving.
	07.07 Properly modulate air brakes to bring vehicle to a smooth stop.
	07.08 Shift up and down through all gears.
	07.09 Double clutch non-synchronized transmissions and time shift for smooth and fuel efficient performance.
	07.10 Select proper gear for speed and highway conditions.
	07.11 Operate automatic and semiautomatic transmissions.
	07.12 Coordinate steering, braking and acceleration to take the vehicle through a desired path forward and backward in a straight line.
	07.13 Use clutch and gears to maintain proper operating range/power/RPM of the motor while slowing the vehicle.
	07.14 Park the vehicle, set brakes and shut off the engine.
	07.15 Properly chock/block wheels where and when required.
08.0	Demonstrate backing skills--The student will be able to:
	08.01 Check area before backing.
	08.02 Properly utilize guides and mirrors.
	08.03 Properly back in straight line and curved paths.
	08.04 Properly back into an alley dock.
	08.05 Properly Parallel Park.
	08.06 Judge side, rear and overhead clearances.
09.0	Demonstrate basic vehicle maneuvers--The student will be able to:
	09.01 Make a straight-in approach to an alley.
	09.02 Drive forward through an alley for 100 feet.
	09.03 Properly stop the unit within 12 inches of the end of the alley.

09.04	Back 100 feet through an alley.
09.05	Make proper straight in approach to multiple curves (serpentine).
09.06	Drive forward through curves (serpentine) while keeping tires inside of line.
09.07	Properly position unit for backing into a loading dock.
09.08	Properly back to a dock - Actual or Simulated.
09.09	Properly stop unit within 12 inches of the dock without contacting dock - Actual or Simulated.
09.10	Describe the proper procedures for navigating a weigh station.
10.0	Demonstrate road driving skills--The student will be able to:
10.01	Carefully enter traffic from parked position.
10.02	Use clutch and gears properly.
10.03	Proceed from a stopped position without rolling backward.
10.04	Use mirrors properly.
10.05	Signal intention to turn well in advance.
10.06	Get into proper lane well in advance of turn.
10.07	Check traffic conditions and turn only when intersection is clear.
10.08	Restrict traffic from passing on right when preparing to complete a right hand turn.
10.09	Execute a right hand turn maintaining 3 feet or less on right side of vehicle.
10.10	Complete a turn promptly and safely and not impede other traffic.
10.11	Select and shift to proper gear prior to beginning any turn.
10.12	Obey all traffic signals.
10.13	Plan stop in advance and adjust speed correctly.
10.14	Use brakes properly on grades.
10.15	Plan stops far enough in advance to avoid hard braking.
10.16	Stop clear of crosswalks.
10.17	Come to a complete stop at all stop signs.
10.18	Yield right of way at intersections having yield signs.
10.19	Check for cross traffic regardless of traffic signals.
10.20	Enter all intersections prepared to stop if necessary.
10.21	Stop a minimum of 15 feet but not more than 50 feet before railroad grade crossing if stop is necessary.
10.22	Select proper gear to avoid shifting gears on railroad grade crossing.
10.23	Determine sufficient space required for passing.
10.24	Pass only in safe locations.
10.25	Pass on two-lane highway, only when safe to do so.
10.26	Pass on four or more lane highway.
10.27	Signal lane changes before and after passing.
10.28	Pass only when appropriate to avoid impeding other traffic.
10.29	Return to right lane promptly, but only when safe to do so.
10.30	Observe speed limits.
10.31	Adjust speed properly to road, weather and traffic conditions.
10.32	Slow down in advance of curves, danger zones and intersections.



10.33	Maintain consistent speed where possible.
10.34	Yield right of way.
10.35	Allow faster traffic to pass.
10.36	Use horn only when necessary.
10.37	Park only in legally permissible parking areas.
10.38	Check instruments at regular intervals.
10.39	Maintain proper engine RPM while driving.
10.40	Determine minimum front-to-rear distances when following other vehicles using industry recognized standards.
11.0	Demonstrate hazardous driving skills--The student will be able to:
11.01	Describe preparation for operation in cold weather, including removing snow and ice from windows, mirrors, brakes, lights, hand and toe holds, etc; when necessary.
11.02	Demonstrate proper procedure for expelling moisture from the air tanks after each trip.
11.03	Describe proper procedure for checking ice accumulation on brakes, slack adjuster, air hoses, electrical wiring during operation.
11.04	Describe operational adjustments necessary to maintain control in all weather conditions, including speed selection, braking and following distance.
11.05	Describe procedures to check safe operation of brakes after driving through deep water.
11.06	Perform proper use of windshield wipers, washers and defrosters to maintain visibility.
11.07	Observe and evaluate changing road surface conditions.
11.08	Demonstrate or describe ability for recognizing conditions that produce low traction, including initial rainfall, ice, snow and mud.
11.09	Describe procedures to avoid skidding.
11.10	Describe procedures to avoid hydroplaning and describe the road and vehicle conditions that produce it.
11.11	Describe procedures for extricating the vehicle from snow, sand and mud by maneuvering or towing.
11.12	Demonstrate ability to adjust rate of change in speed and direction to accommodate road conditions to avoid skidding.
11.13	Describe procedures required to coordinate acceleration and shifting to overcome the resistance of snow, sand and mud.
11.14	Demonstrate ability to perform checks on brake adjustment prior to mountain driving.
11.15	Describe procedures required to use right lane or special truck lane going up grades.
11.16	Describe procedures required to place transmission in appropriate gear for engine braking before starting downgrade.
11.17	Describe procedures required to use proper braking techniques and maintain proper engine braking before starting downgrades.
11.18	Describe proper use of truck escape ramp when brakes fail on a downgrade.
11.19	Describe procedure required for observing temperature gauge frequently when pulling heavy loads up long grades.
11.20	Describe the effect of vehicle weight and speed upon braking and shifting ability on long downgrades.
11.21	Identify the meaning and use of percent of grade signs.
11.22	Demonstrate bringing the truck to a stop in the shortest possible distance while maintaining directional control on a dry surface.
11.23	Describe procedures to make an evasive turn off the roadway and return to the roadway while maintaining directional control.
11.24	Describe procedures to bring the vehicle to a stop in the event of a brake failure.
11.25	Describe procedures to maintain control of the vehicle in the event of a blowout.
11.26	Describe procedures to bring truck to a stop in the shortest possible distance while maintaining directional control when operating on a slippery surface.
11.27	Describe procedures to recover from vehicle skids induced by snow, ice, water, oil, sand, wet leaves or other slippery surfaces.
11.28	Describe procedures to countersteer out of a skid in a way that will regain directional control and not produce another skid.

11.29 Describe procedure to operate brakes properly to provide maximum braking without loss of control.

12.0 Apply concepts learned for obtaining a Florida commercial driver's license (CDL)--The student will be able to:

12.01 Demonstrate competence in performing basic commercial vehicle driving skills utilizing the Florida CDL testing criteria.

12.02 Demonstrate understanding and knowledge of Florida Commercial Vehicle Driving Laws as required, to safely and legally operate a commercial vehicle.

## **Additional Information**

### **Laboratory Activities**

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

### **Special Notes**

The purpose of this program is to prepare students for a Florida Class B License Truck Driver Heavy.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Commercial Vehicle Driving industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

Students entering this program must exhibit a safe driving record, be at least 19 years of age and comply with State and Federal licensing requirements. Instruction will include 200 miles of road driving under the supervision of a qualified commercial vehicle driver prior to completion of the program. Road driving activities will include experience on two-lane, four-lane, interstate, and city streets and highways. Twenty percent or more of the experience will occur at night on both wet and dry roads.

### **Career and Technical Student Organization (CTSO)**

SkillsUSA is the intercurricular career and technical student organization(s) providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. The activities of such organizations are defined as part of the curriculum in accordance with Rule 6A-6.065, F.A.C.

### **Cooperative Training – OJT**

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements specified in the OJT framework apply.

### **Accommodations**

Federal and state legislation requires the provision of accommodations for students with disabilities to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor and/or instructors. Accommodations received in postsecondary education may differ from those received in secondary education. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

Note: postsecondary curriculum and regulated secondary programs cannot be modified.

**Additional Resources**

For additional information regarding articulation agreements, Bright Futures Scholarships, Fine Arts/Practical Arts Credit and Equivalent Mathematics and Equally Rigorous Science Courses please refer to:

<http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml>