

## Courses with their CSLOs

Course ID	CSLO Name	CSLO
AUTOV10	CSLO-1	Identify automotive parts and vehicles.
	CSLO-2	Demonstrate basic understanding of major automotive systems
	ISLO-3	Critical Thinking and Problem Solving
AUTOV11	CSLO-1	Identify automotive specifications, parts, and vehicles
	CSLO-2	Demonstrate understanding of basic service procedures
	CSLO-3	Perform basic service procedures on lab vehicles
	ISLO-3	Critical Thinking and Problem Solving
AUTOV12	CSLO-1	Describe the employment opportunities available in the automotive industry
	CSLO-2	Identify the types of training available to and required of an automotive technician.
	CSLO-3	Develop interview skills and a professional portfolio.
AUTOV26	ISLO-5	Personal/Community Awareness and Academic/Career Responsibilities
	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Brake systems (ASE A5).
	CSLO-2	Correctly describe techniques and procedures required to inspect, diagnose, and repair automotive braking systems.
	CSLO-3	Demonstrate comprehension of automotive brake system theory and operation.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV26L	CSLO-1	Correctly perform diagnosis and repair of disc and drum brake systems.
	CSLO-2	Demonstrate competency in using techniques and procedures required to inspect, diagnose, and repair hydraulic brake components.
	CSLO-3	Practice safety in the repair and service procedures associated with automotive braking system diagnosis and repair.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV27 (formerly AUTOV14)	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Automotive Electronics and & Electricity (ASE A6)
	CSLO-2	Demonstrate understanding of electrical theory and operation
	CSLO-3	Correctly interpret wiring schematics
	ISLO-3	Critical Thinking and Problem Solving
AUTOV27L (formerly AUTOV14LB)	CSLO-1	Correctly perform battery, starting, and charging system diagnosis and repair.
	CSLO-2	Demonstrate competency in the use of electrical measurement tools.
	CSLO-3	Utilize service literature and wiring schematics to correctly identify and diagnose electrical failures.
	CSLO-4	Practice safety in the repair and service procedures associated with automotive electrical system diagnosis and repair.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV28	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Steering and Suspension systems (ASE A4).

Course ID	CSLO Name	CSLO
	CSLO-2	Correctly describe techniques and procedures required to inspect, diagnose, and repair automotive steering and suspension systems.
	CSLO-3	Demonstrate comprehension of automotive steering and suspension system theory and operation.
AUTOV28L	ISLO-3	Critical thinking & problem solving
	CSLO-1	Correctly perform diagnosis and repair of automotive steering systems.
	CSLO-2	Correctly perform diagnosis and repair of automotive suspension systems.
	CSLO-3	Practice safety in the repair and service procedures associated with automotive steering and suspension diagnosis and repair.
AUTOV30 (formerly AUTOV22)	ISLO-3	Critical thinking & problem solving
	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Automotive Transmission and Transaxles (ASE A2).
	CSLO-2	Correctly describe procedures required to disassemble, inspect, repair, and reassemble an Automatic and Transmission.
	CSLO-3	Demonstrate comprehension of Automotive Drivetrain systems theory and operation.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV30L (formerly AUTOV22LA)	CSLO-1	Disassemble, inspect, and repair an automatic transmission using the correct techniques and procedures currently used in the industry.
	CSLO-2	Reassemble an automatic transmission using current industry techniques and procedures.
AUTOV32A	CSLO-3	Practice safety in the repair and service procedures associated with automotive drivetrain system diagnosis and repair.
	ISLO-3	Critical Thinking and Problem Solving
	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Engines (ASE A1) and Engine Performance (A8).
AUTOV32B	ISLO-3	Critical Thinking and Problem Solving
	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Automatic Transmissions (ASE A2) and Manual Transmissions (ASE A3).
AUTOV32C	ISLO-3	Critical Thinking and Problem Solving
	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Brakes (ASE A5) and Steering & Suspensions (ASE A4).
AUTOV32E	ISLO-3	Critical Thinking and Problem Solving
	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Electrical (ASE A6) and Heating & Air Conditioning (A7).
AUTOV33	ISLO-3	Critical Thinking and Problem Solving
	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Automotive Manual Transmissions (ASE A3).
	CSLO-2	Correctly describe procedures required to disassemble, inspect, repair, and reassemble a manual transmission.
	CSLO-3	Correctly describe procedures required to disassemble, inspect, repair, and reassemble a rear differential.
AUTOV33L	CSLO-4	Demonstrate comprehension of automotive drivetrain systems theory and operation.
	ISLO-3	Critical Thinking and Problem Solving
	CSLO-1	Disassemble, inspect, repair, and reassemble a manual transmission using the correct techniques and procedures currently used in the industry.

Course ID	CSLO Name	CSLO
	CSLO-2	Disassemble, inspect, repair, and reassemble a rear differential using the correct techniques and procedures currently used in the industry.
	CSLO-3	Practice safety in the repair and service procedures associated with automotive drivetrain system diagnosis and repair.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV34 (formerly AUTOV20)	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Engine Repair (ASE A1)
	CSLO-2	Demonstrate knowledge of procedures required to disassemble, inspect, repair, and reassemble an engine block and a cylinder head
	CSLO-3	Demonstrate comprehension of automotive gasoline engine theory and operation
	ISLO-3	Critical thinking & problem solving
AUTOV34L (formerly AUTOV20LA)	CSLO-1	Disassemble and reassemble an engine using the correct techniques and procedures currently used in the industry.
	CSLO-2	Inspect a cylinder block and cylinder head using current standards and procedures.
	CSLO-3	Practice safety in the repair and service procedures associated with automotive engine (mechanical) system diagnosis and repair.
	ISLO-3	Critical thinking & problem solving
AUTOV38 (formerly AUTOV18)	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Heating and Air Conditioning (ASE A7).
	CSLO-2	Demonstrate comprehension of Heating, Ventilation, and Air Conditioning theory and operation
	CSLO-3	Take and pass the required EPA Refrigerant, Recovery, and Handling License test
	ISLO-3	Critical thinking & problem solving
AUTOV38L (formerly AUTOV18L)	CSLO-1	Demonstrate competency in using refrigerant identifying, recovery, and handling equipment.
	CSLO-2	Correctly perform inspection, diagnosis, and repair procedures to heating and air-conditioning systems.
	CSLO-3	Practice safety in the repair and service procedures associated with automotive heating, ventilation, and air-conditioning system diagnosis and repair.
	ISLO-3	Critical thinking & problem solving
AUTOV42	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Automotive Engine Performance (ASE A8).
	CSLO-2	Demonstrate comprehension of engine performance theory and operation.
	CSLO-3	Perform, to industry standards, diagnosis and repair of automotive engine performance systems.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV43	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Advanced Engine Performance (ASE L1).
	CSLO-2	Demonstrate comprehension of current diagnostic tools and procedures used to aid in the diagnosis of advanced engine electronics systems.
	CSLO-3	Demonstrate comprehension of advanced level automotive electronics theory and operation.

Course ID	CSLO Name	CSLO
	ISLO-3	Critical Thinking and Problem Solving
AUTOV43L	CSLO-1	Demonstrate competency in using a digital storage oscilloscope to interpret electrical activity of all automotive systems.
	CSLO-2	Analyze the operation of modern solid state circuitry using advanced level diagnostic equipment.
	CSLO-3	Practice safety in the repair and service procedures associated with automotive electrical diagnosis and repair.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV46	CSLO-1	Define inputs and outputs to the engine control module using the Bureau of Automotive Repair generic vehicle wiring diagram.
	CSLO-2	Demonstrate comprehension of engine performance systems.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV47	CSLO-1	Demonstrate preparedness to take and pass industry standardized testing for Advanced Engine Performance (ASE L1).
	CSLO-2	Demonstrate comprehension of advanced level engine control management theory and operation.
	CSLO-3	Demonstrate competency in using manufacturer and global/enhanced OBD2 scan tools, correctly retrieving required information, interpreting test results and data, and utilizing output controls/coding.
	CSLO-4	Practice safety in the repair and service procedures associated with automotive engine management system diagnosis and repair.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV48	CSLO-1	Demonstrate preparedness to take and pass the California State Smog Inspector's License test.
	CSLO-2	Correctly perform a smog inspection using current BAR approved equipment and procedures.
	CSLO-3	Practice safety in the repair and service procedures associated with automotive emissions systems diagnosis and repair.
	ISLO-3	Critical Thinking and Problem Solving
AUTOV49	CSLO-1	Demonstrate competency in state-approved automotive technologies in order to pass a state-approved examination.
	ISLO-3	Critical Thinking and Problem Solving