



OSHA 2045 Machine Guarding

July 15, 2016

Certifying Organization	Occupational Safety and Health Administration (OSHA); www.osha.gov											
Description of Credential	The OSHA 2045 Machine Guarding Credential provides in-depth training on: a) common machine hazards and sources of energy b) identification of resources for assisting with machine guarding issues c) determination of methods of control and hazard abatement d) selection of appropriate machine safe guards.											
Part of which Graduation Pathways ¹	<u>Integrated</u> : Agriculture Tech <u>Regional</u> : Mason, Commercial Driver											
Associated with Which Careers?	<p><u>5 Star</u>: First Line Supervisors of Construction Trades and Extraction Workers; Heating, Air Conditioning & Refrigeration Mechanic & Installer</p> <p><u>4 Star</u>: Derrick Operators; Rotary Drill Operator; Bus & Truck Mechanic; Farm Equipment Mechanic and Service Technician; Brickmasons and Blockmasons, Cement Masons and Concrete Finishers</p> <p><u>3 Star</u>: Agriculture Inspector; Engine & Other Machine Assembler; Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters</p> <p><u>2 Star</u>: Construction Laborer; Farmworker; AgriScience Teacher; Outdoor Power Equipment Mechanic; Nursery, and Greenhouse Laborer</p>											
Entry-Level Annual Salaries	\$18,500 - \$38,370											
Industry-Based Certification Requirements: Students												
Standard / Curriculum	<p>The 26 required hour course provides information on the following topics:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">a) machinery processes</td> <td style="width: 50%;">b) mechanical motions</td> </tr> <tr> <td>c) control of hazardous energy sources (lockout/tag out)</td> <td>d) guarding of portable powered tools</td> </tr> <tr> <td>e) points of operation</td> <td>f) OSHA machine guarding violations</td> </tr> </table> <p>Machine safeguarding inspection workshops provide:</p> <p>a) hazards recognition</p> <p>b) options for control and hazard abatement.</p>						a) machinery processes	b) mechanical motions	c) control of hazardous energy sources (lockout/tag out)	d) guarding of portable powered tools	e) points of operation	f) OSHA machine guarding violations
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c) control of hazardous energy sources (lockout/tag out)	d) guarding of portable powered tools											
e) points of operation	f) OSHA machine guarding violations											
Testing Methodology	Paper?	Varies	Online?	No	Performance Exams / Tests?	No						
Re-Testing (if available)	Retesting Procedures	N/A		Max Attempts	N/A							
Testing Details (including any age requirements / accommodations)	Course tests and details vary by provider.											



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Industry-Based Certification Requirements: Teachers						
<i>Bulletin 746, Chapter 5: All Louisiana teachers providing instruction in a course that leads to an IBC must hold the certification that they're teaching students to attain.</i>						
Instructor Certification Requirements (by certifying agency)	This course must be taken at an OSHA Education Center.					
Proctoring / Test Security (if any)	N/A					
Certification Tracking						
Credentialing Documentation	A course completion card is presented to the student. Documentation is kept by the OSHA Education Center providing the course.					
Certification Tracking System	Online Tracking System?	Yes	Details	Only members of the Safety Council providing training verification for the employer can access online certification information provided by the OSHA Education Center.		
Other Details	Expiration Timeframe?	There is no course expiration.				
Certification Costs / Funding Sources						
Cost Details	Costs vary by local provider. High schools are encouraged to check with multiple local providers to determine the best combination of cost and quality, and then reach an agreement with a local provider at the most affordable cost.					
Re-test / Refund Policies	N/A					
Funding Sources ²	CDF?	No	Perkins?	Yes	Alternative Source (other than General Funds)	
For More Information						
Certifying Agency Contact Info	OSHA Website: www.osha.gov					
LDE Contact	JumpStart@La.Gov					
Jump Start Regional Team Experts	TBD					

1 – This table may not include all the graduation pathways this credential appears in. Please check the [graduation pathway](#) you are working with if you have a question as to whether or not this credential is part of that pathway.

2 – CDF = [Career Development Fund](#)