

## Certification for Machining (C4 Machining)

### February 9, 2018



Certifying Organization	LED FastStart <a href="http://www.opportunitylouisiana.com/page/led-faststart">http://www.opportunitylouisiana.com/page/led-faststart</a>				
Description of Credential	C4 Machining	The Certification for C4 Machining program provides students with skills aligned to entry-level positions in the machining industry. The C4 Machining curriculum includes extensive classroom and laboratory exposure to the concepts and capabilities most valued by Louisiana employers. Students must successfully complete four courses each with a final assessment, and an instructor evaluation to receive the credential.			
	C4 Machining Helper	The Transcript Certificate in Machining (C4 Machining) Helper demonstrates that the student has completed the first two courses of C4 Machining AND completed either NCCER Core <b>OR</b> OSHA 30 in either General Industry or Construction.			
Part of which Graduation Pathways <sup>1</sup>	<u>Integrated:</u> Manufacturing Specialist; Manufacturing, Construction Crafts and Logistics				
<a href="#">Associated with Which Careers?</a>	5 Star: Machinist, Operating Workers, Plant Operators 4 Star: Machine Operators				
Entry-Level Annual Salaries	\$36,691 - \$41,215				
<b>Industry-Based Certification Requirements: Students</b>					
Standard / Curriculum	Students must successfully complete four courses listed below, obtain a minimum of 80% on the Post assessment, and have a good instructor evaluation to attain the credential. The courses are: 1) Fundamentals of Machining (C4 Machining), Course Code: 110268 2) Tools and Equipment (C4 Machining) Course Code: 110271 3) Manual Machining (C4 Machining) Course Code: 110274 4) Computerized Numerical Control (C4 Machining) Course Code: 110277  The instructor evaluation rubric includes attendance, punctuality, and ability to work on teams, among other metrics.				
Testing Methodology	Paper?	Yes	Online?	Yes	Performance Exams / Tests?  Students will be required to demonstrate their mastery of technical skills in laboratory activities graded by the instructor.
Re-Testing (if available)	Re-Testing Procedures	Students are allowed to take quizzes, exams and the final assessment a second time, if needed. The instructor may request a waiver from LED FastStart to allow a student a third attempt.			Max Attempts  3
Testing Details (including any age requirements / accommodations)	All quizzes and final exams are multiple choice and completed online in Moodle, the Learning Management System and graded in this system. These quizzes and final exams are not timed. Lab assignments are paper tests and graded by the instructor. Those lab grades will be entered into Moodle by the instructor and used to calculate the final grade for the course. The breakdown for the grade is as follows: Quizzes 25%, final Exams 25%, and Labs 50%. Students should have at least a 75% passing rate on the quizzes and final exams and they must have a minimum of 80% passing rate on the post Assessment to receive their certification.				

# Certification for Machining (C4 Machining)

## February 9, 2018



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)	Instructors are required to be certified by LED FastStart and hold the C4 Machining certification. FastStart offers free training that covers the curriculum information and use of the Learning Management System Moodle. Instructors are expected to have an existing foundation in the technical skills covered in the C4 Machining curriculum, but technical training in a specific area can be arranged by FastStart in certain circumstances. Recertification is needed after major curriculum changes.				
Proctoring / Test Security (if any)	Instructors must proctor all exams and the final assessment.				
Certification Tracking					
Credentialing Documentation	<p>Students who successfully complete the program will receive a C4 Machining Certificate from LED FastStart.</p> <p>Teachers of students who successfully complete the C4 Machining Helper requirements will complete the C4 Machining High School Course Completion Transcript for accountability purposes.</p> <p>Pictures of Certifications:</p> <p>#IBC Code: 135 <a href="#">C4Machining Certificate</a></p> <p>#IBC Code: 444 <a href="#">C4Machining HS Grade Transcript Form</a></p>				
Certification Tracking System	Online Tracking System?	Yes	Details	LED FastStart retains records of all C4 Machining credentials awarded. Instructors will need to report to FastStart when students successfully complete the program and provide information on employment or continued education when possible.	
Other Details	Expiration Timeframe?	The student certification does not expire. Instructors will have to be re-certified when significant changes are made to the curriculum.			
Certification Costs / Funding Sources					
Cost Details	C4 Machining curriculum and instructor certification are offered at no cost to public schools in Louisiana.				
Re-test / Refund Policies	Students may retake quizzes, exams, and the final assessment twice, or a third time with a waiver from LED FastStart. There is no cost for retesting.				
Funding Sources <sup>2</sup>	CDF?	Yes	Perkins?	Yes	Alternative Source (other than General Funds)
For More Information					
Certifying Agency Contact Information	<p>LED FastStart 627 North 4<sup>th</sup> Street, Suite 2-200, Baton Rouge, LA 70802</p> <p>Contact Linda Kelly Program Manager, Workforce Initiatives</p> <p><a href="mailto:Linda.kelly2@la.gov">Linda.kelly2@la.gov</a></p> <p>Office (225-219-4641, Mobile (225) 936-7542</p>				
LDE Contact	<a href="mailto:JumpStart@La.Gov">JumpStart@La.Gov</a>				
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](#)