

Certification for Manufacturing (C4M)

July 15, 2016



Certifying Organization	LED FastStart http://www.opportunitylouisiana.com/page/led-faststart					
Description of Credential	The Certification for Manufacturing (C4M) program provides students with skills aligned to entry-level positions in the manufacturing industry. The C4M curriculum includes extensive classroom and laboratory exposure to the concepts and capabilities most valued by Louisiana employers. Students must successfully complete four courses, a final assessment, and an instructor evaluation to receive the credential.					
Part of which Graduation Pathways ¹	<u>Integrated:</u> Manufacturing Specialist; Manufacturing, Construction Crafts and Logistics; Agriculture Tech					
Associated with Which Careers?	<u>5 Star:</u> First-Line Supervisors of Production and Operating Workers, Machinists, Welders, Plant Operators <u>4 Star:</u> Machine Operators					
Entry-Level Annual Salaries	\$25,228 - \$33,377					
Industry-Based Certification Requirements: Students						
Standard / Curriculum	Students must successfully complete four courses, obtain a minimum of 80% on the Post assessment, and have a good instructor evaluation to attain the credential. The courses are: 1) Introduction to Manufacturing (C4M) Course Code: 110256 2) Manufacturing Tools and Equipment (C4M) Course Code: 110257 3) Automation in Manufacturing (C4M) Course Code: 110258 4) Introduction to Fabrication, P-Tech and Machining (C4M) Course Code: 110259 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 15%, final Exams 25%, Labs 50% and Participation/Attendance 10%. 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.					



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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)	Instructors are required to be certified by LED FastStart. 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 C4M 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	Students who successfully complete the program will receive a C4M certificate from LED FastStart.				
Certification Tracking System	Online Tracking System?	Yes	Details	LED FastStart retains records of all C4M 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	C4M 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 ²	CDF?	Yes	Perkins?	Yes	Alternative Source (other than General Funds)
For More Information					
Certifying Agency Contact Infor	LED FastStart 627 North 4 th Street, Suite 2-200 Baton Rouge, LA 70802 Contact Linda Kelly Program Manager, Workforce Initiatives Linda.kelly2@la.gov Office (225-219-4641) Mobile (225) 936-7542				
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](#)