

2018

JUMP START
CONVENTION

PATHWAYS
TO THE
FUTURE
for all students

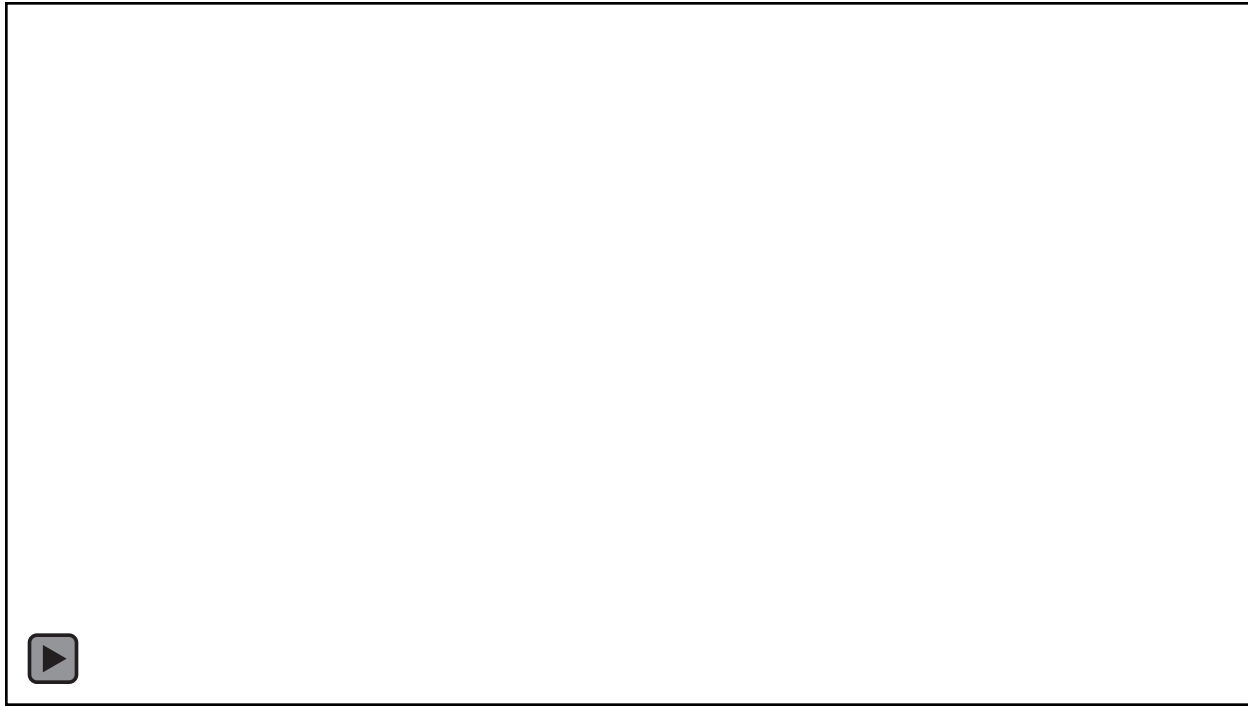


JANUARY 23, 2018

Raising Cane's River Center

DEPARTMENT of
EDUCATION
Louisiana Believes

Changing Students Lives and Supporting Economic Growth



C4 Manufacturing (C4M)



- C4M is a certification program developed by the LED FastStart Workforce Initiative Team in conjunction with individuals from business and industries across the state.
- The curriculum focuses on entry-level manufacturing skills relevant to Louisiana businesses.
- The program consists of four courses corresponding to approximately forty-five contact hours each, for a total of one hundred and eighty contact hours of classroom and laboratory work. Students must successfully complete a post assessment and instructor evaluation to receive the C4M certification.

C4 Manufacturing (C4M)



- Four courses can be offered simultaneously or sequentially, in colleges, high schools, or work sites. They can be offered for credit or non-credit.
- Extensive additional independent study time is completed on tablets, iPads, laptops, or personal computers using PowerPoints and Interactive Training Modules (ITM).
- In addition to students receiving the C4 Manufacturing Certification, they have the opportunity to receive the OSHA 10 Certification and Certified Production Technician (CPT) Certification.

C4 MANUFACTURING CURRICULUM

COURSE 1 - INTRODUCTION TO MANUFACTURING

Unit 1 The Manufacturing Industry
Unit 2 General Safety
Unit 3 Quality

Unit 4 Lean Manufacturing
Unit 5 Team Skills

COURSE 2 - TOOLS & EQUIPMENT

Unit 1 Occupational Safety
Unit 2 Basic Math
Unit 3 Precision Measurement

Unit 4 Hand and Power Tools
Unit 5 Fluid Mechanics

COURSE 3 - AUTOMATION

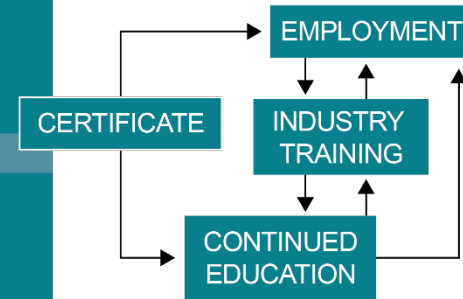
Unit 1 Electrical Fundamentals
Unit 2 HMI/PLC
Unit 3 Robotics

Unit 4 Computing PC Databases
Unit 5 Instrumentation

COURSE 4 - INTRODUCTION TO FABRICATION, P-TECH, & MACHINING

Unit 1 Industrial Math
Unit 2 Chemistry and Physics
Unit 3 Plant Drawings, Process Controls,
and Tools

Unit 4 Practical Identification of Metals
Unit 5 Introduction to Machining
Unit 6 Introduction to Welding



C4 Manufacturing Credit Hours Transfer to:



- Associate of Science Degree in Industrial Manufacturing Technology
- Technical Competency Area (TCA) in Advanced Manufacturing and Mechatronics
- Technical Competency Area (TCA) in Industrial Maintenance
- Associate of Applied Science Degree in Industrial Maintenance
- Associate of Applied Science Degree in Advanced Manufacturing and Mechatronics
- Bachelor of Science Degree in Engineering Technology

Technical/Community Colleges Currently Accepting C4M Credits



- Central Louisiana Technical Community College (CLTCC) – Alexandria, Natchitoches, Many, and Minden
- Louisiana Delta Community College (LDCC) – Monroe

University Accepting C4M Credits



- Northwestern State University – Natchitoches
 - Bachelor of Science Degree in Engineering Technology

High Schools Currently Offering C4M



- Caddo Parish – Northwood
- Catahoula Parish – Block, Central, Harrisonburg, and Sicily Island
- Desoto Parish – Stanley
- East Carroll Parish – General Trass
- Franklin Parish – Wossman
- Jackson Parish – Quitman
- Lincoln Parish – Simsboro
- Morehouse Parish – Bastrop
- Ouachita Parish – Neville, West Ouachita and Ouachita
- Rapides Parish – Buckeye, Tioga, and Bolton
- Sabine Parish – Converse
- Union Parish – Downsville
- West Carroll Parish – Forest, Epps, Oak Grove, and Kilbourne
- Winn Parish – Winnfield

Companies Guaranteeing C4M Completers Interviews



- ADA Carbon Solutions
- Boise Cascade, Florien
- Boise Wood Products
- Bunkie Wood Products
- Catahoula Manufacturing
- Cenla Recycling
- Crest DisTran Industries
- Eclectic Products
- Emerson/Alliance Compress
- International Paper, Campti
- Ternium
- International Paper, Mansfield
- Kisatchie Treating
- Libbey Inc.
- Paperworks Industries
- Pearson Medical Technologies

C4M Salaries For Entry Level Positions

SOC	Description	2016 Jobs	Median Hourly Earnings
47-3013	Helpers--Electricians	3,433	\$13.92
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	2,505	\$13.84
49-9098	Helpers--Installation, Maintenance, and Repair Workers	3,848	\$12.47
51-2092	Team Assemblers	5,151	\$14.98
51-9198	Helpers--Production Workers	5,806	\$13.71
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	43,936	\$11.85
53-7063	Machine Feeders and Offbearers	617	\$17.92

Companies Guaranteeing C4M Completers Interviews



- Plastipak
- PQ Corporation
- Ronpak
- Roy O. Martin
- TriState
- Union Tank Car (UTLX)
- Advantage Resourcing
- Ardagh Glass
- Diversity One Staffing
- Express Employment Professionals
- International Paper
- Manpower
- Roseburg Frost Products
- Sapa Extrusions
- Steel Fabricators
- Weststaff
- Weyerhaeuser

C4M High School Statistics

- In 2014 one high school with 44 students enrolled
- In 2017 twenty-six high schools with 846 students enrolled

Challenges & Successes

- Allowing 504 students to enroll in C4M
- Choosing instructors with correct skills
- 31 students have received certification
- 11 will continue their education at technical/community colleges and four-year universities
- 14 aspire to work at different companies
- 4 will join family and friends in pipeline construction industry
- 2 plan to enlist in the Army

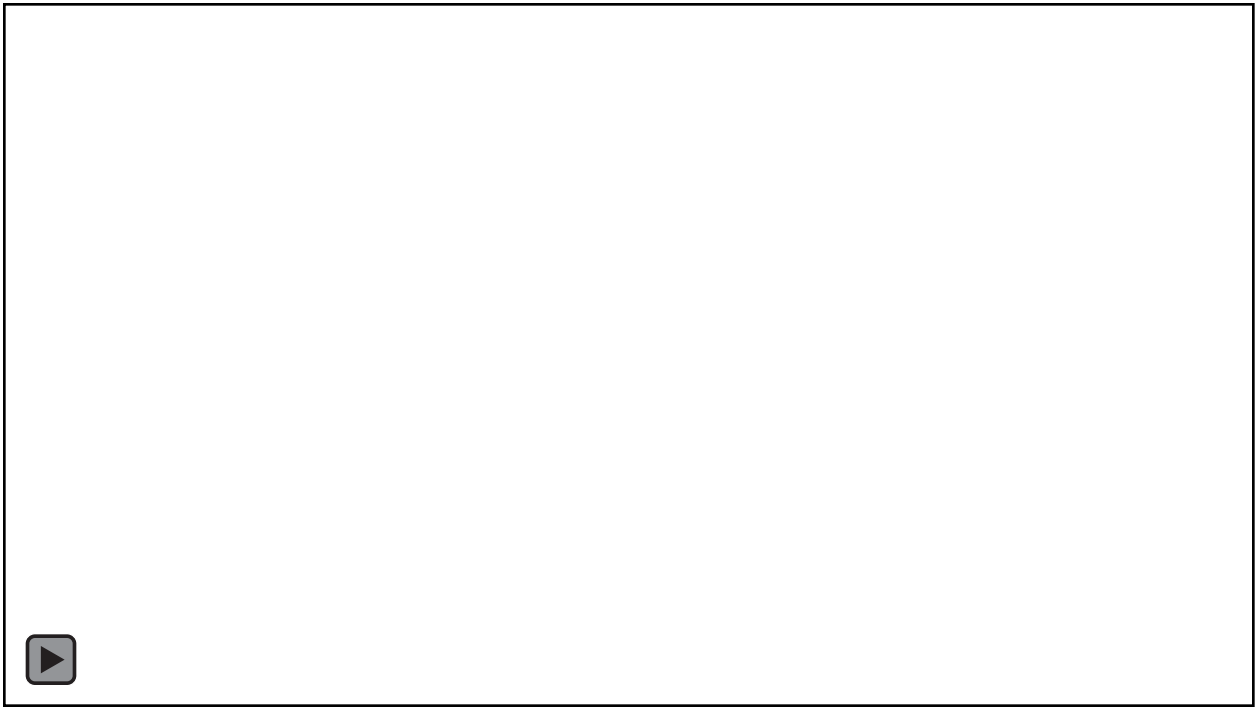
How Do I Implement C4M At My School?

- Set up a meeting with businesses and industries in your region
- Share the C4 Manufacturing Curriculum with them
- Determine if they would hire students with these skills

C4M Instructor Certification



- The LED FastStart Workforce Initiative Team certifies all instructors.
- Instructors must already have the skills needed to teach the curriculum in order to be certified.
- Instructors are certified on how to use the Learning Management System (LMS) where the curriculum is housed, how to navigate using the curriculum, how to help students navigate the LMS, how to use the Interactive Training Modules (ITM), and how to monitor their students' lab work and grades.



Questions & Answers



Contact Linda M. Kelly, Program Manager

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