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| Integrated Pathway | The Manufacturing Specialist graduation pathway is an Integrated pathway. Students must:  1) pass 9 Carnegie credits of courses from this pathway;  2) including at least one Career Readiness course (one Carnegie credit);  3) attain one Statewide credential (or the LCTCS equivalent certificate / diploma); *OR*  4) one Core credential (or the LCTCS equivalent certificate / diploma); and  5) two Complementary credentials. |

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| High-Demand Careers Related to this Pathway | 5 Star: First Line Supervisors; Industrial Production Managers; Machinist  4 Star: Computer-Controlled Machine Tool Operators; Machine Setter, Operator or Tender |

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| Manufacturing Specialist Graduation Pathway: Sections | | |
| 1 | Pathway-Specific Courses | This section lists the course titles and codes for courses specific to this pathway |
| Each table also indicates those courses that qualify for the basic 6% CTE adder (*course codes beginning with "01", "04", "07", "08", "09", "10", "11" or "31" are CTE courses)* as well as those courses that qualify for the additional 6% Career Development Fund (or CDF) payment. |
| 2 | Universal Jump Start Courses | This section lists the course titles and course codes for courses that are part of every Jump Start graduation pathway |
| 3 | Career Readiness Courses | This section lists the course titles and codes for courses that qualify as Career Readiness Courses. Students must pass at least one Carnegie credit of Career Readiness courses, but may apply more than one Career Readiness course to their 9 credit Jump Start graduation requirement. |
| 4 | Internships | This section indicates the three types of internships and the appropriate course codes. |
| 5 | Culminating Credentials | This section indicates the required culminating credential(s) for this pathway. |
| 6 | Sample Schedule | This section provides a sample schedule for students pursuing this graduation pathway. Each high school will develop its own standard schedules for Jump Start students. |
| 7 | Help Resources | This section lists Help Resources available on the Department’s *All Things Jump Start* web portal. Please contact [JumpStart@la.gov](mailto:JumpStart@la.gov) with any questions you have about implementing Jump Start at your school.  ***This pathway can be adapted for students meeting Act 833 eligibility criteria (see last page).*** |

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| Pathway-Specific Courses: Manufacturing Specialist | | | | |
| Course Title | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| Accounting II | 040104 | 1 | ✔ |  |
| Advanced Electrical and Electronics Laboratory | 310384 | 1 | ✔ |  |
| Advanced Electrical Electronics | 310383 | 1 | ✔ |  |
| Advanced Electricity / Electronics | 110610 | 1 | ✔ |  |
| Advanced Technical Drafting | 110590 | 1 | ✔ |  |
| Advanced Wood Technology | 110120 | 1 | ✔ |  |
| Ag Construction Technology | 010444 | 1 | ✔ |  |
| Ag Power Equipment | 010446 | 1 | ✔ |  |
| AgriScience II | 010302 | 1 | ✔ |  |
| AgriScience III | 010303 | 1 | ✔ |  |
| Agriscience IV | 010304 | 1 | ✔ |  |
| Agriscience - Construction | 010344 | ½ | ✔ |  |
| Agriscience - Leadership Development | 010354 | ½ | ✔ |  |
| Agriscience - Leadership | 010364 | 1 | ✔ |  |
| Architectural Drafting | 110580 | 1 | ✔ |  |
| Automation in Manufacturing (C4M) | 110258 | 1 | ✔ | ✔ |
| AWS Welding I | 313100 | 1 | ✔ | ✔ |
| AWS Welding I | 313102 | 2 | ✔ | ✔ |
| AWS Welding I | 313103 | 3 | ✔ | ✔ |
| AWS Welding II | 313105 | 1 | ✔ | ✔ |
| AWS Welding II | 313106 | 2 | ✔ | ✔ |
| AWS Welding II | 313107 | 3 | ✔ | ✔ |
| Basic Electricity | 310400 | 1 | ✔ |  |
| Basic Electricity I | 310402 | 2 | ✔ |  |
| Basic Electricity I | 310403 | 3 | ✔ |  |
| Basic Electricity II | 310410 | 1 | ✔ |  |
| Basic Electricity II | 310412 | 2 | ✔ |  |
| Basic Electricity II | 310413 | 3 | ✔ |  |
| Basic SMAW | 313120 | 1 | ✔ |  |
| Basic Electricity/Electronics | 110600 | 1 | ✔ |  |
| Basic Sheet Metals | 110200 | 1 | ✔ |  |
| Basic Technical Drafting | 110560 | 1 | ✔ |  |
| Basic Wood Technology | 110100 | 1 | ✔ |  |
| Chemistry\* | 150401 | 1 |  |  |
| CMAD Drafting | 110570 | 1 | ✔ | ✔ |
| CMAD Drafting | 110571 | 2 | ✔ | ✔ |
| CMAD Drafting | 110572 | 3 | ✔ | ✔ |
| Computer Integrated Manufacturing | 110850 | 1 | ✔ |  |
| Construction Crafts | 313726 | 1 | ✔ |  |
| Construction Technology | 110110 | 2 | ✔ |  |
| Cooperative AgriScience Education I | 010323 | 3 | ✔ |  |
| Cooperative AgriScience Education II | 010325 | 3 | ✔ |  |
| Design, Blueprint Reading and Codes | 310622 | 1 | ✔ |  |
| Digital Electronics | 110820 | 1 | ✔ |  |
| Drafting | 110560 | 1 | ✔ |  |
| Drafting Design & Tech. I | 311300 | 1 | ✔ |  |
| Drafting Design & Tech. I | 311302 | 2 | ✔ |  |
| Drafting Design & Tech. I | 311303 | 3 | ✔ |  |
| Drafting Design & Tech. II | 311305 | 1 | ✔ |  |
| Drafting Design & Tech. II | 311312 | 2 | ✔ |  |
| Drafting Design & Tech. II | 311313 | 3 | ✔ |  |
| Engineering & Design I: Intro to STEM Careers | 080110 | 1 | ✔ |  |
| Engineering & Design II: STEM & Industrial Problem Solving | 080120 | 1 | ✔ |  |
| Engineering Design (& Product) Development | 110860 | 1 | ✔ |  |
| General Tech Education | 110010 | 1 | ✔ |  |
| Geometry\* | 160323 | 1 |  |  |
| Industrial Electronics I | 311800 | 1 | ✔ |  |
| Industrial Electronics I | 311802 | 2 | ✔ |  |
| Industrial Electronics I | 311803 | 3 | ✔ |  |
| Industrial Electronics II | 311805 | 1 | ✔ |  |
| Industrial Electronics II | 311812 | 2 | ✔ |  |
| Industrial Electronics II | 311813 | 3 | ✔ |  |
| Industrial and Plant Safety | 311921 | 1 | ✔ |  |
| Industrial Machines Shop I | 311900 | 1 | ✔ | ✔ |
| Industrial Machines Shop I | 311902 | 2 | ✔ | ✔ |
| Industrial Machines Shop I | 311903 | 3 | ✔ | ✔ |
| Industrial Machines Shop II | 311905 | 1 | ✔ | ✔ |
| Industrial Machines Shop II | 311912 | 2 | ✔ | ✔ |
| Industrial Machines Shop II | 311913 | 3 | ✔ | ✔ |
| Industrial Machines Shop III | 311915 | 1 | ✔ | ✔ |
| Industrial Machines Shop III | 311916 | 2 | ✔ | ✔ |
| Industrial Machines Shop III | 311917 | 3 | ✔ | ✔ |
| Industrial Machines Shop IV | 311918 | 1 | ✔ | ✔ |
| Industrial Machines Shop IV | 311919 | 2 | ✔ | ✔ |
| Industrial Machines Shop IV | 311920 | 3 | ✔ | ✔ |
| Introduction to Engineering Design | 110800 | 1 | ✔ |  |
| Introduction to Fabrication P-Tech and Machining (C4M) | 110259 | 1 | ✔ | ✔ |
| Introduction to Hazardous Materials | 311922 | 1 | ✔ |  |
| Introduction to Logistics | 313831 | 1 | ✔ |  |
| Introduction to Manufacturing (C4M) *Also called: Manufacturing Process and Team Building* | 110256 | 1 | ✔ | ✔ |
| Land Design, Construction and Maintenance | 010470 | 1 | ✔ |  |
| LCTCS course(s) that generate Dual Enrollment credit aligned with approved pathway courses | | |  |  |
| Manufacturing Tools & Equipment (C4M) | 110257 | 1 | ✔ | ✔ |
| NCCER Carpentry I | 110701/313300 | 1 | ✔ | ✔ |
| NCCER Carpentry I | 110702/313302 | 2 | ✔ | ✔ |
| NCCER Carpentry I | 110703/313303 | 3 | ✔ | ✔ |
| NCCER Carpentry II | 110706/313305 | 1 | ✔ | ✔ |
| NCCER Carpentry II | 110707/313312 | 2 | ✔ | ✔ |
| NCCER Carpentry II | 110708/313313 | 3 | ✔ | ✔ |
| NCCER Carpentry III | 110700 | 1 | ✔ | ✔ |
| NCCER Carpentry III | 110704 | 2 | ✔ | ✔ |
| NCCER Carpentry III | 110705 | 3 | ✔ | ✔ |
| NCCER Carpentry IV | 110709 | 1 | ✔ | ✔ |
| NCCER Carpentry IV | 110710 | 2 | ✔ | ✔ |
| NCCER Carpentry IV | 110714 | 3 | ✔ | ✔ |
| NCCER Carpentry in AgriScience | 010601 | 1 | ✔ | ✔ |
| NCCER Carpentry in AgriScience | 010602 | 2 | ✔ | ✔ |
| NCCER Carpentry in AgriScience | 010603 | 3 | ✔ | ✔ |
| NCCER Construction Technology | 110110 | 1 | ✔ | ✔ |
| NCCER Core | 311720 | 1 | ✔ | ✔ |
| NCCER Electrical I | 110711/313400 | 1 | ✔ | ✔ |
| NCCER Electrical I | 110712/313402 | 2 | ✔ | ✔ |
| NCCER Electrical I | 110713/313403 | 3 | ✔ | ✔ |
| NCCER Electrical II | 110716/313405 | 1 | ✔ | ✔ |
| NCCER Electrical II | 110717/313412 | 2 | ✔ | ✔ |
| NCCER Electrical II | 110718/313413 | 3 | ✔ | ✔ |
| NCCER Electrical in Agriscience | 010701 | 1 | ✔ | ✔ |
| NCCER Electrical in Agriscience | 010702 | 2 | ✔ | ✔ |
| NCCER Electrical in Agriscience | 010703 | 3 | ✔ | ✔ |
| NCCER Heavy Equipment | 313722 | 1 | ✔ | ✔ |
| NCCER Heavy Equipment | 313723 | 2 | ✔ | ✔ |
| NCCER HVAC I | 310100 | 1 | ✔ | ✔ |
| NCCER HVAC I | 310102 | 2 | ✔ | ✔ |
| NCCER HVAC I | 310103 | 3 | ✔ | ✔ |
| NCCER HVAC II | 310105 | 1 | ✔ | ✔ |
| NCCER HVAC II | 310112 | 2 | ✔ | ✔ |
| NCCER HVAC II | 310113 | 3 | ✔ | ✔ |
| NCCER Industrial Maintenance Electrical & Instrumentation | 313730 | 2 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic I | 110721/313500 | 1 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic I | 110722/313502 | 2 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic I | 110723/313403 | 3 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic II | 110726/313505 | 1 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic II | 110727/313512 | 2 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic II | 110728/313513 | 3 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic III | 313517 | 1 | ✔ | ✔ |
| NCCER Instrumentation Control Mechanic IV | 313520 | 1 | ✔ | ✔ |
| NCCER Insulating | 313830 | 2 | ✔ | ✔ |
| NCCER Millwright Level 1 | 313714 | 1 | ✔ | ✔ |
| NCCER Millwright Level 2 | 313715 | 1 | ✔ | ✔ |
| NCCER Millwright Level 3 | 313716 | 1 | ✔ | ✔ |
| NCCER Millwright Level 4 | 313717 | 1 | ✔ | ✔ |
| NCCER Mobile Crane 1 | 313720 | 1 | ✔ | ✔ |
| NCCER Mobile Crane 2 | 313721 | 1 | ✔ | ✔ |
| NCCER Welding in AgriScience I | 010901 | 1 | ✔ | ✔ |
| NCCER Welding in AgriScience II | 010902 | 2 | ✔ | ✔ |
| NCCER Welding in AgriScience III | 010903 | 3 | ✔ | ✔ |
| NCCER Welding Technology I | 110741/313700 | 1 | ✔ | ✔ |
| NCCER Welding Technology I | 110742/313702 | 2 | ✔ | ✔ |
| NCCER Welding Technology I | 110743/313703 | 3 | ✔ | ✔ |
| NCCER Welding Technology II | 110748/313705 | 1 | ✔ | ✔ |
| NCCER Welding Technology II | 110747/313712 | 2 | ✔ | ✔ |
| NCCER Welding Technology II | 110748/313713 | 3 | ✔ | ✔ |
| Oil & Gas | 110955 | 1 | ✔ | ✔ |
| Oil Patch Preparation System | 110957 | ½ | ✔ | ✔ |
| Outdoor Power Equipment Technician I | 312300 | 1 | ✔ |  |
| Outdoor Power Equipment Technician I | 312302 | 2 | ✔ |  |
| Outdoor Power Equipment Technician I | 312303 | 3 | ✔ |  |
| Outdoor Power Equipment Technician II | 312305 | 1 | ✔ |  |
| Outdoor Power Equipment Technician II | 312312 | 2 | ✔ |  |
| Outdoor Power Equipment Technician II | 312313 | 3 | ✔ |  |
| Principles of Engineering | 110810 | 1 | ✔ |  |
| Process Instrumentation I | 110915 | 1 | ✔ |  |
| Process Instrumentation II | 110916 | 1 | ✔ |  |
| Process Technician I | 110911 | 1 | ✔ | ✔ |
| Process Technician I | 110912 | 2 | ✔ | ✔ |
| Process Technician I | 110914 | 3 | ✔ | ✔ |
| Process Technician II | 110913 | 1 | ✔ | ✔ |
| Process Technician II | 110917 | 2 | ✔ | ✔ |
| Process Technician II | 110918 | 3 | ✔ | ✔ |
| Process Technician III | 110919 | 1 | ✔ | ✔ |
| Process Technician III | 110920 | 2 | ✔ | ✔ |
| Process Technician III | 110921 | 3 | ✔ | ✔ |
| Safety & Construction Skills: Year1 | 313724 | 2 | ✔ |  |
| Safety & Construction Skills: Year2 | 313725 | 2 | ✔ |  |
| SMAW Groove Welds | 313121 | 1 | ✔ |  |
| T-2 Safety Systems | 110956 | 1 | ✔ | ✔ |
| Warehouse and Inventory Management | 313835 | 1 | ✔ |  |
| Workplace Safety | 311923 | 1 | ✔ |  |

\*- Courses that count towards an academic requirement cannot also count towards the requirement of 9 Carnegie credits for a graduation pathway.

Note: *course codes beginning with "01", "04", "07", "08", "09", "10", "11" or "31" are CTE courses that qualify for the basic 6% CTE adder payment.*

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| Universal Jump Start Courses – these courses are part of every Jump Start graduation pathway | | | | |
| Course Title | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| Accounting | 040101 | 1 | ✔ |  |
| Accounting II | 040104 | 1 | ✔ |  |
| Business Communications | 040305 | 1 | ✔ |  |
| Business Communications | 125030 | 1 |  |  |
| Business Computer Applications (BCA) | 040400 | 1 | ✔ |  |
| Business Law | 040303 | ½ | ✔ |  |
| Business Math\* | 040307 | 1 | ✔ |  |
| Career Success Skills | 080407 | 1 | ✔ |  |
| Computer Technology Literacy | 040220 | 1 | ✔ |  |
| Customer Service | 080720 | ½ | ✔ |  |
| Customer Service | 041001 | 1 | ✔ |  |
| Entrepreneurship (Business) | 040110 | 1 | ✔ |  |
| Entrepreneurship | 041040 | 1 | ✔ |  |
| Entrepreneurship (NAF) | 080685 | ½ | ✔ |  |
| ~~Financial Literacy (formerly Financial Mathematics)~~ *INACTIVE COURSE CODE* | ~~040304~~ | Please use course code 160345 for this course | | |
| Financial Literacy (formerly Financial Mathematics)\* | 160345 | 1 |  |  |
| First Responder | 090710 | ½ | ✔ |  |
| First Responder | 090711 | 1 | ✔ |  |
| First Responder | 090712 | 2 | ✔ |  |
| Introduction to Business Computer Applications (IBCA) | 040401 | 1 | ✔ |  |
| JAG III | 042030 | 1 | ✔ |  |
| JAG IV | 042040 | 1 | ✔ |  |
| JR ROTC III | 170003 | 1 |  |  |
| JR ROTC IV | 170004 | 1 |  |  |
| Keyboarding | 040229 | 1 | ✔ |  |
| Keyboarding | 040225 | ½ | ✔ |  |
| Keyboarding Applications | 040226 | ½ | ✔ |  |
| Law Studies | 220506 | 1 |  |  |
| Managerial Accounting | 080691 | ½ | ✔ |  |
| Personal Finance | 041022 | ½ | ✔ |  |
| Principles of Business | 040306 | 1 | ✔ |  |
| Principles of Finance | 080670 | 1 | ✔ |  |
| Principles of Marketing I | 041025 | 1 | ✔ |  |
| Principles of Marketing II | 041026 | 1 | ✔ |  |
| Speech I | 051101 | 1 |  |  |
| Speech II | 051102 | 1 |  |  |
| Technical Math\* | 165010 | 1 |  |  |
| Technical Reading and Writing\* (NOT a TOPS Tech-qualifying course) | 125010 | 1 |  |  |
| Technical Writing\* *[TOPS Tech-qualifying English course]* | 120350 | 1 |  |  |
| Word Processing | 040203 | 1 | ✔ |  |

\*- Courses that count towards an academic requirement cannot also count towards the requirement of 9 Carnegie credits for a graduation pathway.

Note: *course codes beginning with "01", "04", "07", "08", "09", "10", "11" or "31" are CTE courses that qualify for the basic 6% CTE adder payment.*

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| Career Readiness Courses | | | | |
| These courses all qualify as Career Readiness courses. Every Jump Start student must take a minimum of one Carnegie credit of Career Readiness courses.  There is no limit on the number of Career Readiness course credits a student may apply to the 9 CTE course credit requirement for the Jump Start Career Diploma.  Career Readiness courses are universal courses – they apply to every Jump Start graduation pathway. | | | | |
| Course Title | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| Advanced Career Readiness (including regionally-developed Career Readiness Courses) | 080410 | 1 | ✔ |  |
| AgriScience I (Career Readiness)\* | 010301 | 1 | ✔ |  |
| Basic Career Readiness | 080409 | 1 | ✔ |  |
| Education for Careers | 080400 | ½ | ✔ |  |
| Education for Careers | 080401 | 1 | ✔ |  |
| Education for Careers Part I | 080405 | ½ | ✔ |  |
| Education for Careers Part II | 080406 | ½ | ✔ |  |
| JAG I | 042010 | 1 | ✔ |  |
| JAG II | 042020 | 1 | ✔ |  |
| Journey to Careers (Career Readiness) | 080403 | 1 | ✔ |  |
| Journey to Careers Part 1 (Career Readiness) | 080402 | ½ | ✔ |  |
| Journey to Careers Part 2 (Career Readiness) | 080404 | ½ | ✔ |  |

\*- Courses that count towards an academic requirement cannot also count towards the requirement of 9 Carnegie credits for a graduation pathway.

Note: *course codes beginning with "01", "04", "07", "08", "09", "10", "11" or "31" are CTE courses that qualify for the basic 6% CTE adder payment.*

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| Internships | | | | |
| There are three types of internships:  1) **CDF-Qualifying Internships** qualify for *both* the 6% MFP adder paid for all CTE courses *and* the 6% Career Development Fund (CDF) adder;  2) **CTE Internships** qualify *only* for the 6% MFP adder for all CTE courses; and  3) **Non-CTE internships** do not qualify for any MFP adder. **Non-CTE Internships are not part of any Jump Start graduation pathway** | | | | |
| Course Title | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| CDF-Qualifying CTE Internship I | 080202 | 1 | ✔ | ✔ |
| CDF-Qualifying CTE Internship I | 080200 | 2 | ✔ | ✔ |
| CDF-Qualifying CTE Internship II | 080203 | 1 | ✔ | ✔ |
| CDF-Qualifying CTE Internship II | 080201 | 2 | ✔ | ✔ |
| CTE Internship I | 110402 | 1 | ✔ |  |
| CTE Internship I | 110403 | 2 | ✔ |  |
| CTE Internship II | 110404 | 1 | ✔ |  |
| CTE Internship II | 110405 | 2 | ✔ |  |
| Non-CTE Internship I | 400200 | 1 |  |  |
| Non-CTE Internship I | 400210 | 2 |  |  |
| Non-CTE Internship II | 400220 | 2 |  |  |
| Non-CTE Internship II | 400230 | 1 |  |  |

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| **2015-2016 WIC-Approved High-Demand Industry Sectors**  Internships that qualify for the 6% CDF payment ***must*** be in a WIC-approved high-demand industry sector. In 2015-2016 these sectors include: | | |
| * Automotive Service/Repair * Construction Crafts * Culinary (*only* for students pursuing the statewide ProStart / ServSafe credentials) | * Healthcare * HVAC * Information Technology | * Manufacturing * Pharmacy * Transportation and Logistics |

**Please see the document *Career Development Fund (CDF)-Qualifying Jump Start Internship Guidelines* for additional details.**

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| **Culminating Credential(s)** |

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| **Statewide Credentials** | | |
| Culminating Credentials/ Certifying Agencies | **ADVANCED:**  Attain a Louisiana post-secondary institution Technical Diploma (TD) or above aligned with this pathway | **BASIC:**   1. Certification for Manufacturing (C4M)– Louisiana Economic Development (LED) FastStart 2. Certification for Machining (C4Machining) – LED FastStart   OR   1. Attain a Louisiana post-secondary institution Certificate of Technical Studies aligned with this pathway |

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| **Regional Credentials** |

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| Culminating Credential(s) / Certifying Industry Agency(ies) | **Core Credentials: there are specialized requirements for this pathway:** |
| Students must attain passing grades in the initial two courses of the C4M curriculum:   1. Introduction to Manufacturing 2. Manufacturing Tools and Equipment   AND attain the following credential:   1. NCCER Core – National Center for Construction Education Research (NCCER) |
| **Complementary Credentials: students must attain two credentials from the list below:**  **Recommended Safety Complementary Credentials**  Students may apply only one Safety Complementary Credential towards their graduation requirements   1. Basic Safety Orientation - Association of Reciprocal Safety Councils 2. First Aid for Students Certification - Red Cross or approved equivalent\* 3. OSHA 10 – General Industry - OSHA Certificate of Completion 4. OSHA 10 – Construction - OSHA Certificate of Completion   \* - all First Aid certifications must include CPR and AED. To give districts and charter schools maximum flexibility to comply with the First Aid requirements of HB 542, districts and charter schools can provide the Jump Start team with evidence that the First Aid certification they’re using includes all required components as well as a practical certification.  **Recommended Computer Literacy Complementary Credentials**   1. Internet and Computing Core Certification (IC3) – Certiport 2. Microsoft Excel Specialist – Microsoft and Certiport 3. Microsoft PowerPoint Specialist – Microsoft and Certiport 4. Microsoft Word Specialist – Microsoft and Certiport 5. Microsoft Office Specialist Other – Microsoft and Certiport   **Other Recommended Complementary Credentials**   1. Certified Guest Service Professional - American Hospitality & Lodging Association 2. Customer Service and Sales – National Retail Federation 3. National Career Readiness Certificate WorkKeys Silver - ACT 4. NCCER Core – National Center for Construction Education Research (NCCER)   **Additional Approved (But Not Recommended) Complementary Credentials**   1. QuickBooks – Certiport (issue: this is a very demanding credential; students are encouraged to attain this credential, but it will be significantly more challenging to attain than the recommended Complementary credentials) |

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| **Sample Schedule** |
| Each schedule is *only one example* of how a student can meet the requirements of this pathway and graduate on time with the required culminating credential(s).  Each high school will develop its own standard schedules for Jump Start students based on the courses available to its students (in school, at the local technical college, or via Course Choice). |

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| **Sample Schedule – Statewide Credential** | | | |
| **9th Grade** | **10th Grade** | **11th Grade** | **12th Grade** |
| Algebra I  English I  Physical Science  Civics  ***IBCA***  ***Regional Career Readiness Course***  Physical Education I | Geometry  English II  Biology I  ***Agriscience I***  ***Principles of Business***  Physical Education II / Health  *Elective Course* | Algebra II  English III  U.S. History  ***Introduction to Manufacturing\****  ***Manufacturing Tools & Equipment***  *Elective Course*  *Elective Course* | Advanced Math – Functions and Statistics  English IV  ***Advanced Career Readiness***  ***Automation in Manufacturing***  ***Introduction to Fabrication PTech and Machining***  *Elective Course*  *Elective Course* |
| 7 credits | 7 credits | 7 credits | 7 credits |
| Credentials Earned by this Hypothetical Student | Certification for Manufacturing (C4M)– Louisiana Economic Development FastStart | | |
| ***Bold italicized courses count as one of the required 9 Carnegie credits for graduating via this CTE pathway*** | | | |

\* - includes course material that enables students to attain the NCCER Core credential

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| **Sample Schedule – Regional Credential** | | | | | |
| **9th Grade** | | **10th Grade** | **11th Grade** | | **12th Grade** |
| Algebra I  English I  Physical Science  Civics  ***IBCA***  ***Regional Career Readiness Course I***  Physical Education I | | Geometry  English II  Biology  U.S. History  ***First Responder***  ***Speech I***  Physical Education II / Health | Financial Math  English III  ***Drafting***  ***Introduction to Manufacturing\****  *NCCER Math Prep (Course Choice offering)*  *Elective Course*  *Elective Course* | | Business Math  Business English  ***CTE Internship***  ***Manufacturing Tools & Equipment***  ***Regional Career Readiness Course II***  *Elective Course*  *Elective Course* |
| 7 credits | | 7 credits | 7 credits | | 7 credits |
| Credentials Earned by this Hypothetical Student | Core Credential | | | Complementary Credentials | |
| Passing grades on the Introduction to Manufacturing and Manufacturing Tools & Equipment courses above  AND  NCCER Core | | | 1) First Aid for Students Certification – Red Cross  2) OSHA 10 General Industry – OSHA Certification of Completion | |
| ***Bold italicized courses count as one of the required 9 Carnegie credits for graduating via this CTE pathway*** | | | | | |

\* - includes course materials that enable students to attain the NCCER Core credential

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| **Help Resources** |

Please see the updated *All Things Jump Start* web portal: <http://www.louisianabelieves.com/courses/all-things-jump-start>/ The updated portal provides easier access to:

* updated Jump Start graduation pathways;
* updated industry credential fact sheets that provide comprehensive details on over 100 Jump Start industry credentials;
* guidance on how your school can implement workplace internships and virtual workplace experiences; *and much, much more.*

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| ***Every Pathway Can be Adapted for Students Meeting Act 833 (2014) Eligibility Criteria*** |

***Every Jump Start graduation pathway can be adapted for students with disabilities who meet Act 833 (2014) eligibility criteria.*** Students must complete nine credits of CTE courses from the courses listed in the pathway. The IEP team has the authority to determine the credentialing level a student must achieve for the purposes of graduation (analogous to using individual performance criteria to meet EOC requirements for the purposes of graduation).

IEP teams with questions about how to adapt this graduation pathway for their student should contact [JumpStart@la.gov](mailto:JumpStart@la.gov)

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| **Jump Start Graduation Pathway Revision Policy** |
| Jump Start graduation pathways are continuously updated. Please use the most updated graduation pathways.  Future changes to Jump Start graduation pathways will always increase student opportunities. ***No one will ever need to compare an old pathway with an updated pathway.***  Please send any recommended graduation pathway changes to [JumpStart@la.gov](mailto:JumpStart@la.gov) using the subject line: *Recommended Graduation Pathway Change.*  The Department reserves the right to make administrative updates to Jump Start graduation pathways, including but not limited to updating course codes, correcting errors on course codes, correcting spelling errors and other similar changes.  The Department reserves the right to delete courses no longer meeting state standards. When this occurs, the Department may add a section to the graduation pathway indicating: “Courses Deleted from this Graduation Pathway.”  The Department reserves the right to make changes on credentialing requirements based on guidance provided by the Jump Start Graduation Pathways Review Panel. (Please see the *All Things Jump Start* web portal for information about this Panel.) The Department will also maintain contact with certifying agencies and the Workforce Investment Council (WIC) to update the Statewide, Core and Complementary credentials indicated in each graduation pathway.  ***Louisiana educators can seek assistance with Jump Start graduation pathways at any time by emailing their questions to*** [***JumpStart@la.gov***](mailto:JumpStart@la.gov) |