

# Automobile Service

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| <b>Statewide Pathway</b> | <p>The Automobile Service graduation pathway is a Statewide pathway. Students must:</p> <ol style="list-style-type: none"> <li>1) pass 9 Carnegie credits of courses from this pathway;</li> <li>2) including at least one Career Readiness course (one Carnegie credit); and</li> <li>3) attain one statewide credential (or the LCTCS equivalent certificate / diploma).</li> </ol> |
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| <b>High-Demand Careers Related to this Pathway</b> | <p>5 Star: First Line Supervisors of Mechanics, Installers, and Repairers,<br/>                 4 Star: Automotive Service Technicians and Mechanics, Bus and Truck Mechanics and Diesel Engine Specialists</p> |
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| <b>Starting Salary Ranges for this Pathway</b> | \$21,000 - \$36,000 |
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| <b>Automobile Service Graduation Pathway: Sections</b> |                                     |   |
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| 1  | <b>Pathway-Specific Courses</b>     | <p>This section lists the course titles and codes for courses specific to this pathway</p> <p>Each table also indicates those courses that qualify for the basic 6% CTE adder (<i>course codes beginning with "01", "04", "07", "08", "09", "10", "11" or "31" are CTE courses</i>) as well as those courses that qualify for the additional 6% Career Development Fund (or CDF) payment.</p> |
| 2  | <b>Universal Jump Start Courses</b> | This section lists the course titles and course codes for courses that are part of every Jump Start graduation pathway  |
| 3  | <b>Career Readiness Courses</b>     | 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  | <b>Internships</b>                  | This section indicates the three types of internships and the appropriate course codes.   |
| 5  | <b>Culminating Credentials</b>      | This section indicates the required culminating credential(s) for this pathway.   |
| 6  | <b>Sample Schedule</b>              | 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.  |

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| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

## 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)***

## 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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|----------------|---------------------------|
| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

| <b>Pathway-Specific Courses: Automobile Service</b>         |             |                  |        |        |
|---|-------------|------------------|--------|--------|
| Course Title  | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| AGRISCIENCE I   | 010301      | 1                | ✓      |        |
| AGRISCIENCE II  | 010302      | 1                | ✓      |        |
| AGRISCIENCE III   | 010303      | 1                | ✓      | ✓      |
| AGRISCIENCE IV  | 010304      | 1                | ✓      |        |
| COOPERATIVE AGRISCIENCE EDUCATION I (3 CREDITS)             | 010323      | 3                | ✓      |        |
| COOPERATIVE AGRISCIENCE EDUCATION II (3 CREDITS)            | 010325      | 3                | ✓      |        |
| Career Readiness Agriscience Agribusiness Natural Resources | 010331      | 1                | ✓      |        |
| AGRISCIENCE-CONSTRUCTION (1/2 CREDIT)                       | 010344      | 1/2              | ✓      |        |
| AGRISCIENCE-LEADERSHIP DEVELOPMENT (1/2 CREDIT)             | 010354      | 1/2              | ✓      |        |
| AG LEADERSHIP (1 CREDIT)                                    | 010364      | 1                | ✓      |        |
| AG CONST. TECH (1 CREDIT)                                   | 010444      | 1                | ✓      |        |
| AG POWER EQUIPMENT (1 CREDIT)                               | 010446      | 1                | ✓      |        |
| NCCER CARPENTRY IN AGRISCIENCE (1 CREDIT)                   | 010601      | 1                | ✓      | ✓      |
| NCCER CARPENTRY IN AGRISCIENCE (2 CREDITS)                  | 010602      | 2                | ✓      | ✓      |
| NCCER CARPENTRY IN AGRISCIENCE (3 CREDITS)                  | 010603      | 3                | ✓      | ✓      |
| NCCER Carpentry in Agriscience II (1 credit)                | 010604      | 1                | ✓      | ✓      |
| NCCER Carpentry in Agriscience II (2 credit)                | 010605      | 2                | ✓      | ✓      |
| NCCER Carpentry in Agriscience II (3 credit)                | 010606      | 3                | ✓      | ✓      |
| NCCER Carpentry in Agriscience III (1 credit)               | 010607      | 1                | ✓      | ✓      |
| NCCER Carpentry in Agriscience III (2 credit)               | 010608      | 2                | ✓      | ✓      |

| Pathway | Automobile Service |  |  |  |
|---------|--------------------|--|--|--|
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| NCCER Carpentry in Agriscience III (3 credit)  | 010609 | 3 | ✓ | ✓ |
| NCCER Carpentry in Agriscience IV (1 credit)   | 010610 | 1 | ✓ | ✓ |
| NCCER Carpentry in Agriscience IV (2 credit)   | 010611 | 2 | ✓ | ✓ |
| NCCER Carpentry in Agriscience IV (3 credit)   | 010612 | 3 | ✓ | ✓ |
| NCCER ELECTRICAL IN AGRISCIENCE (1 CREDIT)     | 010701 | 1 | ✓ | ✓ |
| NCCER ELECTRICAL IN AGRISCIENCE (2 CREDITS)    | 010702 | 2 | ✓ | ✓ |
| NCCER ELECTRICAL IN AGRISCIENCE (3 CREDITS)    | 010703 | 3 | ✓ | ✓ |
| NCCER Electrical in Agriscience II (1CR)       | 010704 | 1 | ✓ | ✓ |
| NCCER Electrical in Agriscience II (2CR)       | 010705 | 2 | ✓ | ✓ |
| NCCER Electrical in Agriscience II (3CR)       | 010706 | 3 | ✓ | ✓ |
| NCCER Electrical in Agriscience III (1CR)      | 010707 | 1 | ✓ | ✓ |
| NCCER Electrical in Agriscience III (2CR)      | 010708 | 2 | ✓ | ✓ |
| NCCER Electrical in Agriscience III (3CR)      | 010709 | 3 | ✓ | ✓ |
| NCCER Electrical in Agriscience IV (1 CR)      | 010710 | 1 | ✓ | ✓ |
| NCCER Electrical in Agriscience IV (2 CR)      | 010711 | 2 | ✓ | ✓ |
| NCCER Electrical in Agriscience IV (3 CR)      | 010712 | 3 | ✓ | ✓ |
| NCCER PIPEFITTING IN AGRISCIENCE (1 CREDIT)    | 010801 | 1 | ✓ | ✓ |
| NCCER PIPEFITTING IN AGRISCIENCE (2 CREDITS)   | 010802 | 2 | ✓ | ✓ |
| NCCER PIPEFITTING IN AGRISCIENCE (3 CREDITS)   | 010803 | 3 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience II (1 credit) | 010804 | 1 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience II (2 credit) | 010805 | 2 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience II (3 credit) | 010806 | 3 | ✓ | ✓ |

| Pathway   | Automobile Service |   |   |   |
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| NCCER Pipefitting in Agriscience III (1 credit)                 | 010807             | 1 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience III (2 credit)                 | 010808             | 2 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience III (3 credit)                 | 010809             | 3 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience IV (1 credit)                  | 010810             | 1 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience IV (2 credit)                  | 010811             | 2 | ✓ | ✓ |
| NCCER Pipefitting in Agriscience IV (3 credit)                  | 010812             | 3 | ✓ | ✓ |
| NCCER WELDING IN AGRISCIENCE (1 CREDIT)                         | 010901             | 1 | ✓ | ✓ |
| NCCER WELDING IN AGRISCIENCE (2 CREDITS)                        | 010902             | 2 | ✓ | ✓ |
| NCCER WELDING IN AGRISCIENCE (3 CREDITS)                        | 010903             | 3 | ✓ | ✓ |
| NCCER Welding in Agriscience II (1 credit)                      | 010904             | 1 | ✓ | ✓ |
| NCCER Welding in Agriscience II (2 credits)                     | 010905             | 2 | ✓ | ✓ |
| NCCER Welding in Agriscience II (3 credits)                     | 010906             | 3 | ✓ | ✓ |
| NCCER Welding in Agriscience III (1 credit)                     | 010907             | 1 | ✓ | ✓ |
| NCCER Welding in Agriscience III (2 credits)                    | 010908             | 2 | ✓ | ✓ |
| NCCER Welding in Agriscience III (3 credits)                    | 010909             | 3 | ✓ | ✓ |
| NCCER Welding in Agriscience IV (1 credit)                      | 010910             | 1 | ✓ | ✓ |
| NCCER Welding in Agriscience IV (2 credits)                     | 010911             | 2 | ✓ | ✓ |
| NCCER Welding in Agriscience IV (3 credits)                     | 010912             | 3 | ✓ | ✓ |
| Introduction to Manufacturing C4M in Agriscience I (1 Credit)   | 010913             | 1 | ✓ | ✓ |
| Introduction to Manufacturing C4M in Agriscience I (2 Credits)  | 010914             | 2 | ✓ | ✓ |
| Introduction to Manufacturing C4M in Agriscience I (3 Credits)  | 010915             | 3 | ✓ | ✓ |
| Manufacturing Tools and Equipment C4M in Agriscience (1 Credit) | 010916             | 1 | ✓ | ✓ |

| Pathway | Automobile Service |  |  |  |
|---------|--------------------|--|--|--|
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| Manufacturing Tools and Equipment C4M in Agriscience (2 Credits)                  | 010917 | 2 | ✓ | ✓ |
| Manufacturing Tools and Equipment C4M in Agriscience (3 Credits)                  | 010918 | 3 | ✓ | ✓ |
| Automation in Manufacturing C4M in Agriscience (1 Credit)                         | 010919 | 1 | ✓ | ✓ |
| Automation in Manufacturing C4M in Agriscience (2 Credits)                        | 010920 | 2 | ✓ | ✓ |
| Automation in Manufacturing C4M in Agriscience (3 Credits)                        | 010921 | 3 | ✓ | ✓ |
| Introduction to Fabrication, P-Tech, and Machining C4M in Agriscience (1 Credit)  | 010922 | 1 | ✓ | ✓ |
| Introduction to Fabrication, P-Tech, and Machining C4M in Agriscience (2 Credits) | 010923 | 2 | ✓ | ✓ |
| Introduction to Fabrication, P-Tech, and Machining C4M in Agriscience (3 Credits) | 010924 | 3 | ✓ | ✓ |
| Fundamentals of Machining C4Machining in Agriscience (1 Credit)                   | 010925 | 1 | ✓ | ✓ |
| Fundamentals of Machining C4Machining in Agriscience (2 Credits)                  | 010926 | 2 | ✓ | ✓ |
| Fundamentals of Machining C4Machining in Agriscience (3 Credits)                  | 010927 | 3 | ✓ | ✓ |
| Machining Tools and Equipment C4Machining in Agriscience (1 Credit)               | 010928 | 1 | ✓ | ✓ |
| Machining Tools and Equipment C4Machining in Agriscience (2 Credits)              | 010929 | 2 | ✓ | ✓ |
| Machining Tools and Equipment C4Machining in Agriscience (3 Credits)              | 010930 | 3 | ✓ | ✓ |
| Manual Machining C4Machining in Agriscience (1 Credit)                            | 010931 | 1 | ✓ | ✓ |
| Manual Machining C4Machining in Agriscience (2 Credits)                           | 010932 | 2 | ✓ | ✓ |
| Manual Machining C4Machining in Agriscience (3 Credits)                           | 010933 | 3 | ✓ | ✓ |
| Computerized Numerical Control (CNC) Machining C4Machining in Agriscience (1 cr)  | 010934 | 1 | ✓ | ✓ |
| Computerized Numerical Control (CNC) Machining C4Machining in Agriscience (2 cr)  | 010935 | 2 | ✓ | ✓ |

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| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
|----------------|---------------------------|--|--|--|

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| Computerized Numerical Control (CNC) Machining C4Machining in Agriscience (3 cr) | 010936 | 3   | ✓ | ✓ |
| THEATRE DESIGN AND TECHNOLOGY  | 030702 | 1   |   |   |
| ACCOUNTING I   | 040101 | 1   | ✓ | ✓ |
| ACCOUNTING II  | 040104 | 1   | ✓ | ✓ |
| ENTREPRENEURSHIP (BUSINESS)  | 040110 | 1   | ✓ |   |
| WORD PROCESSING  | 040203 | 1   | ✓ |   |
| COOPERATIVE OFFICE EDUCATION (3 CREDITS)   | 040205 | 3   | ✓ |   |
| COMPUTER TECHNOLOGY LITERACY   | 040220 | 1   | ✓ |   |
| KEYBOARDING (1/2 CREDIT)   | 040225 | 1/2 | ✓ |   |
| KEYBOARDING APPLICATIONS (1/2 CREDIT)  | 040226 | 1/2 | ✓ |   |
| Keyboarding  | 040229 | 1   | ✓ |   |
| BUSINESS LAW   | 040303 | 1   | ✓ |   |
| BUSINESS COMMUNICATIONS  | 040305 | 1   | ✓ |   |
| PRINCIPLES OF BUSINESS   | 040306 | 1   | ✓ |   |
| Business Math  | 040307 | 1   | ✓ |   |
| BUSINESS COMPUTER APPLICATIONS   | 040400 | 1   | ✓ |   |
| INTRODUCTION TO BUSINESS COMPUTER APPLICATIONS                                   | 040401 | 1   | ✓ |   |
| CUSTOMER SERVICE (1 CREDIT)  | 041001 | 1   | ✓ |   |
| COOPERATIVE MARKETING EDUCATION I (3 CREDITS)                                    | 041010 | 3   | ✓ |   |
| COOPERATIVE MARKETING EDUCATION II (3 CREDITS)                                   | 041011 | 3   | ✓ |   |
| PERSONAL FINANCE   | 041022 | 1   | ✓ |   |
| PRINCIPLES OF MARKETING I  | 041025 | 1   | ✓ |   |

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| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
|----------------|---------------------------|--|--|--|

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| PRINCIPLES OF MARKETING II                                  | 041026 | 1   | ✓ |   |
| ENTREPRENEURSHIP (MARKETING)                                | 041040 | 1   | ✓ |   |
| ENTREPRENEURSHIP II - Advanced Micro-Enterprise Credentials | 041041 | 1   | ✓ | ✓ |
| JOBS FOR AMERICA'S GRADUATES 1                              | 042010 | 1   | ✓ | ✓ |
| JOBS FOR AMERICA'S GRADUATES 2                              | 042020 | 1   | ✓ | ✓ |
| JOBS FOR AMERICA'S GRADUATES 3                              | 042030 | 1   | ✓ | ✓ |
| JOBS FOR AMERICA'S GRADUATES 4                              | 042040 | 1   | ✓ | ✓ |
| SPEECH I  | 051101 | 1   |   |   |
| SPEECH II   | 051102 | 1   |   |   |
| ENGINEERING DESIGN I (1 CREDIT)                             | 080110 | 1   | ✓ |   |
| Engineering Design I (2 Credits)                            | 080111 | 2   | ✓ |   |
| Engineering Design I (3 Credits)                            | 080112 | 3   | ✓ |   |
| ENGINEERING DESIGN II (1 CREDIT)                            | 080120 | 1   | ✓ |   |
| Engineering Design II (2 Credits)                           | 080121 | 2   | ✓ |   |
| Engineering Design II (3 Credits)                           | 080122 | 3   | ✓ |   |
| CDF-Qualifying CTE Internship I (2 CREDITS)                 | 080200 | 2   | ✓ | ✓ |
| CDF-Qualifying CTE Internship II (2 CREDITS)                | 080201 | 2   | ✓ | ✓ |
| CDF-Qualifying CTE Internship I (1 CREDIT)                  | 080202 | 1   | ✓ | ✓ |
| CDF-Qualifying CTE Internship II (1 CREDIT)                 | 080203 | 1   | ✓ | ✓ |
| Virtual Workplace Experience I (1/2 credit)                 | 080204 | 1/2 | ✓ |   |
| Virtual Workplace Experience I (1 credit)                   | 080205 | 1   | ✓ |   |
| Virtual Workplace Experience II (1/2 credit)                | 080206 | 1/2 | ✓ |   |



| Pathway   | Automobile Service |     |   |   |
|---|--------------------|-----|---|---|
| Virtual Workplace Experience II (1 credit)        | 080207             | 1   | ✓ |   |
| Pre-Apprenticeship I (2 Credits)                  | 080208             | 2   | ✓ |   |
| Pre-Apprenticeship II (2 Credits)                 | 080209             | 2   | ✓ |   |
| Pre-Apprenticeship I (1 Credit)                   | 080210             | 1   | ✓ |   |
| Pre-Apprenticeship II (1 Credit)                  | 080211             | 1   | ✓ |   |
| Authentic Workplace Experience I (1 Credit)       | 080212             | 1   | ✓ |   |
| CDF-QUALIFYING PRE-APPRENTICESHIP I (1 CREDIT)    | 080230             | 1   | ✓ | ✓ |
| CDF-QUALIFYING PRE-APPRENTICESHIP I (2 CREDITS)   | 080231             | 2   | ✓ | ✓ |
| CDF-QUALIFYING PRE-APPRENTICESHIP II (1 CREDIT)   | 080233             | 1   | ✓ | ✓ |
| CDF-QUALIFYING PRE-APPRENTICESHIP II (2 CREDITS)  | 080234             | 2   | ✓ | ✓ |
| CDF-QUALIFYING PRE-APPRENTICESHIP III (1 CREDIT)  | 080236             | 1   | ✓ | ✓ |
| CDF-QUALIFYING PRE-APPRENTICESHIP III (2 CREDITS) | 080237             | 2   | ✓ | ✓ |
| CDF-QUALIFYING PRE-APPRENTICESHIP IV (1 CREDIT)   | 080239             | 1   | ✓ | ✓ |
| CDF-QUALIFYING PRE-APPRENTICESHIP IV (2 CREDITS)  | 080240             | 2   | ✓ | ✓ |
| GENERAL COOPERATIVE EDUCATION I (3 CREDITS)       | 080300             | 3   | ✓ |   |
| GENERAL COOPERATIVE EDUCATION II (3 CREDITS)      | 080301             | 3   | ✓ |   |
| EDUCATION FOR CAREERS (1/2 CREDIT)                | 080400             | 1/2 | ✓ |   |
| EDUCATION FOR CAREERS (1CREDIT)                   | 080401             | 1   | ✓ |   |
| JOURNEY TO CAREERS PART I (1/2 CREDIT)            | 080402             | 1/2 | ✓ |   |
| JOURNEY TO CAREERS (1 CREDIT)                     | 080403             | 1   | ✓ |   |
| JOURNEY TO CAREERS PART II (1/2 CREDIT)           | 080404             | 1/2 | ✓ |   |
| EDUCATION FOR CAREERS PART I (1/2 CREDIT)         | 080405             | 1/2 | ✓ |   |

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|----------------|---------------------------|--|--|--|
| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
|----------------|---------------------------|--|--|--|

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| EDUCATION FOR CAREERS PART II (1/2 CREDIT)                 | 080406 | 1/2 | ✓ |  |
| Career Success Skills                                      | 080407 | 1   | ✓ |  |
| Basic/Initial Career Readiness                             | 080409 | 1   | ✓ |  |
| Advanced Career Readiness                                  | 080410 | 1   | ✓ |  |
| ETHICS IN BUSINESS (1/2 CREDIT)                            | 080640 | 1/2 | ✓ |  |
| INSURANCE (1/2 CREDIT)                                     | 080650 | 1/2 | ✓ |  |
| BUSINESS IN A GLOBAL ECONOMY (1/2 CREDIT)                  | 080660 | 1/2 | ✓ |  |
| PRINCIPLES OF FINANCE (1/2 CREDIT)                         | 080670 | 1/2 | ✓ |  |
| (NAF) ENTREPRENEURSHIP (1/2 CREDIT)                        | 080685 | 1/2 | ✓ |  |
| MANAGERIAL ACCOUNTING (1/2 CREDIT)                         | 080691 | 1/2 | ✓ |  |
| CUSTOMER SERVICE (1/2 CREDIT)                              | 080720 | 1/2 | ✓ |  |
| ASSISTIVE TECHNOLOGY FOR THE VISUALLY IMPAIRED (1 CREDIT)  | 080900 | 1   | ✓ |  |
| BUSINESS ENTERPRISES FOR THE VISUALLY IMPAIRED (1 CREDIT)  | 080901 | 1   | ✓ |  |
| BRAILLE I (1 CREDIT)                                       | 080902 | 1   | ✓ |  |
| BRAILLE II (1 CREDIT)                                      | 080903 | 1   | ✓ |  |
| COOPERATIVE HEALTH OCCUPATIONS (3 CREDITS)                 | 090004 | 3   | ✓ |  |
| FIRST RESPONDER / EMERGENCY MEDICAL RESPONDER (1/2 CREDIT) | 090710 | 1/2 | ✓ |  |
| FIRST RESPONDER / EMERGENCY MEDICAL RESPONDER (1 CREDIT)   | 090711 | 1   | ✓ |  |
| FIRST RESPONDER / EMERGENCY MEDICAL RESPONDER (2 CREDITS)  | 090712 | 2   | ✓ |  |
| COOPERATIVE FAMILY AND CONSUMER SCIENCES (3 CREDITS)       | 100800 | 3   | ✓ |  |
| MATERIALS AND PROCESSES                                    | 110005 | 1   | ✓ |  |
| GENERAL TECHNOLOGY EDUCATION                               | 110010 | 1   | ✓ |  |

| Pathway  | Automobile Service |   |   |   |
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| MARINE ENGINEERING (1 CREDIT)                                    | 110020             | 1 | ✓ |   |
| COOPERATIVE TECHNOLOGY EDUCATION (3 CREDITS)                     | 110098             | 3 | ✓ |   |
| BASIC WOOD TECHNOLOGY  | 110100             | 1 | ✓ |   |
| NCCER CONSTRUCTION TECHNOLOGY                                    | 110110             | 1 | ✓ | ✓ |
| ADVANCED WOOD TECHNOLOGY   | 110120             | 1 | ✓ |   |
| BASIC METAL TECHNOLOGY I   | 110200             | 1 | ✓ |   |
| WELDING TECHNOLOGY   | 110230             | 1 | ✓ |   |
| Grinder Assistant  | 110231             | 1 | ✓ |   |
| Rod Identifier/Runner  | 110232             | 1 | ✓ |   |
| ADVANCED METAL TECHNOLOGY  | 110240             | 1 | ✓ |   |
| MANUFACTURING TECHNOLOGY   | 110250             | 1 | ✓ |   |
| INTRODUCTION TO MANUFACTURING C4M                                | 110256             | 1 | ✓ | ✓ |
| MANUFACTURING TOOLS AND EQUIPMENT C4M (1 CREDIT)                 | 110257             | 1 | ✓ | ✓ |
| AUTOMATION IN MANUFACTURING C4M (1 CREDIT)                       | 110258             | 1 | ✓ | ✓ |
| INTRODUCTION TO FABRICATION, P-TECH AND MACHINING C4M (1 CREDIT) | 110259             | 1 | ✓ | ✓ |
| INTRODUCTION TO MANUFACTURING C4M (2 CREDITS)                    | 110260             | 2 | ✓ | ✓ |
| INTRODUCTION TO MANUFACTURING C4M (3 CREDITS)                    | 110261             | 3 | ✓ | ✓ |
| MANUFACTURING TOOLS AND EQUIPMENT C4M (2 CREDITS)                | 110262             | 2 | ✓ | ✓ |
| MANUFACTURING TOOLS AND EQUIPMENT C4M (3 CREDITS)                | 110263             | 3 | ✓ | ✓ |
| AUTOMATION IN MANUFACTURING C4M (2 CREDITS)                      | 110264             | 2 | ✓ | ✓ |
| AUTOMATION IN MANUFACTURING C4M (3 CREDITS)                      | 110265             | 3 | ✓ | ✓ |

| Pathway   | Automobile Service |     |   |   |
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| INTRODUCTION TO FABRICATION, P-TECH AND MACHINING C4M (2 CREDITS) | 110266             | 2   | ✓ | ✓ |
| INTRODUCTION TO FABRICATION, P-TECH AND MACHINING C4M (3 CREDITS) | 110267             | 3   | ✓ | ✓ |
| FUNDAMENTALS OF MACHINING C4MACHINING (1 CREDIT)                  | 110268             | 1   | ✓ | ✓ |
| FUNDAMENTALS OF MACHINING C4MACHINING (2 CREDITS)                 | 110269             | 2   | ✓ | ✓ |
| FUNDAMENTALS OF MACHINING C4MACHINING (3 CREDITS)                 | 110270             | 3   | ✓ | ✓ |
| MACHINING TOOLS AND EQUIPMENT C4MACHINING (1 CREDIT)              | 110271             | 1   | ✓ | ✓ |
| MACHINING TOOLS AND EQUIPMENT C4MACHINING (2 CREDITS)             | 110272             | 2   | ✓ | ✓ |
| MACHINING TOOLS AND EQUIPMENT C4MACHINING (3 CREDITS)             | 110273             | 3   | ✓ | ✓ |
| MANUAL MACHINING C4MACHINING (1 CREDIT)                           | 110274             | 1   | ✓ | ✓ |
| MANUAL MACHINING C4MACHINING (2 CREDITS)                          | 110275             | 2   | ✓ | ✓ |
| MANUAL MACHINING C4MACHINING (3 CREDITS)                          | 110276             | 3   | ✓ | ✓ |
| COMPUTERIZED NUMERICAL CONTROL (CNC) MACHINING C4MACHINING (1 CR) | 110277             | 1   | ✓ | ✓ |
| COMPUTERIZED NUMERICAL CONTROL (CNC) MACHINING C4MACHINING (2 CR) | 110278             | 2   | ✓ | ✓ |
| COMPUTERIZED NUMERICAL CONTROL (CNC) MACHINING C4MACHINING (3 CR) | 110279             | 3   | ✓ | ✓ |
| TECHNOLOGY EDUCATION ELECTIVE II (1/2 CREDIT)                     | 110299             | 1/2 | ✓ |   |
| ENERGY, POWER AND TRANSPORTATION TECHNOLOGY                       | 110310             | 1   | ✓ |   |
| POWER MECHANICS   | 110330             | 1   | ✓ |   |
| Fluid Mechanics   | 110331             | 1   | ✓ |   |
| TECHNOLOGY EDUCATION ELECTIVE II (1 CREDIT)                       | 110399             | 1   | ✓ |   |

| Pathway | Automobile Service |  |  |  |
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|--|--------|---|---|---|
| TECHNOLOGY EDUCATION ELECTIVE II (2 CREDITS) | 110400 | 2 | ✓ |   |
| TECHNOLOGY EDUCATION ELECTIVE II (3 CREDITS) | 110401 | 3 | ✓ |   |
| CTE Internship I (1 credit; Non-CDF)         | 110402 | 1 | ✓ |   |
| CTE Internship I (2 credits; Non-CDF)        | 110403 | 2 | ✓ |   |
| CTE Internship II (1 credit; Non-CDF)        | 110404 | 1 | ✓ |   |
| CTE Internship II (2 credits; Non-CDF)       | 110405 | 2 | ✓ |   |
| COMMUNICATION TECHNOLOGY                     | 110540 | 1 | ✓ |   |
| BASIC TECHNICAL DRAFTING                     | 110560 | 1 | ✓ |   |
| CMAD Drafting                                | 110570 | 1 | ✓ | ✓ |
| CMAD Drafting (2 credit)                     | 110571 | 2 | ✓ | ✓ |
| CMAD Drafting (3 credit)                     | 110572 | 3 | ✓ | ✓ |
| ARCHITECTURAL DRAFTING                       | 110580 | 1 | ✓ |   |
| ADVANCED TECHNICAL DRAFTING                  | 110590 | 1 | ✓ |   |
| BASIC ELECTRICITY/ELECTRONICS                | 110600 | 1 | ✓ |   |
| ADVANCED ELECTRICITY/ELECTRONICS             | 110610 | 1 | ✓ |   |
| NCCER Carpentry III (1 credit)               | 110700 | 1 | ✓ | ✓ |
| NCCER CARPENTRY I (1 CREDIT)                 | 110701 | 1 | ✓ | ✓ |
| NCCER CARPENTRY I (2 CREDITS)                | 110702 | 2 | ✓ | ✓ |
| NCCER CARPENTRY I (3 CREDITS)                | 110703 | 3 | ✓ | ✓ |
| NCCER Carpentry III (2 credits)              | 110704 | 2 | ✓ | ✓ |
| NCCER Carpentry III (3 credits)              | 110705 | 3 | ✓ | ✓ |
| NCCER CARPENTRY II (1 CREDIT)                | 110706 | 1 | ✓ | ✓ |

| Pathway | Automobile Service |  |  |  |
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|---|--------|---|---|---|
| NCCER CARPENTRY II (2 CREDITS)                        | 110707 | 2 | ✓ | ✓ |
| NCCER CARPENTRY II (3 CREDITS)                        | 110708 | 3 | ✓ | ✓ |
| NCCER Carpentry IV (1 credit)                         | 110709 | 1 | ✓ | ✓ |
| NCCER Carpentry IV (2 credits)                        | 110710 | 2 | ✓ | ✓ |
| NCCER ELECTRICAL I (1 CREDIT)                         | 110711 | 1 | ✓ | ✓ |
| NCCER ELECTRICAL I (2 CREDITS)                        | 110712 | 2 | ✓ | ✓ |
| NCCER ELECTRICAL I (3 CREDITS)                        | 110713 | 3 | ✓ | ✓ |
| NCCER Carpentry IV (3 credits)                        | 110714 | 3 | ✓ | ✓ |
| NCCER ELECTRICAL II (1 CREDIT)                        | 110716 | 1 | ✓ | ✓ |
| NCCER ELECTRICAL II (2 CREDITS)                       | 110717 | 2 | ✓ | ✓ |
| NCCER ELECTRICAL II (3 CREDITS)                       | 110718 | 3 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC I (1 CREDIT)   | 110721 | 1 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC I (2 CREDITS)  | 110722 | 2 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC I (3 CREDITS)  | 110723 | 3 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC II (1 CREDIT)  | 110726 | 1 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC II (2 CREDITS) | 110727 | 2 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC II (3 CREDITS) | 110728 | 3 | ✓ | ✓ |
| NCCER PIPEFITTER I (1 CREDIT)                         | 110731 | 1 | ✓ | ✓ |
| NCCER PIPEFITTER I (2 CREDITS)                        | 110732 | 2 | ✓ | ✓ |
| NCCER PIPEFITTER I (3 CREDITS)                        | 110733 | 3 | ✓ | ✓ |
| NCCER PIPEFITTER II (1 CREDIT)                        | 110736 | 1 | ✓ | ✓ |
| NCCER PIPEFITTER II (2 CREDITS)                       | 110737 | 2 | ✓ | ✓ |

| Pathway   | Automobile Service |     |   |   |
|---|--------------------|-----|---|---|
| NCCER PIPEFITTER II (3 CREDITS)                   | 110738             | 3   | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY I (1 CREDIT)             | 110741             | 1   | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY I (2 CREDITS)            | 110742             | 2   | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY I (3 CREDITS)            | 110743             | 3   | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY II (1 CREDIT)            | 110746             | 1   | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY II (2 CREDITS)           | 110747             | 2   | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY II (3 CREDITS)           | 110748             | 3   | ✓ | ✓ |
| INTRODUCTION TO ENGINEERING DESIGN I (1/2 CREDIT) | 110799             | 1/2 | ✓ |   |
| INTRODUCTION TO ENGINEERING DESIGN (1 CREDIT)     | 110800             | 1   | ✓ |   |
| PRINCIPLES OF ENGINEERING (1 CREDIT)              | 110810             | 1   | ✓ |   |
| PRINCIPLES OF ENGINEERING (2 CREDITS)             | 110811             | 2   | ✓ |   |
| DIGITAL ELECTRONICS (1 CREDIT)                    | 110820             | 1   | ✓ |   |
| AEROSPACE ENGINEERING (1 CREDIT)                  | 110830             | 1   | ✓ |   |
| CIVIL ENGINEERING & ARCHITECTURE (1 CREDIT)       | 110840             | 1   | ✓ |   |
| COMPUTER INTEGRATED MANUFACTURING (1 CREDIT)      | 110850             | 1   | ✓ |   |
| ENGINEERING DESIGN AND DEVELOPMENT (1 CREDIT)     | 110860             | 1   | ✓ |   |
| PHYSICS OF TECHNOLOGY I (VOCATIONAL)              | 110900             | 1   | ✓ |   |
| PHYSICS OF TECHNOLOGY II (VOCATIONAL)             | 110910             | 1   | ✓ |   |
| PROCESS TECHNICIAN I (1 credit)                   | 110911             | 1   | ✓ | ✓ |
| PROCESS TECHNICIAN II (1 credit)                  | 110912             | 1   | ✓ | ✓ |
| Process Technician I (2 credits)                  | 110913             | 2   | ✓ | ✓ |
| Process Technician I (3 credits)                  | 110914             | 3   | ✓ | ✓ |

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| <b>Pathway</b> | <b>Automobile Service</b> |
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|---|--------|---|---|---|
| Process Instrumentation I                               | 110915 | 1 | ✓ |   |
| Process Instrumentation II                              | 110916 | 1 | ✓ |   |
| Process Technician II (2 credits)                       | 110917 | 2 | ✓ | ✓ |
| Process Technician II (3 credits)                       | 110918 | 3 | ✓ | ✓ |
| Process Technician III (1 credit)                       | 110919 | 1 | ✓ | ✓ |
| Process Technician III (2 credits)                      | 110920 | 2 | ✓ | ✓ |
| Process Technician III (3 credits)                      | 110921 | 3 | ✓ | ✓ |
| Process Technology I: Equipment                         | 110922 | 1 | ✓ |   |
| Process Technology II: Unit Systems                     | 110923 | 1 | ✓ |   |
| Process Technology III: Operations                      | 110924 | 1 | ✓ |   |
| OIL AND GAS PRODUCTION OPERATIONS (1 CREDIT)            | 110955 | 1 | ✓ | ✓ |
| T2 SAFETY SYSTEMS FOR OIL AND GAS PRODUCTION (1 CREDIT) | 110956 | 1 | ✓ | ✓ |
| OIL PATCH PREPARATION SYSTEM                            | 110957 | 1 | ✓ | ✓ |
| TECHNICAL WRITING                                       | 120350 | 1 |   |   |
| AMERICAN SIGN LANGUAGE I                                | 123456 | 1 |   |   |
| AMERICAN SIGN LANGUAGE II                               | 123457 | 1 |   |   |
| TECHNICAL READING and WRITING                           | 125010 | 1 |   |   |
| BUSINESS COMMUNICATIONS                                 | 125030 | 1 |   |   |
| ENVIRONMENTAL SCIENCE                                   | 150310 | 1 |   |   |
| CHEMISTRY   | 150401 | 1 |   |   |
| FIRST ROBOTICS I (1 CREDIT)                             | 150740 | 1 |   |   |
| FIRST ROBOTICS II (1 CREDIT)                            | 150750 | 1 |   |   |
| FIRST ROBOTICS III (1 CREDIT)                           | 150760 | 1 |   |   |



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| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
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|--|--------|---|---|---|
| FIRST ROBOTICS IV (1 CREDIT)                   | 150770 | 1 |   |   |
| GEOMETRY                                       | 160323 | 1 |   |   |
| FINANCIAL LITERACY (formerly Financial Math)   | 160345 | 1 |   |   |
| TECHNICAL MATH                                 | 165010 | 1 |   |   |
| JR. ROTC III                                   | 170003 | 1 |   |   |
| JR. ROTC IV                                    | 170004 | 1 |   |   |
| LAW STUDIES                                    | 220506 | 1 |   |   |
| AIR CONDITIONING/REFRIGERATION I (1 CREDIT)    | 310100 | 1 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION I (2 CREDITS)   | 310102 | 2 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION I (3 CREDITS)   | 310103 | 3 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION II (1 CREDIT)   | 310105 | 1 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION II (2 CREDITS)  | 310112 | 2 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION II (3 CREDITS)  | 310113 | 3 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION III (1 CREDIT)  | 310114 | 1 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION III (3 CREDITS) | 310115 | 2 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION III (3 CREDITS) | 310116 | 3 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION IV (1 CREDIT)   | 310117 | 1 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION IV (2 CREDITS)  | 310118 | 2 | ✓ | ✓ |
| AIR CONDITIONING/REFRIGERATION IV (3 CREDITS)  | 310119 | 3 | ✓ | ✓ |
| AUTO BODY REPAIR I (1 CREDIT)                  | 310200 | 1 | ✓ | ✓ |
| AUTO BODY REPAIR I (2 CREDITS)                 | 310202 | 2 | ✓ | ✓ |
| AUTO BODY REPAIR I (3 CREDITS)                 | 310203 | 3 | ✓ | ✓ |

| Pathway                                    | Automobile Service |   |   |   |
|--|--------------------|---|---|---|
| AUTO BODY REPAIR II (1 CREDIT)             | 310205             | 1 | ✓ | ✓ |
| AUTO BODY REPAIR II (2 CREDITS)            | 310212             | 2 | ✓ | ✓ |
| AUTO BODY REPAIR II (3 CREDITS)            | 310213             | 3 | ✓ | ✓ |
| Auto Body Repair III (1 credit)            | 310214             | 1 | ✓ | ✓ |
| Auto Body Repair III (2 credits)           | 310215             | 2 | ✓ | ✓ |
| Auto Body Repair III (3 credits)           | 310216             | 3 | ✓ | ✓ |
| Auto Body Repair IV (1 credit)             | 310217             | 1 | ✓ | ✓ |
| Auto Body Repair IV (2 credits)            | 310218             | 2 | ✓ | ✓ |
| Auto Body Repair IV (3 credits)            | 310219             | 3 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN I (1 CREDIT)         | 310300             | 1 | ✓ | ✓ |
| GENERAL AUTOMOTIVE MAINTENANCE (2 CREDITS) | 310302             | 2 | ✓ |   |
| GENERAL AUTOMOTIVE MAINTENANCE (3 CREDITS) | 310303             | 3 | ✓ |   |
| AUTOMOTIVE TECHNICIAN II (1 CREDIT)        | 310305             | 1 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN III (1 CREDIT)       | 310306             | 1 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN IV (1 CREDIT)        | 310307             | 1 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN V (1 CREDIT)         | 310308             | 1 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN VI (1 CREDIT)        | 310309             | 1 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN I (2 CREDITS)        | 310312             | 2 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN I (3 CREDITS)        | 310313             | 3 | ✓ | ✓ |
| GENERAL AUTOMOTIVE MAINTENANCE (1 CREDIT)  | 310315             | 1 | ✓ |   |
| AUTOMOTIVE TECHNICIAN II (2 CREDITS)       | 310322             | 2 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN II (3 CREDITS)       | 310323             | 3 | ✓ | ✓ |

| Pathway   | Automobile Service |   |   |   |
|---|--------------------|---|---|---|
| AUTOMOTIVE TECHNICIAN III (2 CREDITS)                   | 310332             | 2 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN III (3 CREDITS)                   | 310333             | 3 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN IV (2 CREDITS)                    | 310342             | 2 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN IV (3 CREDITS)                    | 310343             | 3 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN V (2 CREDITS)                     | 310352             | 2 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN V (3 CREDITS)                     | 310353             | 3 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN VI (2 CREDITS)                    | 310362             | 2 | ✓ | ✓ |
| AUTOMOTIVE TECHNICIAN VI (3 CREDITS)                    | 310363             | 3 | ✓ | ✓ |
| Introduction to Motor Vehicle Technology                | 310373             | 1 | ✓ |   |
| Steering and Suspension Systems                         | 310381             | 1 | ✓ |   |
| Steering and Suspension Systems Laboratory              | 310382             | 1 | ✓ |   |
| Advanced Electrical Electronics                         | 310383             | 1 | ✓ |   |
| Advanced Electrical and Electronics Laboratory          | 310384             | 1 | ✓ |   |
| Engine Performance I: Components and Systems            | 310390             | 1 | ✓ |   |
| Engine Performance I: Components and Systems Laboratory | 310391             | 1 | ✓ |   |
| Engine Diagnosis and Repair                             | 310392             | 1 | ✓ |   |
| Engine Diagnosis and Repair Laboratory                  | 310393             | 1 | ✓ |   |
| Engine Performance II: Advanced Driveability            | 310394             | 1 | ✓ |   |
| Engine Performance II Laboratory                        | 310395             | 1 | ✓ |   |
| BASIC ELECTRICITY I (1 CREDIT)                          | 310400             | 1 | ✓ |   |
| BASIC ELECTRICITY I (2 CREDITS)                         | 310402             | 2 | ✓ |   |
| BASIC ELECTRICITY I (3 CREDITS)                         | 310403             | 3 | ✓ |   |

| Pathway | Automobile Service |  |  |  |
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|-------------------------------------|--------|---|---|--|
| BASIC ELECTRICITY II (1 CREDIT)     | 310410 | 1 | ✓ |  |
| BASIC ELECTRICITY II (2 CREDITS)    | 310412 | 2 | ✓ |  |
| BASIC ELECTRICITY II (3 CREDITS)    | 310413 | 3 | ✓ |  |
| CABINET MAKING I (1 CREDIT)         | 310500 | 1 | ✓ |  |
| CABINET MAKING I (2 CREDITS)        | 310502 | 2 | ✓ |  |
| CABINET MAKING I (3 CREDITS)        | 310503 | 3 | ✓ |  |
| CABINET MAKING II (1 CREDIT)        | 310505 | 1 | ✓ |  |
| CABINET MAKING II (2 CREDITS)       | 310512 | 2 | ✓ |  |
| CABINET MAKING II (3 CREDITS)       | 310513 | 3 | ✓ |  |
| CARPENTRY I (1 CREDIT)              | 310600 | 1 | ✓ |  |
| CARPENTRY I (2 CREDITS)             | 310602 | 2 | ✓ |  |
| CARPENTRY I (3 CREDITS)             | 310603 | 3 | ✓ |  |
| CARPENTRY II (1 CREDIT)             | 310605 | 1 | ✓ |  |
| CARPENTRY II (2 CREDITS)            | 310612 | 2 | ✓ |  |
| CARPENTRY II (3 CREDITS)            | 310613 | 3 | ✓ |  |
| Building Materials and Estimating   | 310620 | 1 | ✓ |  |
| Carpentry Calculations              | 310621 | 1 | ✓ |  |
| Design, Blueprint Reading and Codes | 310622 | 1 | ✓ |  |
| Site Layout                         | 310623 | 1 | ✓ |  |
| Foundations and Floor Framing       | 310624 | 1 | ✓ |  |
| Wall and Ceiling Framing            | 310625 | 1 | ✓ |  |
| Roofing Construction                | 310626 | 1 | ✓ |  |

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| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
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|--|--------|---|---|--|
| Exterior Finishes                                  | 310627 | 1 | ✓ |  |
| Interior Finishes                                  | 310628 | 1 | ✓ |  |
| Project Management                                 | 310630 | 1 | ✓ |  |
| Fundamentals of Industrial Scaffolding (1 Credit)  | 310631 | 1 | ✓ |  |
| Fundamentals of Industrial Scaffolding (2 Credits) | 310632 | 2 | ✓ |  |
| COMPUTER ELECTRONICS I (1 CREDIT)                  | 310800 | 1 | ✓ |  |
| COMPUTER ELECTRONICS I (2 CREDITS)                 | 310802 | 2 | ✓ |  |
| COMPUTER ELECTRONICS I (3 CREDITS)                 | 310803 | 3 | ✓ |  |
| COMPUTER ELECTRONICS II (1 CREDIT)                 | 310805 | 1 | ✓ |  |
| COMPUTER ELECTRONICS II (2 CREDITS)                | 310812 | 2 | ✓ |  |
| COMPUTER ELECTRONICS II (3 CREDITS)                | 310813 | 3 | ✓ |  |
| Computer Service Technology I                      | 310818 | 1 | ✓ |  |
| Computer Service Technology II                     | 310819 | 1 | ✓ |  |
| COMPUTER SERVICE TECHNOLOGY I (2 CREDITS)          | 310820 | 2 | ✓ |  |
| COMPUTER SERVICE TECHNOLOGY I (3 CREDITS)          | 310821 | 3 | ✓ |  |
| COMPUTER SERVICE TECHNOLOGY II (2 CREDITS)         | 310822 | 2 | ✓ |  |
| COMPUTER SERVICE TECHNOLOGY II (3 CREDITS)         | 310823 | 3 | ✓ |  |
| NETWORKING BASICS (2 CREDITS)                      | 310850 | 2 | ✓ |  |
| NETWORKING BASICS (3 CREDITS)                      | 310851 | 3 | ✓ |  |
| ROUTERS AND ROUTING BASICS (2 CREDITS)             | 310852 | 2 | ✓ |  |
| ROUTERS AND ROUTING BASICS (3 CREDITS)             | 310853 | 3 | ✓ |  |
| DIESEL MECHANICS I (1 CREDIT)                      | 311200 | 1 | ✓ |  |

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| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
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|---|--------|---|---|--|
| DIESEL MECHANICS I (2 CREDITS)              | 311202 | 2 | ✓ |  |
| DIESEL MECHANICS I (3 CREDITS)              | 311203 | 3 | ✓ |  |
| DIESEL MECHANICS II (1 CREDIT)              | 311205 | 1 | ✓ |  |
| DIESEL MECHANICS II (2 CREDITS)             | 311212 | 2 | ✓ |  |
| DIESEL MECHANICS II (3 CREDITS)             | 311213 | 3 | ✓ |  |
| DRAFTING & DESIGN TECHNOLOGY I (1 CREDIT)   | 311300 | 1 | ✓ |  |
| DRAFTING & DESIGN TECHNOLOGY I (2 CREDITS)  | 311302 | 2 | ✓ |  |
| DRAFTING & DESIGN TECHNOLOGY I (3 CREDITS)  | 311303 | 3 | ✓ |  |
| DRAFTING & DESIGN TECHNOLOGY II (1 CREDIT)  | 311305 | 1 | ✓ |  |
| DRAFTING & DESIGN TECHNOLOGY II (2 CREDITS) | 311312 | 2 | ✓ |  |
| DRAFTING & DESIGN TECHNOLOGY II (3 CREDITS) | 311313 | 3 | ✓ |  |
| ELECTRICIAN I (1 CREDIT)                    | 311400 | 1 | ✓ |  |
| ELECTRICIAN I (2 CREDITS)                   | 311402 | 2 | ✓ |  |
| ELECTRICIAN I (3 CREDITS)                   | 311403 | 3 | ✓ |  |
| ELECTRICIAN II (1 CREDIT)                   | 311405 | 1 | ✓ |  |
| ELECTRICIAN II (2 CREDITS)                  | 311412 | 2 | ✓ |  |
| ELECTRICIAN II (3 CREDITS)                  | 311413 | 3 | ✓ |  |
| ELECTRONICS I (1 CREDIT)                    | 311500 | 1 | ✓ |  |
| ELECTRONICS I (2 CREDITS)                   | 311502 | 2 | ✓ |  |
| ELECTRONICS I (3 CREDITS)                   | 311503 | 3 | ✓ |  |
| ELECTRONICS II (1 CREDIT)                   | 311505 | 1 | ✓ |  |
| ELECTRONICS II (2 CREDITS)                  | 311512 | 2 | ✓ |  |

| Pathway                                  | Automobile Service |   |   |   |
|--|--------------------|---|---|---|
| ELECTRONICS II (3 CREDITS)               | 311513             | 3 | ✓ |   |
| NCCER Core                               | 311720             | 1 | ✓ | ✓ |
| INDUSTRIAL ELECTRONICS I (1 CREDIT)      | 311800             | 1 | ✓ |   |
| INDUSTRIAL ELECTRONICS I (2 CREDITS)     | 311802             | 2 | ✓ |   |
| INDUSTRIAL ELECTRONICS I (3 CREDITS)     | 311803             | 3 | ✓ |   |
| INDUSTRIAL ELECTRONICS II (1 CREDIT)     | 311805             | 1 | ✓ |   |
| INDUSTRIAL ELECTRONICS II (2 CREDITS)    | 311812             | 2 | ✓ |   |
| INDUSTRIAL ELECTRONICS II (3 CREDITS)    | 311813             | 3 | ✓ |   |
| INDUSTRIAL MACHINES SHOP I (1 CREDIT)    | 311900             | 1 | ✓ | ✓ |
| INDUSTRIAL MACHINES SHOP I (2 CREDITS)   | 311902             | 2 | ✓ | ✓ |
| INDUSTRIAL MACHINES SHOP I (3 CREDITS)   | 311903             | 3 | ✓ | ✓ |
| INDUSTRIAL MACHINES SHOP II (1 CREDIT)   | 311905             | 1 | ✓ | ✓ |
| INDUSTRIAL MACHINES SHOP II (2 CREDITS)  | 311912             | 2 | ✓ | ✓ |
| INDUSTRIAL MACHINES SHOP II (3 CREDITS)  | 311913             | 3 | ✓ | ✓ |
| GO SAFE                                  | 311914             | 1 | ✓ |   |
| Industrial Machines Shop III (1 credit)  | 311915             | 1 | ✓ | ✓ |
| Industrial Machines Shop III (2 credits) | 311916             | 2 | ✓ | ✓ |
| Industrial Machines Shop III (3 credits) | 311917             | 3 | ✓ | ✓ |
| Industrial Machines Shop IV (1 credit)   | 311918             | 1 | ✓ | ✓ |
| Industrial Machines Shop IV (2 credits)  | 311919             | 2 | ✓ | ✓ |
| Industrial Machines Shop IV (3 credits)  | 311920             | 3 | ✓ | ✓ |
| Industrial and Plant Safety              | 311921             | 1 | ✓ |   |

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| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
|----------------|---------------------------|--|--|--|

|  |        |   |   |   |
|--|--------|---|---|---|
| Introduction to Hazardous Materials                | 311922 | 1 | ✓ |   |
| Workplace Safety (1 Credit)                        | 311923 | 1 | ✓ |   |
| Workplace Safety (2 Credit)                        | 311924 | 2 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN I (1 CREDIT)    | 312300 | 1 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN I (2 CREDITS)   | 312302 | 2 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN I (3 CREDITS)   | 312303 | 3 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN II (1 CREDIT)   | 312305 | 1 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN II (2 CREDITS)  | 312312 | 2 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN II (3 CREDITS)  | 312313 | 3 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN III (1 CREDIT)  | 312320 | 1 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN III (2 CREDITS) | 312321 | 2 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN III (3 CREDITS) | 312322 | 3 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN IV (1 CREDIT)   | 312330 | 1 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN IV (2 CREDITS)  | 312331 | 2 | ✓ |   |
| OUTDOOR POWER EQUIPMENT TECHNICIAN IV (3 CREDITS)  | 312332 | 3 | ✓ |   |
| NCCER PLUMBING I (1 credit)                        | 312500 | 1 | ✓ | ✓ |
| NCCER PLUMBING I (2 credits)                       | 312502 | 2 | ✓ | ✓ |
| NCCER PLUMBING I (3 credits)                       | 312503 | 3 | ✓ | ✓ |
| NCCER PLUMBING II (1 credit)                       | 312505 | 1 | ✓ | ✓ |
| NCCER PLUMBING II (2 credits)                      | 312512 | 2 | ✓ | ✓ |
| NCCER PLUMBING II (3 credits)                      | 312513 | 3 | ✓ | ✓ |
| SHEET METAL I (1 CREDIT)                           | 312700 | 1 | ✓ |   |



| Pathway                            | Automobile Service |   |   |   |
|------------------------------------|--------------------|---|---|---|
| SHEET METAL I (2 CREDITS)          | 312702             | 2 | ✓ |   |
| SHEET METAL I (3 CREDITS)          | 312703             | 3 | ✓ |   |
| SHEET METAL II (1 CREDIT)          | 312705             | 1 | ✓ |   |
| SHEET METAL II (2 CREDITS)         | 312712             | 2 | ✓ |   |
| SHEET METAL II (3 CREDITS)         | 312713             | 3 | ✓ |   |
| AWS WELDING I (1 credit)           | 313100             | 1 | ✓ | ✓ |
| AWS WELDING I (2 credits)          | 313102             | 2 | ✓ | ✓ |
| AWS WELDING I (3 credits)          | 313103             | 3 | ✓ | ✓ |
| AWS WELDING II (1 credit)          | 313105             | 1 | ✓ | ✓ |
| AWS WELDING II (2 credits)         | 313106             | 2 | ✓ | ✓ |
| AWS WELDING II (3 credits)         | 313107             | 3 | ✓ | ✓ |
| AWS Welding III (1 credit)         | 313108             | 1 | ✓ | ✓ |
| AWS Welding III (2 credits)        | 313109             | 2 | ✓ | ✓ |
| AWS Welding III (3 credits)        | 313110             | 3 | ✓ | ✓ |
| AWS Welding IV (1 credit)          | 313111             | 1 | ✓ | ✓ |
| AWS Welding IV (2 credits)         | 313112             | 2 | ✓ | ✓ |
| AWS Welding IV (3 credits)         | 313113             | 3 | ✓ | ✓ |
| AWS WELDING I PART I (2 CREDITS)   | 313114             | 2 | ✓ | ✓ |
| AWS WELDING I PART II (2 CREDITS)  | 313115             | 2 | ✓ | ✓ |
| AWS WELDING II PART I (2 CREDITS)  | 313116             | 2 | ✓ | ✓ |
| AWS WELDING II PART II (2 CREDITS) | 313117             | 2 | ✓ | ✓ |
| Basic SMAW                         | 313120             | 1 | ✓ |   |

| Pathway | Automobile Service |  |  |  |
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|                                 |        |   |   |   |
|---------------------------------|--------|---|---|---|
| SMAW Groove Welds               | 313121 | 1 | ✓ |   |
| SMAW Pipe 2G                    | 313122 | 1 | ✓ |   |
| SMAW Pipe 5G                    | 313123 | 1 | ✓ |   |
| SMAW Pipe 6G                    | 313124 | 1 | ✓ |   |
| G.M. TECHNICIAN I (1 CREDIT)    | 313200 | 1 | ✓ |   |
| G.M. TECHNICIAN I (2 CREDITS)   | 313202 | 2 | ✓ |   |
| G.M. TECHNICIAN I (3 CREDITS)   | 313203 | 3 | ✓ |   |
| G.M. TECHNICIAN II (1 CREDIT)   | 313205 | 1 | ✓ |   |
| G.M. TECHNICIAN II (2 CREDITS)  | 313212 | 2 | ✓ |   |
| G.M. TECHNICIAN II (3 CREDITS)  | 313213 | 3 | ✓ |   |
| NCCER CARPENTRY I (1 CREDIT)    | 313300 | 1 | ✓ | ✓ |
| NCCER CARPENTRY I (2 CREDITS)   | 313302 | 2 | ✓ | ✓ |
| NCCER CARPENTRY I (3 CREDITS)   | 313303 | 3 | ✓ | ✓ |
| NCCER CARPENTRY II (1 CREDIT)   | 313305 | 1 | ✓ | ✓ |
| NCCER CARPENTRY II (2 CREDITS)  | 313312 | 2 | ✓ | ✓ |
| NCCER CARPENTRY II (3 CREDITS)  | 313313 | 3 | ✓ | ✓ |
| NCCER Carpentry III (3 credits) | 313317 | 3 | ✓ | ✓ |
| NCCER ELECTRICAL I (1 CREDIT)   | 313400 | 1 | ✓ | ✓ |
| NCCER ELECTRICAL I (2 CREDITS)  | 313402 | 2 | ✓ | ✓ |
| NCCER ELECTRICAL I (3 CREDITS)  | 313403 | 3 | ✓ | ✓ |
| NCCER ELECTRICAL II (1 CREDIT)  | 313405 | 1 | ✓ | ✓ |
| NCCER ELECTRICAL II (2 CREDITS) | 313412 | 2 | ✓ | ✓ |

| Pathway | Automobile Service |  |  |  |
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|   |        |   |   |   |
|---|--------|---|---|---|
| NCCER ELECTRICAL II (3 CREDITS)                       | 313413 | 3 | ✓ | ✓ |
| NCCER Electrical III (1 Credit)                       | 313417 | 1 | ✓ | ✓ |
| NCCER Electrical III (2 Credits)                      | 313418 | 2 | ✓ | ✓ |
| NCCER Electrical III (3 Credits)                      | 313419 | 3 | ✓ | ✓ |
| NCCER Electrical IV (1 Credit)                        | 313420 | 1 | ✓ | ✓ |
| NCCER Electrical IV (2 Credits)                       | 313421 | 2 | ✓ | ✓ |
| NCCER Electrical IV (3 Credits)                       | 313422 | 3 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC I (1 CREDIT)   | 313500 | 1 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC I (2 CREDITS)  | 313502 | 2 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC I (3 CREDITS)  | 313503 | 3 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC II (1 CREDIT)  | 313505 | 1 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC II (2 CREDITS) | 313512 | 2 | ✓ | ✓ |
| NCCER INSTRUMENTATION CONTROL MECHANIC II (3 CREDITS) | 313513 | 3 | ✓ | ✓ |
| NCCER Instrumentation Control Mechanic III            | 313517 | 1 | ✓ | ✓ |
| NCCER Instrumentation IV                              | 313520 | 1 | ✓ | ✓ |
| NCCER PIPEFITTER I (1 CREDIT)                         | 313600 | 1 | ✓ | ✓ |
| NCCER PIPEFITTER I (2 CREDITS)                        | 313602 | 2 | ✓ | ✓ |
| NCCER PIPEFITTER I (3 CREDITS)                        | 313603 | 3 | ✓ | ✓ |
| NCCER PIPEFITTER II (1 CREDIT)                        | 313605 | 1 | ✓ | ✓ |
| OLD COURSE CODE                                       | 313606 | 1 | ✓ | ✓ |
| NCCER PIPEFITTER II (2 CREDITS)                       | 313612 | 2 | ✓ | ✓ |
| NCCER PIPEFITTER II (3 CREDITS)                       | 313613 | 3 | ✓ | ✓ |

| Pathway | Automobile Service |  |  |  |
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|--|--------|---|---|---|
| NCCER PIPEFITTER III (2 CREDITS)         | 313616 | 2 | ✓ | ✓ |
| NCCER Pipefitting III                    | 313617 | 1 | ✓ | ✓ |
| NCCER PIPEFITTER IV (2 CREDITS)          | 313619 | 2 | ✓ | ✓ |
| NCCER Pipefitting IV                     | 313620 | 1 | ✓ | ✓ |
| NCCER Welding Technology III (1 credit)  | 313621 | 1 | ✓ | ✓ |
| NCCER Welding Technology III (2 credits) | 313622 | 2 | ✓ | ✓ |
| NCCER Welding Technology III (3 credits) | 313623 | 3 | ✓ | ✓ |
| NCCER Welding Technology IV (1 credit)   | 313624 | 1 | ✓ | ✓ |
| NCCER Welding Technology IV (2 credits)  | 313625 | 2 | ✓ | ✓ |
| NCCER Welding Technology IV (3 credits)  | 313626 | 3 | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY I (1 CREDIT)    | 313700 | 1 | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY I (2 CREDITS)   | 313702 | 2 | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY I (3 CREDITS)   | 313703 | 3 | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY II (1 CREDIT)   | 313705 | 1 | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY II (2 CREDITS)  | 313712 | 2 | ✓ | ✓ |
| NCCER WELDING TECHNOLOGY II (3 CREDITS)  | 313713 | 3 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL I (1 CREDIT)      | 313714 | 1 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL II (1 CREDIT)     | 313715 | 1 | ✓ | ✓ |
| NCCER Millwright III (1 CREDIT)          | 313716 | 1 | ✓ | ✓ |
| NCCER Millwright IV (1 CREDIT)           | 313717 | 1 | ✓ | ✓ |
| NCCER MOBILE CRANE LEVEL I               | 313720 | 1 | ✓ | ✓ |
| NCCER MOBILE CRANE LEVEL II              | 313721 | 1 | ✓ | ✓ |

| Pathway | Automobile Service |  |  |  |
|---------|--------------------|--|--|--|
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|   |        |   |   |   |
|---|--------|---|---|---|
| NCCER HEAVY EQUIPMENT OPERATOR LEVEL I                      | 313722 | 1 | ✓ | ✓ |
| NCCER HEAVY EQUIPMENT OPERATOR LEVEL II                     | 313723 | 1 | ✓ | ✓ |
| SAFETY AND CONSTRUCTION SKILLS: YEAR 1                      | 313724 | 1 | ✓ | ✓ |
| SAFETY AND CONSTRUCTION SKILLS: YEAR 2                      | 313725 | 1 | ✓ | ✓ |
| NCCER Construction Crafts                                   | 313726 | 1 | ✓ | ✓ |
| Quality Controls  | 313727 | 1 | ✓ | ✓ |
| NCCER INDUSTRIAL MAINTENANCE LEVEL II (1 CREDIT)            | 313729 | 1 | ✓ | ✓ |
| NCCER INDUSTRIAL MAINTENANCE ELECTRICAL & INSTRUMENTATION I | 313730 | 2 | ✓ | ✓ |
| NCCER Rigging I (1 Credit)                                  | 313731 | 1 | ✓ | ✓ |
| NCCER Rigging I (2 Credit)                                  | 313732 | 2 | ✓ | ✓ |
| NCCER Rigging I (3 Credit)                                  | 313733 | 3 | ✓ | ✓ |
| NCCER Rigging II (1 Credit)                                 | 313734 | 1 | ✓ | ✓ |
| NCCER Rigging II (2 Credit)                                 | 313735 | 2 | ✓ | ✓ |
| NCCER Rigging II (3 Credit)                                 | 313736 | 3 | ✓ | ✓ |
| NCCER Rigging III (1 Credit)                                | 313737 | 1 | ✓ | ✓ |
| NCCER Rigging III (2 Credit)                                | 313738 | 2 | ✓ | ✓ |
| NCCER Rigging III (3 Credit)                                | 313739 | 3 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL I (2 CREDITS)                        | 313740 | 2 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL I (3 CREDITS)                        | 313741 | 3 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL II (2 CREDITS)                       | 313742 | 2 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL II (3 CREDITS)                       | 313743 | 3 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL III (2 CREDITS)                      | 313744 | 2 | ✓ | ✓ |

| Pathway  | Automobile Service |   |   |   |
|--|--------------------|---|---|---|
| NCCER MILLWRIGHT LEVEL III (3 CREDITS)   | 313745             | 3 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL IV (2 CREDITS)  | 313746             | 2 | ✓ | ✓ |
| NCCER MILLWRIGHT LEVEL IV (3 CREDITS)  | 313747             | 3 | ✓ | ✓ |
| NCCER INSULATING I   | 313830             | 2 | ✓ | ✓ |
| Introduction to Logistics  | 313831             | 1 | ✓ |   |
| Transportation Management  | 313832             | 1 | ✓ |   |
| Supply Chain Management  | 313833             | 1 | ✓ |   |
| Management Information Systems   | 313834             | 1 | ✓ |   |
| Warehouse and Inventory Management   | 313835             | 1 | ✓ |   |
| Maintenance Assistant  | 313836             | 1 | ✓ |   |
| Logistics I  | 313837             | 1 | ✓ |   |
| Logistics II   | 313838             | 1 | ✓ |   |
| Logistics III  | 313839             | 1 | ✓ |   |
| Logistics IV   | 313840             | 1 | ✓ |   |
| NCCER Plumbing I (1 Credit)  | 321500             | 1 | ✓ | ✓ |
| NCCER Plumbing I (2 Credits)   | 321502             | 2 | ✓ | ✓ |
| NCCER Plumbing I (3Credits)  | 321503             | 3 | ✓ | ✓ |
| NCCER Plumbing II (1 Credit)   | 321505             | 1 | ✓ | ✓ |
| NCCER Plumbing II (2 Credit)   | 321512             | 2 | ✓ | ✓ |
| NCCER Plumbing II (3 Credit)   | 321513             | 3 | ✓ | ✓ |
| LCTCS course(s) that generate Dual Enrollment credit aligned with approved pathway courses |                    |   |   |   |

\*- 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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|----------------|---------------------------|
| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

| <b>Universal Jump Start Courses – these courses are part of every Jump Start graduation pathway</b> |             |                  |        |        |
|---|-------------|------------------|--------|--------|
| Course Title  | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| Accounting  | 040101      | 1                | ✓      | ✓      |
| Accounting II   | 040104      | 1                | ✓      | ✓      |
| Entrepreneurship (Business)   | 040110      | 1                | ✓      |        |
| Word Processing   | 040203      | 1                | ✓      |        |
| Computer Technology Literacy  | 040220      | 1                | ✓      |        |
| Keyboarding   | 040225      | ½                | ✓      |        |
| Keyboarding Applications  | 040226      | ½                | ✓      |        |
| Keyboarding   | 040229      | 1                | ✓      |        |
| Business Law  | 040303      | ½                | ✓      |        |
| Business Communications   | 040305      | 1                | ✓      |        |
| Principles of Business  | 040306      | 1                | ✓      |        |
| Business Math*  | 040307      | 1                | ✓      |        |
| Business Computer Applications (BCA)  | 040400      | 1                | ✓      |        |
| Introduction to Business Computer Applications (IBCA)   | 040401      | 1                | ✓      |        |
| Customer Service  | 041001      | 1                | ✓      |        |
| Personal Finance  | 041022      | ½                | ✓      |        |
| Principles of Marketing I   | 041025      | 1                | ✓      |        |
| Principles of Marketing II  | 041026      | 1                | ✓      |        |
| Entrepreneurship - Marketing  | 041040      | 1                | ✓      |        |
| Entrepreneurship II - Advanced Micro-Enterprise Credentials   | 041041      | 1                | ✓      | ✓      |
| JAG III   | 042030      | 1                | ✓      | ✓      |

|                |                           |  |  |  |
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| <b>Pathway</b> | <b>Automobile Service</b> |  |  |  |
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|  |        |   |   |   |
|--|--------|---|---|---|
| JAG IV   | 042040 | 1 | ✓ | ✓ |
| Speech I   | 051101 | 1 |   |   |
| Speech II  | 051102 | 1 |   |   |
| Career Success Skills  | 080407 | 1 | ✓ |   |
| Principles of Finance  | 080670 | ½ | ✓ |   |
| Entrepreneurship (NAF)   | 080685 | ½ | ✓ |   |
| Managerial Accounting  | 080691 | ½ | ✓ |   |
| Customer Service   | 080720 | ½ | ✓ |   |
| Assistive Technology for the Visually Impaired                     | 080900 | 1 |   |   |
| Business Enterprises for the Visually Impaired                     | 080901 | 1 |   |   |
| Braille I  | 080902 | 1 |   |   |
| Braille II   | 080903 | 1 |   |   |
| First Responder  | 090710 | ½ | ✓ |   |
| First Responder  | 090711 | 1 | ✓ |   |
| First Responder  | 090712 | 2 | ✓ |   |
| Technical Writing* [ <i>TOPS Tech-qualifying English course</i> ]  | 120350 | 1 |   |   |
| AMERICAN SIGN LANGUAGE I   | 123456 | 1 |   |   |
| AMERICAN SIGN LANGUAGE II  | 123457 | 1 |   |   |
| Technical Reading and Writing* (NOT a TOPS Tech-qualifying course) | 125010 | 1 |   |   |
| Business Communications  | 125030 | 1 |   |   |
| Financial Literacy (formerly Financial Mathematics)*               | 160345 | 1 |   |   |
| Technical Math*  | 165010 | 1 |   |   |
| JR ROTC III  | 170003 | 1 |   |   |



| Pathway   | Automobile Service |   |   |   |
|---|--------------------|---|---|---|
| JR ROTC IV  | 170004             | 1 |   |   |
| Law Studies   | 220506             | 1 |   |   |
| Industrial and Plant Safety   | 311921             | 1 | ✓ |   |
| Introduction to Hazardous Materials   | 311922             | 1 | ✓ |   |
| Workplace Safety (1 credit)   | 311923             | 1 | ✓ |   |
| Workplace Safety (2 credits)  | 311924             | 1 | ✓ |   |
| Financial Literacy (formerly Financial Mathematics) <b>INACTIVE COURSE CODE</b> | <del>040304</del>  |   |   | Please use course code 160345 for this course |

\* - 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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| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

**Career Readiness Courses – these courses are part of every Jump Start pathway**

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% |
|---|-------------|------------------|--------|--------|
| AgriScience I*  | 010301      | 1                | ✓      |        |
| Career Readiness Agriscience Agribusiness Natural Resources                         | 010331      | 1                | ✓      |        |
| JAG I   | 042010      | 1                | ✓      | ✓      |
| JAG II  | 042020      | 1                | ✓      | ✓      |
| Education for Careers   | 080400      | ½                | ✓      |        |
| Education for Careers   | 080401      | 1                | ✓      |        |
| Journey to Careers Part 1   | 080402      | ½                | ✓      |        |
| Journey to Careers  | 080403      | 1                | ✓      |        |
| Journey to Careers Part 2   | 080404      | ½                | ✓      |        |
| Education for Careers Part I  | 080405      | ½                | ✓      |        |
| Education for Careers Part II   | 080406      | ½                | ✓      |        |
| Basic Career Readiness  | 080409      | 1                | ✓      |        |
| Advanced Career Readiness (including regionally-developed Career Readiness Courses) | 080410      | 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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| Pathway | Automobile Service |
|---------|--------------------|

**Internships, Cooperative Courses and Virtual Workplace Experience Courses**

**Cooperative courses, Virtual Workplace Experience courses, Pre-Apprenticeship and Internships (with the exception of Non-CTE Internships) are universal courses - they apply to every Jump Start graduation pathway.**

**Internships**

There are three types of internships:

- 1) **CDF-Qualifying Internships** where students are placed in a company that operates in one of the WIC-approved high-demand industry sectors. 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** where students are placed in a company that operates in any other industry sectors. CTE Internships qualify *only* for the 6% MFP adder for all CTE courses; and
- 3) **Non-CTE internships** where students are placed in a non-business internship. Non-CTE Internships do not qualify for any MFP adder. Examples of Non-CTE Internships include internships at a school office, a volunteer organization or a religious organization. **Non-CTE Internships are not part of any Jump Start graduation pathway.**

**WIC-Approved High-Demand Industry Sectors**

Internships that qualify for the 6% CDF payment ***must*** be in a WIC-approved high-demand industry sector.

|  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• Automotive Service/Repair</li> <li>• Construction Crafts</li> <li>• Culinary (<b><i>only</i></b> for students pursuing the statewide ProStart/ SafeServ credentials)</li> </ul> | <ul style="list-style-type: none"> <li>• Healthcare</li> <li>• HVAC</li> <li>• Information Technology</li> </ul> | <ul style="list-style-type: none"> <li>• Manufacturing</li> <li>• Pharmacy</li> <li>• Transportation and Logistics</li> </ul> |
|--|--|---|

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|----------------|---------------------------|
| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

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|--------------------|
| <b>Internships</b> |
|--------------------|

| Course Title   | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
|--|-------------|------------------|--------|--------|
| CDF-Qualifying CTE Internship I (2 CREDITS)  | 080200      | 1                | ✓      | ✓      |
| CDF-Qualifying CTE Internship II (2 CREDITS)   | 080201      | 2                | ✓      | ✓      |
| CDF-Qualifying CTE Internship I (1 CREDIT)   | 080202      | 1                | ✓      | ✓      |
| CDF-Qualifying CTE Internship II (1 CREDIT)  | 080203      | 2                | ✓      | ✓      |
| CTE Internship I (1 credit; Non-CDF)   | 110402      | 1                | ✓      |        |
| CTE Internship I (2 credits; Non-CDF)  | 110403      | 2                | ✓      |        |
| CTE Internship II (1 credit; Non-CDF)  | 110404      | 1                | ✓      |        |
| CTE Internship II (2 credits; Non-CDF)   | 110405      | 2                | ✓      |        |
| <b>Non-CTE Internships are <u>not</u> part of any Jump Start graduation pathway.</b> |             |                  |        |        |
| Non-CTE Internship I   | 400200      | 1                |        |        |
| Non-CTE Internship I   | 400210      | 2                |        |        |
| Non-CTE Internship II  | 400220      | 2                |        |        |
| Non-CTE Internship II  | 400230      | 1                |        |        |

|  |
|--|
| <b>Virtual Workplace Experience Courses approved for 2016-2017</b> |
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| Course Title                    | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
|---------------------------------|-------------|------------------|--------|--------|
| Virtual Workplace Experience I  | 080204      | ½                | ✓      |        |
| Virtual Workplace Experience I  | 080205      | 1                | ✓      |        |
| Virtual Workplace Experience II | 080206      | ½                | ✓      |        |
| Virtual Workplace Experience II | 080207      | 1                | ✓      |        |
| Authentic Workplace Experience  | 080212      | 1                | ✓      |        |

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| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

| <b>Cooperative Courses</b>               |             |                  |        |        |
|--|-------------|------------------|--------|--------|
| Course Title                             | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| Cooperative AgriScience Education I      | 010323      | 3                | ✓      |        |
| Cooperative AgriScience Education II     | 010325      | 3                | ✓      |        |
| Cooperative Office Education             | 040205      | 3                | ✓      |        |
| Cooperative Marketing Education I        | 041010      | 3                | ✓      |        |
| Cooperative Marketing Education II       | 041011      | 3                | ✓      |        |
| General Cooperative Education I          | 080300      | 3                | ✓      |        |
| General Cooperative Education II         | 080301      | 3                | ✓      |        |
| Cooperative Health Occupations           | 090004      | 3                | ✓      |        |
| Cooperative Family and Consumer Services | 100800      | 3                | ✓      |        |
| Cooperative Technology Education         | 110098      | 3                | ✓      |        |

| <b>Pre-Apprenticeship Courses</b> |             |                  |        |        |
|-----------------------------------|-------------|------------------|--------|--------|
| Course Title                      | Course Code | Carnegie Credits | CTE 6% | CDF 6% |
| Pre-Apprenticeship I (2 credits)  | 080208      | 2                | ✓      |        |
| Pre-Apprenticeship II (2 credits) | 080209      | 2                | ✓      |        |
| Pre-Apprenticeship I (1 credit)   | 080210      | 1                | ✓      |        |
| Pre-Apprenticeship II (1 credit)  | 080211      | 1                | ✓      |        |

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| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

| <b>CDF-Qualifying Pre-Apprenticeship Courses</b>  |                    |                         |               |               |
|---|--------------------|-------------------------|---------------|---------------|
| <b>Course Title</b>                               | <b>Course Code</b> | <b>Carnegie Credits</b> | <b>CTE 6%</b> | <b>CDF 6%</b> |
| CDF-QUALIFYING PRE-APPRENTICESHIP I (1 CREDIT)    | 080230             | 1                       | ✓             | ✓             |
| CDF-QUALIFYING PRE-APPRENTICESHIP I (2 CREDITS)   | 080231             | 2                       | ✓             | ✓             |
| CDF-QUALIFYING PRE-APPRENTICESHIP II (1 CREDIT)   | 080233             | 1                       | ✓             | ✓             |
| CDF-QUALIFYING PRE-APPRENTICESHIP II (2 CREDITS)  | 080234             | 2                       | ✓             | ✓             |
| CDF-QUALIFYING PRE-APPRENTICESHIP III (1 CREDIT)  | 080236             | 1                       | ✓             | ✓             |
| CDF-QUALIFYING PRE-APPRENTICESHIP III (2 CREDITS) | 080237             | 2                       | ✓             | ✓             |
| CDF-QUALIFYING PRE-APPRENTICESHIP IV (1 CREDIT)   | 080239             | 1                       | ✓             | ✓             |
| CDF-QUALIFYING PRE-APPRENTICESHIP IV (2 CREDITS)  | 080240             | 2                       | ✓             | ✓             |

|                |                           |
|----------------|---------------------------|
| <b>Pathway</b> | <b>Automobile Service</b> |
|----------------|---------------------------|

|                                  |
|----------------------------------|
| <b>Culminating Credential(s)</b> |
|----------------------------------|

To graduate using a Statewide graduation pathway students must attain only the Statewide credential (which is approved by the Workforce Investment Council) or the equivalent LCTCS Certificate of Technical Studies / Technical Diploma.

- Students who graduate with a Basic Statewide credential earn their school 110 accountability points.
- Students who graduate with an Advanced Statewide credential earn their school 150 accountability points.

|   |  |
|---|--|
| Culminating Credential(s) / Certifying Industry Agency(ies) | <p><b><u>ADVANCED:</u></b><br/> National Institute for Automobile Service Excellence (ASE) Student Certificate: <b>attain three or more of the following credentials</b></p> <ul style="list-style-type: none"> <li>○ Automatic Transmission and Transaxle</li> <li>○ Automobile Service Technology</li> <li>○ Brakes</li> <li>○ Electrical/Electronic Systems</li> <li>○ Engine Performance</li> <li>○ Engine Repair</li> <li>○ Heat and Air Conditioning</li> <li>○ Maintenance and Light Repair</li> <li>○ Manual Drivetrain and Axles</li> <li>○ Steering and Suspension</li> </ul> <p style="text-align: center;">OR</p> <p>Attain a Louisiana post-secondary institution Technical Diploma (TD) or above aligned with this pathway</p> <p><b><u>BASIC:</u></b><br/> National Institute for Automobile Service Excellence (ASE) Student Certificate: <b>attain one or two of the credentials listed above</b></p> <p style="text-align: center;">OR</p> <p>Attain a Louisiana post-secondary institution Certificate of Technical Studies (CTS) aligned with this pathway</p> |
|---|--|

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|----------------|---------------------------|
| <b>Pathway</b> | <b>Automobile Service</b> |
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## Sample Schedule

This 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).

| 9 <sup>th</sup> Grade   | 10 <sup>th</sup> Grade  | 11 <sup>th</sup> Grade   | 12 <sup>th</sup> Grade   |
|---|---|--|--|
| Algebra I<br>English I<br>Environmental Science<br>Civics<br><b><i>IBCA</i></b><br><b><i>Journey to Careers</i></b><br>Physical Education I | Business Math<br>English II<br>Biology<br><b><i>Auto Technician 1</i></b><br><b><i>Auto Body Repair 1</i></b><br><b><i>NCCER Core</i></b><br>Physical Education II / Health | Financial Literacy<br>English III<br>U.S. History<br><b><i>Auto Technician 2</i></b><br><b><i>Auto Body Repair 2</i></b><br><i>Elective Course</i><br><i>Elective Course</i> | Math Essentials<br>Business English<br><b><i>Auto Technician 3</i></b><br><b><i>Auto Body Repair 3</i></b><br><i>Elective Course</i><br><i>Elective Course</i><br><i>Elective Course</i> |
| 7 credits   | 7 credits   | 7 credits  | 7 credits  |
| Credential Earned by this Hypothetical Student  | ASE Student Certification: Engine Performance – National Institute for Automobile Service Excellence (ASE)  |  |  |
| <b><i>Bold italicized courses count as one of the required 9 Carnegie credits for graduating via this CTE pathway</i></b>                   |   |  |  |

## ***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)