

OFFICE OF THE CHIEF OF ACCOUNTABILITY
Summary of State Board of Education Agenda Item
Consent Agenda
February 25, 2021

DIVISION OF EDUCATOR LICENSURE

- H. Approval to begin the Administrative Procedures Act process: To revise licensure guidelines for certain Career and Technical Education Career Pathways; to revise Career and Technical Education 309 Special Populations supplemental endorsement licensure guidelines; to establish one new Career Pathway in the endorsement area of Advanced Manufacturing.

Background Information: On January 8, 2021, the Commission on Teacher and Administrator Education, Certification and Licensure and Development (Licensure Commission) granted approval to begin the Administrative Procedures Act (APA) process to revise licensure guidelines for certain Career and Technical Education Career Pathways; to revise Career and Technical Education 309 Special Populations supplemental endorsement licensure guidelines; and to establish one new Career Pathway in the endorsement area of Advanced Manufacturing. Particularly, the Office of Secondary Education is requesting approval to revise licensure guidelines for forty – five (45) Career Pathway endorsement areas and one (1) Career and Technical Education (CTE) supplemental endorsement area to become effective upon final approval by the State Board of Education and to establish one (1) new CTE licensure endorsement area to become effective academic year 2021 – 2022. The proposed criteria for obtaining licensure in the following Career Pathway endorsement areas are outlined as follows:

- A.** The Office of Secondary Education is requesting approval to add a statement that allows certified educators to use experience that was obtained outside of the ten – year timeframe to thirty – seven (37) Career Pathway endorsements. The current guidelines state that experience must be within the last ten – years.
- B.** The Office of Secondary Education is requesting approval to remove the full – time occupational experience and replace with occupational experience. We would also like to remove the statement “or completed an alternate route program.” An educator with a standard five – year license is sufficient.
- C.** The Office of Secondary Education is requesting approval to add an additional endorsement to the endorsement 934 Career Pathway: Business, Marketing, and Finance.

- D.** The Office of Secondary Education is requesting approval to add the statement – if an educator had the old endorsement, they are eligible for the three – year provisional for the new endorsement for endorsements: 948 Family and Consumer Sciences (non – education) and 949 Family and Consumer Sciences (education).
- E.** The Office of Secondary Education is requesting approval to add additional options for the video editing software program for two endorsements: 958 Career Pathway: Television Broadcasting and Production and 987 Career Pathway: Digital Media Technology.
- F.** The Office of Secondary Education is requesting approval to change the name of the Adobe certifications required for endorsement 987 Career Pathway: Digital Media Technology.
- G.** The Office of Secondary Education is requesting approval to replace Autodesk with Adobe certifications for endorsement 988 Career Pathway: Simulation and Animation Design and Development.
- H.** The Office of Secondary Education is requesting approval to change the verbiage for endorsement 309 Special Populations Personnel to reflect that the educator have at least three years teaching experience and at least one of the listed endorsements.
- I.** The Office of Secondary Education is requesting approval to establish the new Career Pathway endorsement for Advanced Manufacturing to become available Academic Year 2021 – 2022. The curriculum and courses for this program of study are under development. Proposed licensure requirements have been aligned in accordance with standard CTE program of study criteria.

Recommendation: Approval

Back-up material attached

912 Career Pathway: Law and Public Safety

This endorsement licenses a person to teach the following secondary courses:

- 990101 Law and Public Safety I
- 990102 Law and Public Safety II
- 990103 History of Law and Legal Systems
- 990104 Emergency Services and Corrections
- 990105 Topics in Law and Public Safety
- 990106 Emergency Management and Military Professions

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in Criminal Justice, Emergency Medicine (EMC), Political Science, Social Science, or a two – year college degree or higher with documented completion of law enforcement training, emergency medicine training, fire academy training, or military training, or eighteen (18) hours of acceptable coursework with an earned grade of “C” or higher in the subject area to be taught.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Applicant must possess and maintain a Community Emergency Response Teams (CERT) Trainer Certification.
- Applicant must possess and maintain National Incident Management System certifications:
 - . 100 – Introduction to Incident Command System
 - . 200 – ICS for Single Resources and Initial Action Incidents
 - . 700 – National Incident Management System, An Introduction
 - . 800 – National Response Framework, An Introduction

For more information, consult <http://training.fema.gov/IS/Nims.asp>

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP).**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education,
- Applicant must successfully complete the Law and Public Safety Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 912 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements

stated above must be satisfied prior to the ending date of that license.

913 Career Pathway: Energy Technology

This endorsement licenses a person to teach the following secondary courses:

- 994200 Energy Technician I
- 994201 Energy Technician II
- 994202 Energy Foundations I
- 994203 Energy Foundations II
- 994204 Energy Alternative Forms
- 994205 Energy Generation Technician

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in an appropriate, related field approved by the MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must possess and maintain Energy Industry Fundamentals Certificate (comprehensive assessment) through the Center for Energy and Workforce Development or other teacher occupational competency assessment approved by MDE office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Energy Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 913 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

914 Career Pathway: Forestry

This endorsement licenses a person to teach the following courses:

029990 Agriscience--Introduction
991500 Forestry I
991501 Forestry II
991502 Forestry Introduction
991503 Forestry Surveying and Measurements
991504 Forestry Cruising
991505 Forestry Marketing

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in Forestry or closely related field as approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of **full-time** occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold bachelor or higher degree in the subject area to be taught (see #1 above). This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP or program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Forestry Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 914 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

918 Career Pathway: Furniture Design & Manufacturing

This vocational program area and associated teacher license title and code number are LIMITED to currently existing programs. Future use of this license is exclusively limited to teachers of currently existing programs; further, any applicant for this license must be approved by the MDE Office of Career and Technical Education.

This endorsement licenses a person to teach the following secondary courses:

- 993500 Furniture Manufacturing & Upholstery I
- 993501 Furniture Manufacturing & Upholstery II
- 993502 Furniture Design and Manufacturing I
- 993503 Furniture Design and Manufacturing II
- 993504 Furniture Design and Manufacturing III
- 993505 Furniture Design and Manufacturing IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Careful review of occupational experience with documentation of the applicability of that experience to the subject area being taught is required. No further assessment required.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Furniture Design & Manufacturing Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 918 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year

endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

919 Career Pathway: Heavy Equipment Operation

This endorsement licenses a person to teach the following secondary courses:

- 997400 Heavy Equipment Operation I
- 997401 Heavy Equipment Operation II
- 997402 Fundamentals of Heavy Machinery Operation
- 997403 Application of Heavy Machinery Operation
- 997404 Theory of Heavy Machinery Operation
- 997405 Advanced Skills of Heavy Machinery Operation

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Heavy Machinery Support Mechanic assessment.

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Heavy Equipment Operation Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 919

endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

925 Career Pathway: Food Products (Meats)

This endorsement licenses a person to teach the following secondary courses:

- 029990 Agriscience--Introduction
- 991200 Food Products (Meats) I
- 991201 Food Products (Meats) II
- 991202 Food Products (Meats): Fundamentals
- 991203 Food Products (Meats): Custom Operations
- 991204 Food Products (Meats): Basic Meats Processing
- 991205 Food Products (Meats): Advanced Meats Processing

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree or higher from an accredited institution of higher education. The degree must be in a field related to the subject being taught and must be approved by the MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Food Products (Meats) Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 925 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

932 Career Pathway: Fire Science

This endorsement licenses a person to teach the following secondary courses:

- 991050 Fire Science I
- 991051 Fire Science II
- 991052 Fundamentals of Fire Science
- 991053 Beginning Fire Science
- 991054 Intermediate Fire Science
- 991055 Advanced Fire Science

Minimum Requirements for this Endorsement:

5. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in Fire Science or a two – year college degree or higher with documented completion of fire academy training or eighteen (18) hours of acceptable coursework with an earned grade of “C” or higher in the subject area to be taught.

6. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

7. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor’s or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.

An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- All successful applicants must have completed the Mississippi State Fire Academy or equivalent from another state. This training exempts the applicant from any additional occupational competency testing.

8. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP).**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education,
- Applicant must successfully complete the Fire Science Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 932 endorsement—a five-year license. If the applicant meets the educational and occupational experience

requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

933 Computer Science

This endorsement licenses a person to teach the following secondary courses:

- 000284 Cyber Foundations I
- 000286 Cyber Foundations II

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.

(Exception: Those teachers that have a currently valid five-year license ~~or have completed an alternate route program~~ are not required to have the occupational experience.)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Cyber Foundations Certification workshop, module, or course that is approved by the Mississippi Department of Education. This course should include online modules and face to face training.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 933 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

935 Exploring Computer Science

This endorsement licenses a person to teach the following secondary courses:

000283 Exploring Computer Science

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
(Exception: Those teachers that have a currently valid five-year license ~~or have completed an alternate route program~~ are not required to have the occupational experience.)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Exploring Computer Science Certification workshop, module, or course that is approved by the Mississippi Department of Education. This course should include online modules and face to face training.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 935 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

936 Career Pathway: Shipbuilding Academy

This endorsement licenses a person to teach the following secondary courses:

- 235070 Naval Architecture Core
- 235075 Naval Architecture I
- 235080 Shipbuilding Core
- 235085 Shipbuilder Exploration
- 235086 Shipbuilder I

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education in Welding, Electrical, Sheet Metal or a closely related field approved by the MDE Program Supervisor.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must earn a passing score on the National Center for Construction Education and Research (NCCER) – Welding written and performance assessments (includes at least seven test plates)
Or
- Applicant must earn a passing score on the National Center for Construction Education and Research (NCCER) Commercial Electrician assessment.
Or
- Applicant must earn a passing score on the National Center for Construction Education and Research (NCCER) Maritime Structural Fitter assessment.
Or
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 936 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of

that license.

951 Career Pathway: Aquaculture

This endorsement licenses a person to teach the following secondary courses:

- 991600 Aquaculture Technology I
- 991601 Aquaculture Technology II

Requirements for this Endorsement:

1. Education

- Hold a four-year college degree or higher from an accredited institution of higher education in a field of aquaculture or closely related field as approved by MDE Office of Career and Technical Education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of ~~full-time~~ occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Aquaculture Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 951 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

953 Career Pathway: Lodging, Hospitality, and Tourism Management

This endorsement licenses a person to teach the following courses:

- 992100 Lodging, Hospitality, and Tourism Management I
- 992101 Lodging, Hospitality, and Tourism Management II
- 992102 Hospitality Services I
- 992103 Hospitality Services II
- 992104 Hospitality Services III
- 992105 Hospitality Services IV

Minimum Requirements for this Endorsement

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in Lodging and Hospitality, Marketing, Management, Family and Consumer Sciences, or other degree approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of **full-time** occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold bachelor or higher degree in the subject area to be taught (see #1 above). This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete a Hospitality, and Lodging, Tourism Management Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 953 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

954 Career Pathway: Information Technology

This endorsement licenses a person to teach the following secondary courses:

- 992206 Information Technology Associate I
- 992207 Information Technology Associate II
- 992208 Information Technology Fundamentals I
- 992209 Information Technology Fundamentals II
- 992210 Information Technology Networking I
- 992211 Information Technology Networking II

Minimum Requirements for this Endorsement:

5. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

6. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

7. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Possess and maintain up-to-date CompTIA A+ Certification or CompTIA IT Fundamentals Certification

AND

- Microsoft MTA Networking Fundamentals OR CompTIA Network+

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

8. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program (**Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.**)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Information Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 954 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

959 Career Pathway: Cosmetology

This endorsement licenses a person to teach the following secondary courses:

- 994700 Cosmetology: Introduction to Cosmetology
- 994701 Cosmetology: Basic Cosmetology
- 994702 Cosmetology: Advanced Cosmetology
- 994703 Cosmetology: Applications of Cosmetology
- 994704 Cosmetology I
- 994705 Cosmetology II
- 994706 Cosmetology III
- 994707 Cosmetology IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attending the established minimal score or higher on assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Currently valid Mississippi Cosmetology Instructor License issued by the State Board of Cosmetology

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 959 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

961 Career Pathway: Healthcare and Clinical Services

This endorsement licenses a person to teach the following secondary courses:

- 995003 Theory and Applications of Health Sciences I
- 995100 Health Sciences (Core)
- 995101 Healthcare and Clinical Services
- 995102 Health Sciences Core I
- 995103 Health Sciences Core II
- 995104 Healthcare and Clinical Services I
- 995105 Healthcare and Clinical Services II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must be a Registered Nurse who is a graduate of an accredited School of Nursing with a two-year (associate) degree or higher. **Consideration is being given to requiring 4-year college degree in the future.**

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. **An educator with a standard five – year license may use experience outside of the ten – year timeframe.**
- Applicant must possess and maintain an unrestricted Mississippi Registered Nurse License.
- Applicant must possess and maintain CPR Certification for Health Care Provider Basic Life Support through American Heart Association.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Certification of Online Learning (COOL) workshop, module or course approved by MDE.
- Applicant must successfully complete the Healthcare and Clinical Services Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 961 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

962 Career Pathway: Sports Medicine

This endorsement licenses a person to teach the following secondary courses:

- 995100 Health Sciences Core
- 995102 Health Services Core I
- 995103 Health Services Core II
- 995200 Sports Medicine
- 995202 Sports Medicine: Theory and Application I
- 995203 Sports Medicine: Theory and Application II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education in Physical Therapy, Athletic Training, Kinesiology, or closely related field as approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must possess and maintain CPR Certification for Health Care Provider Basic Life Support through the American Heart Association.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Certification of Online Learning (COOL) workshop, module or course approved by MDE.
- Applicant must successfully complete the Sports Medicine Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 962 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

963 Career Pathway: Dental Assisting

This endorsement licenses a person to teach the following secondary courses:

- 995100 Health Sciences Core
- 995102 Health Services Core I
- 995103 Health Sciences Core II
- 995300 Dental Assisting

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education in Dental Hygiene or degree approved by the MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must possess and maintain currently valid certification as Certified Dental Assistant (CDA) as issued by the Dental Assisting National Board.
- Applicant must possess and maintain a Healthcare Provider Basic Life Support Certification through American Heart Association.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP).**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification of Online Learning (COOL) workshop, module or course.
- Applicant must successfully complete the Dental Assisting Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 963 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

964 Career Pathway: Instrumentation

This endorsement licenses a person to teach the following secondary courses:

- 235050 Instrumentation I
- 235051 Instrumentation II
- 235060 Fundamentals of Instrumentation
- 235061 Application of Instrumentation
- 235062 Theory of Instrumentation
- 235063 Advanced Skills of Instrumentation

Minimum Requirements for this Endorsement:

5. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

6. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

7. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
 - Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
 - Applicant must earn a passing score on the NCCER – Instrumentation written and performance assessments
- Or
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education

8. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Instrumentation Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 964 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

965 Career Pathway: Transportation Logistics

This endorsement licenses a person to teach the following secondary courses:

- 997300 Transportation Logistics I
- 997301 Transportation Logistics II
- 997302 Fundamentals of Transportation Logistics
- 997303 Receiving and Stocking
- 997304 Materials Handling
- 997305 Supply Chain Management

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in an appropriate, related field approved by the MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.

An educator with a standard five – year license may use experience outside of the ten – year timeframe.

- Applicant must successfully pass three CPSM Examinations:

CPSM Exam 1 – Foundation of Supply Management

CPSM Exam 2 – Effective Supply Management Performance

CPSM Exam 3 – Leadership in Supply Management

CPSM examinations require three years of full-time professional supply management experience (non-clerical, non-support) with an associate degree from a regionally accredited institution (or international equivalent) OR five-years of full-time professional supply management experience (non-clerical, non-support) If applicant is C.P.M. in good standing, s/he must successfully pass the Bridge Examination (Pearson VUE test centers)

Or

- Global Logistics Associate (GLA) – Entry Level Workforce, High School Logistics and Transportation Career Academy, and Community College Certification.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Transportation Logistics Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 965 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

966 Career Pathway: Automotive Service Technician

This endorsement licenses a person to teach the following secondary courses:

- 997000 Automotive Service I
- 997001 Automotive Service II
- 997002 Automotive Service Fundamentals I
- 997003 Automotive Service Fundamentals II
- 997004 Automotive Service Fundamentals III
- 997005 Automotive Service Fundamentals IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must hold ASE Certifications in the following five areas:
 - a) Steering and Suspension (test A4)
 - b) Brakes (test A5)
 - c) Electrical/Electronics (test A6)
 - d) Engine Performance (test A8)
 - e) Maintenance and Light Repair (test G1)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Automotive Service Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 966 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

967 Career Pathway: Collision Repair Technician

This endorsement licenses a person to teach the following secondary courses:

- 997100 Collision Repair I
- 997101 Collision Repair II
- 997102 Fundamentals of Collision Repair
- 997103 Intermediate Painting and Refinishing
- 997104 Advanced Fundamentals of Collision Repair
- 997105 Advanced Painting and Refinishing

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*
- Applicant must hold currently valid and up-to-date ASE Certification in Painting and Refinishing (test B2) or I-CAR Certification in Painting and Refinishing that is equivalent to Test B2.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Collision Repair Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 967 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

968 Career Pathway: Diesel Service Technician

This endorsement licenses a person to teach the following secondary courses:

- 997200 Diesel Service Technician I
- 997201 Diesel Service Technician II
- 997202 Fundamentals of Diesel Systems and Components
- 997203 Diesel Electrical/Electronic Systems
- 997204 Diesel Engine Performance
- 997205 Diesel Auxiliary Components and Systems

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must hold ASE Certifications in the following three areas:
 - a) Medium & Heavy Duty Truck (test Diesel T2)
 - b) Electrical/Electronics (test T6)
 - c) Preventative Maintenance (test T8)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Diesel Service Technician Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 968 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

969 Career Pathway: Precision Machining

This endorsement licenses a person to teach the following secondary courses:

- 993403 Precision Machining I
- 993404 Precision Machining II
- 993405 Fundamentals of Precision Machining
- 993406 Application of Precision Machining
- 993407 Theory of Precision Machining
- 993408 Advanced Skills of Precision Machining

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Institute for Metalworking Skills (NIMS) Certification as follows: NIMS, Level 1 Certificate
- OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Precision Machining Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 969 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

970 Career Pathway: Early Childhood

This endorsement licenses a person to teach the following secondary courses:

- 996200 Early Childhood I
- 996201 Early Childhood II
- 996202 Fundamentals of Early Childhood Education
- 996203 Child Development
- 996204 The Learning Environment
- 996205 Management of a Quality Child Care Program

Minimum Requirements for this Endorsement:

1. Education:

- Applicant must have earned a bachelor's degree or higher from an accredited institution of higher education in the area of Early Childhood, Elementary Education, Family & Consumer Sciences, Human Services, Human Sciences, or an appropriate, related field approved by the MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency:

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience:

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. **(Exception: Those teachers that have a currently valid five-year license ~~or have completed an alternate route program~~ are not required to have the occupational experience.)**
- Applicant must earn and maintain CPR Certification.
- Applicant must earn and maintain First Aid Certification.

4. Teacher Education Preparation and Related Assessment(s) of that Education:

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Early Childhood Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 970 endorsement – five - year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

972 Career Pathway: Culinary Arts

This endorsement licenses a person to teach the following secondary courses:

- 996000 Culinary Arts I
- 996001 Culinary Arts II
- 996002 Orientation to Culinary Arts
- 996004 Theory and Application of Culinary Arts I
- 996005 Theory and Application of Culinary Arts II
- 996006 Advanced Studies in Culinary Arts

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicants must successfully complete the Manager and Instructor ServSafe® Certification exams and keep them current.
- Applicants must successfully complete all components of national Prostart® Certification program.
OR
- Applicants must successfully complete at least 48 hours of Culinary Arts mini – courses offered by the Mississippi University for Women.
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.
- *Applicants that have a bachelor’s degree or higher in Culinary are exempt from the Prostart and Culinary Arts mini – courses.*

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Culinary Arts Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 972 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

973 Career Pathway: Industrial Maintenance

This endorsement licenses a person to teach the following secondary courses:

- 993001 Industrial Maintenance
- 993002 Fundamentals of Industrial Maintenance
- 993003 Application of Industrial Maintenance
- 993011 Industrial Maintenance II
- 993012 Theory of Industrial Maintenance
- 993013 Advanced Skills Industrial Maintenance

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Industrial Maintenance Support Mechanic assessment
- OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Industrial Maintenance Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 973 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

974 Career Pathway: Heating, Ventilation, and Air Conditioning

This endorsement licenses a person to teach the following secondary courses:

- 993018 Fundamentals of HVAC
- 993019 Application of HVAC
- 993020 HVAC I
- 993021 HVAC II
- 993022 Beginning HVAC
- 993023 Advanced HVAC

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Heating, Ventilation, and Air Conditioning Technician assessment.
- OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the HVAC Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 974 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

975 Career Pathway: Welding

This endorsement licenses a person to teach the following secondary courses:

- 993300 Introduction to Welding
- 993301 Advanced Welding
- 993302 Orientation and Cutting
- 993303 Shielded Metal Arc Welding (SMAW)
- 993304 Advanced Welding I
- 993306 Advanced Welding II
- 993305 Production Welding Processes

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must earn a passing score on a Welding (performance & written)* Assessment: TOCA at RCU—Welding or hold American Welding Society (AWS) Certification or NCCER welding assessment. The performance assessment should include successful completion of seven test plates out of the fourteen test plates listed in the curriculum (please see curriculum for list).
Or
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the NCCER Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Welding Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 975 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

* Effective SY '19 – 20, both assessments will be required for all new applicants with a 975 endorsement issued after final State Board approval.

976 Career Pathway: Metal Fabrication

This endorsement licenses a person to teach the following secondary courses:

- 993206 Metal Fabrication I
- 993207 Metal Fabrication II
- 993208 Fundamentals of Metal Fabrication
- 993209 Application of Metal Fabrication
- 993210 Theory of Metal Fabrication
- 993211 Advanced Skills of Metal Fabrication

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Institute for Metalworking Skills (NIMS) Certification as follows:
NIMS, Level 1 Certificate

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Manufacturing Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 976 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

977 Career Pathway: Carpentry

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993110 Carpentry
- 993111 Theory and Application of Carpentry I
- 993112 Theory and Application of Carpentry II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Commercial Carpentry assessment.
OR
- Hold a currently valid Residential Builder’s License, based on results of required examination, and issued from Mississippi State Board of Contractors.
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 977 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

978 Career Pathway: Electrical

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993120 Electrical
- 993121 Theory and Application of Electrical I
- 993122 Theory and Application of Electrical II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Commercial Electrician assessment.
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 978 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

979 Career Pathway: Masonry

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993130 Masonry
- 993131 Theory and Application of Masonry I
- 993132 Theory and Application of Masonry II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Teacher Occupational Competency Assessment at Mississippi State University’s Research and Curriculum Unit in the following area: TOCA at RCU—Masonry
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 979 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

980 Career Pathway: Plumbing

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993140 Plumbing
- 993141 Theory and Application of Plumbing I
- 993142 Theory and Application of Plumbing II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Plumber assessment.
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 980 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

986 Career Pathway: Architecture and Drafting

This endorsement licenses a person to teach the following secondary courses:

- 994300 Architectural Design and Drafting I
- 994301 Architectural Design and Drafting II
- 994302 Concepts of Drafting
- 994303 Drafting and Design
- 994304 Architectural Drafting
- 994305 Architectural Drafting Application

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- American Design Drafting Association Certification: ADDA Certified Drafter-Architectural
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Architecture and Drafting Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 986 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

989 Career Pathway: Polymer Science

This endorsement licenses a person to teach the following secondary courses:

- 994500 Polymer Science I
- 994501 Polymer Science II
- 994502 Introduction to Polymer Science I
- 994503 Introduction to Polymer Science II
- 994504 Advanced Topics in Polymer Science
- 994505 Careers in Polymer Science

Minimum Requirements for this Endorsement:

1. Education

- Applicant must hold a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. The degree must be in polymer science, chemistry, or other appropriate field of science and must be approved by MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of **full-time** occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold a bachelor or higher degree **in the subject area to be taught.** This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Polymer Science Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 989 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

993 Career Pathway: Agriculture Power and Machinery

This endorsement licenses a person to teach the following secondary courses:

- 029990 Agriscience--Introduction
- 991300 Agriculture Technology & Mechanical Systems (Core)
- 991301 Agriculture Power and Machinery
- 991302 Agriculture Power and Machinery: Introduction to Agricultural Technology & Mechanical Systems (Core)
- 991303 Agriculture Power and Machinery: Basic Equipment Systems, Maintenance and Repair (Core)
- 991304 Agriculture Power and Machinery: Diesel and Hydraulic Systems and Advanced Cutting
- 991305 Agriculture Power and Machinery: Advanced Equipment Systems, Maintenance and Repair

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree or higher from an accredited institution of higher education. The degree must be in a field related to the subject being taught and must be approved by the MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Agriculture Power and Machinery Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 993 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

934 Career Pathway: Business, Marketing, and Finance

This endorsement licenses a person to teach the following secondary courses:

992004 Business, Marketing, and Finance I
992005 Business, Marketing, and Finance II
992404 Fundamentals of Business and Entrepreneurship
992403 Marketing
992309 Management
992003 Finance

Minimum Requirements for this Endorsement:

1. Education:

- Applicant must have earned a bachelor's degree or higher from an accredited institution of higher education in the area of Business or hold a currently valid five-year license in [105 Business Education](#), 405 Business Management, 192 Social Studies, or 193 Economics.

2. Technology Literacy and Related Assessment of that Competency:

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience:

- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. **(Exception: Those teachers that have a currently valid five-year license ~~or have completed an alternate route program~~ are not required to have the occupational experience.)**

This endorsement requires the following assessment(s) of occupational expertise:

- Earn the required score on the Entrepreneurship and Small Business assessment.
<https://certiport.pearsonvue.com/Certifications/ESB/Certification/Overview>

4. Teacher Education Preparation and Related Assessment(s) of that Education:

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Master Teacher of Economics program as approved by the MDE.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Business, Marketing, and Finance Certification workshop, module, or course that is approved by the Mississippi Department of Education.*

Note: If the applicant meets all requirements listed above, that applicant will be issued a 934 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

*** Teachers with a currently valid five – year 952 Business Finance and Accounting, 955 Business Management, and/or 956 Marketing endorsement will have three years (June 30, 2023) to complete the updated curriculum training for the certification.**

948 Family and Consumer Sciences (non-education)

This endorsement licenses a person to teach the following secondary courses:

- 200121 Family Dynamics
- 200122 Child Development
- 200140 Contemporary Health (Grades 9-12)
- 200129 Resource Management
- 200130 Nutrition & Wellness

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree or higher from an accredited institution of higher education in Family and Consumer Sciences (non-education degree), Human Sciences, Human Services, Early Childhood, Nutrition, or a closely related subject area approved by the MDE program supervisor, or pass PRAXIS II, Family and Consumer Science. **(An educator with a 321 endorsement automatically qualifies for a three – year provisional 948 endorsement.)**

2. Technology

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of ~~full-time~~ occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught. **(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)**
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a *Learning Management Systems Fundamentals* or C.O.O.L. workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete training for updated curricula in Family and Consumer Sciences. This requirement may be a workshop, module or course that is approved by the Mississippi Department of Education. **(Exception: Teachers with a currently valid license and endorsement #321 are exempt from this requirement; however, those teachers are strongly encouraged to attend this educator training.)**
- Applicant must successfully complete the Contemporary Health – Grades 9-12 workshop, module or course that is approved by the MDE.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 948 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

949 Family and Consumer Sciences (education)

This endorsement licenses a person to teach the following secondary courses:

- 200121 Family Dynamics
- 200122 Child Development
- 200140 Contemporary Health (Grades 9-12)
- 200129 Resource Management
- 200130 Nutrition & Wellness

Minimum Requirements for this Endorsement:

1. Education

- A bachelor degree in Home Economics/Family and Consumer Sciences Education—this must be a teacher education degree that includes student teaching and passing score on PRAXIS Core, Principles of Learning and Teaching and passing score on PRAXIS II, Home Economics/Family and Consumer Science. Or complete an academic alternate route see Office of Licensure Guidelines, Or applicant with a valid educator license can earn a passing score on PRAXIS II, Family and Consumer Science. **(An educator with a 322 endorsement automatically qualifies for a three – year provisional 949 endorsement.)**

2. Technology

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- ~~Verification of at least one year of full-time occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.~~
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education

- Applicant must successfully complete a *Learning Management Systems Fundamentals* or C.O.O.L. workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete training for updated curricula in Family and Consumer Sciences. This requirement may be a workshop, module or course that is approved by the Mississippi Department of Education. **(Exception: Teachers with a currently valid license and endorsement #322 are exempt from this requirement; however, those teachers are strongly encouraged to attend this educator training.)**
- Applicant must successfully complete the Contemporary Health – Grades 9-12 workshop, module or course that is approved by the MDE

Note: If the applicant meets all requirements listed above, that applicant will be issued a 949 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

958 Career Pathway: Television Broadcasting and Production

This endorsement licenses a person to teach the following secondary courses:

- 994600 Broadcast Journalism I
- 994601 Broadcast Journalism II
- 994602 Television Broadcasting and Production I
- 994603 Television Broadcasting and Production II
- 994604 Television Broadcasting and Production III
- 994605 Television Broadcasting and Production IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in Arts, Audio-Video Technology and Communication or closely related field as approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- **Complete Approved Training in** Final Cut Pro, **Adobe Premiere Pro, Avid, or Davinci**
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Television Broadcasting and Production Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 958 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

985 Career Pathway: Engineering

This endorsement licenses a person to teach the following courses:

- 994000 Engineering I
- 994001 Engineering II
- 994002 Engineering Fundamentals
- 994003 Engineering Design
- 994004 Systems in Engineering
- 994005 Applying Engineering Concepts

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in engineering, mathematics, physics, chemistry, computer science, electrical technology, electronics technology, industrial technology, engineering technology or an appropriate field of science (approved by MDE program coordinator) or currently have one of the following endorsements: 154 - Math, 185 or 627 – Chemistry, 189 or 629 or 630 or 631 – Physics, 609 or 610 – Calculus, 612 or 613 – Computer Science.

2. Technology Literacy and Related Assessment

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of **full-time** occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught. **(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)**
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Engineering Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 985 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

987 Career Pathway: Digital Media Technology

This endorsement licenses a person to teach the following secondary courses:

- 994100 Digital Media Technology I
- 994101 Digital Media Technology II
- 994108 Orientation to Digital Media
- 994109 Fundamentals of Digital Media
- 994110 Theory and Applications of Digital Media I
- 994111 Theory and Applications of Digital Media II

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.

An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Complete Approved Training in Final Cut Pro, Adobe Premiere Pro, Avid, or Davinci

AND

- Earn Adobe Certified Associate Certification in **all** the following areas:

Rich Media Communication

Visual Communication

Photo editing

Graphic Design

OR

- Other teacher occupational competency assessment(s) approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Digital Media Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 987 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

988 Career Pathway: Simulation and Animation Design and Development

This endorsement licenses a person to teach the following secondary courses:

- 994400 Simulation and Animation Design and Development I
- 994401 Simulation and Animation Design and Development II
- 994402 Ethics, Design Theory, and Photography
- 994403 Design Visualization and Character Development
- 994404 Audio and Video Production
- 994405 Business, Evaluation, and Development of Simulation and Animation Projects

Minimum Requirements for this Endorsement:

1. Education

- Applicant must hold a four-year college degree (bachelor’s degree) or higher from an accredited institution of higher education. The degree must be in a related field or must be approved by MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of **full-time** occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

~~AutoDesk Certified Instructor (ACI)~~

OR

- Earn Adobe Certified Associate Certification in all the following areas:

Photo Editing

Graphic Design

OR

- Other teacher occupational competency assessment(s) approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Video Game Design and Development Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 988 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

309 Secondary Special Populations Personnel

Persons Educators with at least three (3) years of teaching experience who meet the following requirements are eligible to serve as teacher or coordinator of students in special populations (aka: student services coordinator) and provide them with educational services.

This endorsement requires the following:

1. Bachelor's degree with a teacher license ~~and at least three (3) years teaching~~ in one of the following:

<u>Endorsement</u>	<u>Subject Area/Major</u>
117	Elementary Education (4-8)
116 & 117	Elementary Education (K – 3) & Elementary Education (4 – 6)
152	Elementary Education (K – 4)
119	English (7-12)
120	Elementary Education (K – 6)
154	Mathematics (7-12)
174	Remedial Reading (K-12)
177	English as a Second Language (K-12)
181	Biology Education (7-12)
206	Emotional Disability (K-12)
207	Gifted (K-12)
221	Mild/Moderate Disability (K-12)
224	Mild/Moderate Disability (7-12) *

2. Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education. (Exception: Educators with a five-year 309 endorsement do not have to complete this requirement.)

4. Completion of an approved three (3) semester credit course in History, Philosophy, or Principles of Vocational Education OR completion of the comparable education module at the RCU at MSU.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 309 endorsement—a five-year license. If the applicant meets the educational and endorsement requirements, but does not meet all other requirements, the applicant may be issued a three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

Note: For those persons who served as Special Populations Personnel (secondary level) prior to July 1, 2009, no additional requirements are imposed. At the time of their renewal, the endorsement #309 will be added (provided all other renewal requirements are met). Teachers who seek an initial #309 endorsement on or after July 1, 2009, must meet all requirements stated above.

*** Note: Effective July 1, 2017, the Office of Career and Technical Education will no longer accept the endorsement code 224. Those educators that already have the 309 will not be affected by the change.**

Career Pathway: Advanced Manufacturing

This endorsement licenses a person to teach the following secondary courses:

- ##### Basics of Advanced Manufacturing
- ##### Fundamentals of Advanced Manufacturing
- ##### Processes of Advanced Manufacturing
- ##### Production in Advanced Manufacturing
- ##### Advanced Manufacturing I
- ##### Advanced Manufacturing II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

To show occupational expertise, this endorsement requires the following:

- All applicants must complete an externship with a manufacturing company (or companies) of forty hours in length. Externship must be approved by MDE.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. (Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Advanced Manufacturing Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a ### endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

912 Career Pathway: Law and Public Safety

This endorsement licenses a person to teach the following secondary courses:

- 990101 Law and Public Safety I
- 990102 Law and Public Safety II
- 990103 History of Law and Legal Systems
- 990104 Emergency Services and Corrections
- 990105 Topics in Law and Public Safety
- 990106 Emergency Management and Military Professions

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in Criminal Justice, Emergency Medicine (EMC), Political Science, Social Science, or a two – year college degree or higher with documented completion of law enforcement training, emergency medicine training, fire academy training, or military training, or eighteen (18) hours of acceptable coursework with an earned grade of “C” or higher in the subject area to be taught.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Applicant must possess and maintain a Community Emergency Response Teams (CERT) Trainer Certification.
- Applicant must possess and maintain National Incident Management System certifications:
 - . 100 – Introduction to Incident Command System
 - . 200 – ICS for Single Resources and Initial Action Incidents
 - . 700 – National Incident Management System, An Introduction
 - . 800 – National Response Framework, An Introduction

For more information, consult <http://training.fema.gov/IS/Nims.asp>

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP).**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education,
- Applicant must successfully complete the Law and Public Safety Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 912 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements

stated above must be satisfied prior to the ending date of that license.

913 Career Pathway: Energy Technology

This endorsement licenses a person to teach the following secondary courses:

- 994200 Energy Technician I
- 994201 Energy Technician II
- 994202 Energy Foundations I
- 994203 Energy Foundations II
- 994204 Energy Alternative Forms
- 994205 Energy Generation Technician

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in an appropriate, related field approved by the MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must possess and maintain Energy Industry Fundamentals Certificate (comprehensive assessment) through the Center for Energy and Workforce Development or other teacher occupational competency assessment approved by MDE office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Energy Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 913 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

914 Career Pathway: Forestry

This endorsement licenses a person to teach the following courses:

029990 Agriscience--Introduction
991500 Forestry I
991501 Forestry II
991502 Forestry Introduction
991503 Forestry Surveying and Measurements
991504 Forestry Cruising
991505 Forestry Marketing

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in Forestry or closely related field as approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold bachelor or higher degree in the subject area to be taught (see #1 above). This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP or program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Forestry Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 914 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

918 Career Pathway: Furniture Design & Manufacturing

This vocational program area and associated teacher license title and code number are LIMITED to currently existing programs. Future use of this license is exclusively limited to teachers of currently existing programs; further, any applicant for this license must be approved by the MDE Office of Career and Technical Education.

This endorsement licenses a person to teach the following secondary courses:

993500 Furniture Manufacturing & Upholstery I
993501 Furniture Manufacturing & Upholstery II
993502 Furniture Design and Manufacturing I
993503 Furniture Design and Manufacturing II
993504 Furniture Design and Manufacturing III
993505 Furniture Design and Manufacturing IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Careful review of occupational experience with documentation of the applicability of that experience to the subject area being taught is required. No further assessment required.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Furniture Design & Manufacturing Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 918 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

919 Career Pathway: Heavy Equipment Operation

This endorsement licenses a person to teach the following secondary courses:

- 997400 Heavy Equipment Operation I
- 997401 Heavy Equipment Operation II
- 997402 Fundamentals of Heavy Machinery Operation
- 997403 Application of Heavy Machinery Operation
- 997404 Theory of Heavy Machinery Operation
- 997405 Advanced Skills of Heavy Machinery Operation

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Heavy Machinery Support Mechanic assessment.

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Heavy Equipment Operation Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 919 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

925 Career Pathway: Food Products (Meats)

This endorsement licenses a person to teach the following secondary courses:

- 029990 Agriscience--Introduction
- 991200 Food Products (Meats) I
- 991201 Food Products (Meats) II
- 991202 Food Products (Meats): Fundamentals
- 991203 Food Products (Meats): Custom Operations
- 991204 Food Products (Meats): Basic Meats Processing
- 991205 Food Products (Meats): Advanced Meats Processing

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree or higher from an accredited institution of higher education. The degree must be in a field related to the subject being taught and must be approved by the MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Food Products (Meats) Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 925 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

932 Career Pathway: Fire Science

This endorsement licenses a person to teach the following secondary courses:

- 991050 Fire Science I
- 991051 Fire Science II
- 991052 Fundamentals of Fire Science
- 991053 Beginning Fire Science
- 991054 Intermediate Fire Science
- 991055 Advanced Fire Science

Minimum Requirements for this Endorsement:

5. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in Fire Science or a two – year college degree or higher with documented completion of fire academy training or eighteen (18) hours of acceptable coursework with an earned grade of “C” or higher in the subject area to be taught.

6. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

7. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor’s or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.

An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- All successful applicants must have completed the Mississippi State Fire Academy or equivalent from another state. This training exempts the applicant from any additional occupational competency testing.

8. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP).**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education,
- Applicant must successfully complete the Fire Science Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 932 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

933 Computer Science

This endorsement licenses a person to teach the following secondary courses:

- 000284 Cyber Foundations I
- 000286 Cyber Foundations II

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.

(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Cyber Foundations Certification workshop, module, or course that is approved by the Mississippi Department of Education. This course should include online modules and face to face training.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 933 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

935 Exploring Computer Science

This endorsement licenses a person to teach the following secondary courses:

000283 Exploring Computer Science

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Exploring Computer Science Certification workshop, module, or course that is approved by the Mississippi Department of Education. This course should include online modules and face to face training.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 935 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

936 Career Pathway: Shipbuilding Academy

This endorsement licenses a person to teach the following secondary courses:

- 235070 Naval Architecture Core
- 235075 Naval Architecture I
- 235080 Shipbuilding Core
- 235085 Shipbuilder Exploration
- 235086 Shipbuilder I

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education in Welding, Electrical, Sheet Metal or a closely related field approved by the MDE Program Supervisor.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must earn a passing score on the National Center for Construction Education and Research (NCCER) – Welding written and performance assessments (includes at least seven test plates)
Or
- Applicant must earn a passing score on the National Center for Construction Education and Research (NCCER) Commercial Electrician assessment.
Or
- Applicant must earn a passing score on the National Center for Construction Education and Research (NCCER) Maritime Structural Fitter assessment.
Or
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 936 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

951 Career Pathway: Aquaculture

This endorsement licenses a person to teach the following secondary courses:

- 991600 Aquaculture Technology I
- 991601 Aquaculture Technology II

Requirements for this Endorsement:

1. Education

- Hold a four-year college degree or higher from an accredited institution of higher education in a field of aquaculture or closely related field as approved by MDE Office of Career and Technical Education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Aquaculture Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 951 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

953 Career Pathway: Lodging, Hospitality, and Tourism Management

This endorsement licenses a person to teach the following courses:

- 992100 Lodging, Hospitality, and Tourism Management I
- 992101 Lodging, Hospitality, and Tourism Management II
- 992102 Hospitality Services I
- 992103 Hospitality Services II
- 992104 Hospitality Services III
- 992105 Hospitality Services IV

Minimum Requirements for this Endorsement

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in Lodging and Hospitality, Marketing, Management, Family and Consumer Sciences, or other degree approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold bachelor or higher degree in the subject area to be taught (see #1 above). This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete a Hospitality, and Lodging, Tourism Management Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 953 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

954 Career Pathway: Information Technology

This endorsement licenses a person to teach the following secondary courses:

- 992206 Information Technology Associate I
- 992207 Information Technology Associate II
- 992208 Information Technology Fundamentals I
- 992209 Information Technology Fundamentals II
- 992210 Information Technology Networking I
- 992211 Information Technology Networking II

Minimum Requirements for this Endorsement:

5. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

6. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

7. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- Possess and maintain up-to-date CompTIA A+ Certification or CompTIA IT Fundamentals Certification

AND

- Microsoft MTA Networking Fundamentals OR CompTIA Network+

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

8. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program (**Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.**)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Information Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 954 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

959 Career Pathway: Cosmetology

This endorsement licenses a person to teach the following secondary courses:

- 994700 Cosmetology: Introduction to Cosmetology
- 994701 Cosmetology: Basic Cosmetology
- 994702 Cosmetology: Advanced Cosmetology
- 994703 Cosmetology: Applications of Cosmetology
- 994704 Cosmetology I
- 994705 Cosmetology II
- 994706 Cosmetology III
- 994707 Cosmetology IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attending the established minimal score or higher on assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Currently valid Mississippi Cosmetology Instructor License issued by the State Board of Cosmetology

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 959 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

961 Career Pathway: Healthcare and Clinical Services

This endorsement licenses a person to teach the following secondary courses:

- 995003 Theory and Applications of Health Sciences I
- 995100 Health Sciences (Core)
- 995101 Healthcare and Clinical Services
- 995102 Health Sciences Core I
- 995103 Health Sciences Core II
- 995104 Healthcare and Clinical Services I
- 995105 Healthcare and Clinical Services II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must be a Registered Nurse who is a graduate of an accredited School of Nursing with a two-year (associate) degree or higher. Consideration is being given to requiring 4-year college degree in the future.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must possess and maintain an unrestricted Mississippi Registered Nurse License.
- Applicant must possess and maintain CPR Certification for Health Care Provider Basic Life Support through American Heart Association.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Certification of Online Learning (COOL) workshop, module or course approved by MDE.
- Applicant must successfully complete the Healthcare and Clinical Services Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 961 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

962 Career Pathway: Sports Medicine

This endorsement licenses a person to teach the following secondary courses:

- 995100 Health Sciences Core
- 995102 Health Services Core I
- 995103 Health Services Core II
- 995200 Sports Medicine
- 995202 Sports Medicine: Theory and Application I
- 995203 Sports Medicine: Theory and Application II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education in Physical Therapy, Athletic Training, Kinesiology, or closely related field as approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*
- Applicant must possess and maintain CPR Certification for Health Care Provider Basic Life Support through the American Heart Association.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Certification of Online Learning (COOL) workshop, module or course approved by MDE.
- Applicant must successfully complete the Sports Medicine Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 962 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

963 Career Pathway: Dental Assisting

This endorsement licenses a person to teach the following secondary courses:

- 995100 Health Sciences Core
- 995102 Health Services Core I
- 995103 Health Sciences Core II
- 995300 Dental Assisting

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education in Dental Hygiene or degree approved by the MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*
- Applicant must possess and maintain currently valid certification as Certified Dental Assistant (CDA) as issued by the Dental Assisting National Board.
- Applicant must possess and maintain a Healthcare Provider Basic Life Support Certification through American Heart Association.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP).**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification of Online Learning (COOL) workshop, module or course.
- Applicant must successfully complete the Dental Assisting Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 963 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

964 Career Pathway: Instrumentation

This endorsement licenses a person to teach the following secondary courses:

- 235050 Instrumentation I
- 235051 Instrumentation II
- 235060 Fundamentals of Instrumentation
- 235061 Application of Instrumentation
- 235062 Theory of Instrumentation
- 235063 Advanced Skills of Instrumentation

Minimum Requirements for this Endorsement:

5. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

6. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

7. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
 - Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*
 - Applicant must earn a passing score on the NCCER – Instrumentation written and performance assessments
- Or
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education

8. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Instrumentation Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 964 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

965 Career Pathway: Transportation Logistics

This endorsement licenses a person to teach the following secondary courses:

- 997300 Transportation Logistics I
- 997301 Transportation Logistics II
- 997302 Fundamentals of Transportation Logistics
- 997303 Receiving and Stocking
- 997304 Materials Handling
- 997305 Supply Chain Management

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education. The degree must be in an appropriate, related field approved by the MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicant must successfully pass three CPSM Examinations:
 - CPSM Exam 1 – Foundation of Supply Management
 - CPSM Exam 2 – Effective Supply Management Performance
 - CPSM Exam 3 – Leadership in Supply Management

CPSM examinations require three years of full-time professional supply management experience (non-clerical, non-support) with an associate degree from a regionally accredited institution (or international equivalent) OR five-years of full-time professional supply management experience (non-clerical, non-support) If applicant is C.P.M. in good standing, s/he must successfully pass the Bridge Examination (Pearson VUE test centers)

Or

- Global Logistics Associate (GLA) – Entry Level Workforce, High School Logistics and Transportation Career Academy, and Community College Certification.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Transportation Logistics Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 965 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license),

and all requirements stated above must be satisfied prior to the ending date of that license.

966 Career Pathway: Automotive Service Technician

This endorsement licenses a person to teach the following secondary courses:

- 997000 Automotive Service I
- 997001 Automotive Service II
- 997002 Automotive Service Fundamentals I
- 997003 Automotive Service Fundamentals II
- 997004 Automotive Service Fundamentals III
- 997005 Automotive Service Fundamentals IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*
- Applicant must hold ASE Certifications in the following five areas:
 - a) Steering and Suspension (test A4)
 - b) Brakes (test A5)
 - c) Electrical/Electronics (test A6)
 - d) Engine Performance (test A8)
 - e) Maintenance and Light Repair (test G1)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Automotive Service Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 966 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year

endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

967 Career Pathway: Collision Repair Technician

This endorsement licenses a person to teach the following secondary courses:

- 997100 Collision Repair I
- 997101 Collision Repair II
- 997102 Fundamentals of Collision Repair
- 997103 Intermediate Painting and Refinishing
- 997104 Advanced Fundamentals of Collision Repair
- 997105 Advanced Painting and Refinishing

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*
- Applicant must hold currently valid and up-to-date ASE Certification in Painting and Refinishing (test B2) or I-CAR Certification in Painting and Refinishing that is equivalent to Test B2.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Collision Repair Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 967 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

968 Career Pathway: Diesel Service Technician

This endorsement licenses a person to teach the following secondary courses:

- 997200 Diesel Service Technician I
- 997201 Diesel Service Technician II
- 997202 Fundamentals of Diesel Systems and Components
- 997203 Diesel Electrical/Electronic Systems
- 997204 Diesel Engine Performance
- 997205 Diesel Auxiliary Components and Systems

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*
- Applicant must hold ASE Certifications in the following three areas:
 - a) Medium & Heavy Duty Truck (test Diesel T2)
 - b) Electrical/Electronics (test T6)
 - c) Preventative Maintenance (test T8)

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Diesel Service Technician Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 968 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

969 Career Pathway: Precision Machining

This endorsement licenses a person to teach the following secondary courses:

- 993403 Precision Machining I
- 993404 Precision Machining II
- 993405 Fundamentals of Precision Machining
- 993406 Application of Precision Machining
- 993407 Theory of Precision Machining
- 993408 Advanced Skills of Precision Machining

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- National Institute for Metalworking Skills (NIMS) Certification as follows: NIMS, Level 1 Certificate

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Precision Machining Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 969 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

970 Career Pathway: Early Childhood

This endorsement licenses a person to teach the following secondary courses:

- 996200 Early Childhood I
- 996201 Early Childhood II
- 996202 Fundamentals of Early Childhood Education
- 996203 Child Development
- 996204 The Learning Environment
- 996205 Management of a Quality Child Care Program

Minimum Requirements for this Endorsement:

1. Education:

- Applicant must have earned a bachelor's degree or higher from an accredited institution of higher education in the area of Early Childhood, Elementary Education, Family & Consumer Sciences, Human Services, Human Sciences, or an appropriate, related field approved by the MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency:

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience:

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. **(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)**
- Applicant must earn and maintain CPR Certification.
- Applicant must earn and maintain First Aid Certification.

4. Teacher Education Preparation and Related Assessment(s) of that Education:

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Early Childhood Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 970 endorsement – five - year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

972 Career Pathway: Culinary Arts

This endorsement licenses a person to teach the following secondary courses:

- 996000 Culinary Arts I
- 996001 Culinary Arts II
- 996002 Orientation to Culinary Arts
- 996004 Theory and Application of Culinary Arts I
- 996005 Theory and Application of Culinary Arts II
- 996006 Advanced Studies in Culinary Arts

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- Applicants must successfully complete the Manager and Instructor ServSafe® Certification exams and keep them current.
- Applicants must successfully complete all components of national Prostart® Certification program.
OR
- Applicants must successfully complete at least 48 hours of Culinary Arts mini – courses offered by the Mississippi University for Women.
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.
- *Applicants that have a bachelor’s degree or higher in Culinary are exempt from the Prostart and Culinary Arts mini – courses.*

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Culinary Arts Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 972 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

973 Career Pathway: Industrial Maintenance

This endorsement licenses a person to teach the following secondary courses:

- 993001 Industrial Maintenance
- 993002 Fundamentals of Industrial Maintenance
- 993003 Application of Industrial Maintenance
- 993011 Industrial Maintenance II
- 993012 Theory of Industrial Maintenance
- 993013 Advanced Skills Industrial Maintenance

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Industrial Maintenance Support Mechanic assessment
- OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Industrial Maintenance Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 973 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

974 Career Pathway: Heating, Ventilation, and Air Conditioning

This endorsement licenses a person to teach the following secondary courses:

- 993018 Fundamentals of HVAC
- 993019 Application of HVAC
- 993020 HVAC I
- 993021 HVAC II
- 993022 Beginning HVAC
- 993023 Advanced HVAC

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Heating, Ventilation, and Air Conditioning Technician assessment.

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the HVAC Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 974 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

975 Career Pathway: Welding

This endorsement licenses a person to teach the following secondary courses:

- 993300 Introduction to Welding
- 993301 Advanced Welding
- 993302 Orientation and Cutting
- 993303 Shielded Metal Arc Welding (SMAW)
- 993304 Advanced Welding I
- 993306 Advanced Welding II
- 993305 Production Welding Processes

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. ***An educator with a standard five – year license may use experience outside of the ten – year timeframe.***
- Applicant must earn a passing score on a Welding (performance & written)* Assessment: TOCA at RCU—Welding or hold American Welding Society (AWS) Certification or NCCER welding assessment. The performance assessment should include successful completion of seven test plates out of the fourteen test plates listed in the curriculum (please see curriculum for list).
Or
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the NCCER Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Welding Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 975 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

* Effective SY '19 – 20, both assessments will be required for all new applicants with a 975 endorsement issued after final State Board approval.

976 Career Pathway: Metal Fabrication

This endorsement licenses a person to teach the following secondary courses:

- 993206 Metal Fabrication I
- 993207 Metal Fabrication II
- 993208 Fundamentals of Metal Fabrication
- 993209 Application of Metal Fabrication
- 993210 Theory of Metal Fabrication
- 993211 Advanced Skills of Metal Fabrication

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- National Institute for Metalworking Skills (NIMS) Certification as follows:
NIMS, Level 1 Certificate

OR

- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Manufacturing Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 976 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

977 Career Pathway: Carpentry

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993110 Carpentry
- 993111 Theory and Application of Carpentry I
- 993112 Theory and Application of Carpentry II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Commercial Carpentry assessment.
OR
- Hold a currently valid Residential Builder’s License, based on results of required examination, and issued from Mississippi State Board of Contractors.
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 977 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

978 Career Pathway: Electrical

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993120 Electrical
- 993121 Theory and Application of Electrical I
- 993122 Theory and Application of Electrical II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Commercial Electrician assessment.
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 978 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

979 Career Pathway: Masonry

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993130 Masonry
- 993131 Theory and Application of Masonry I
- 993132 Theory and Application of Masonry II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- Teacher Occupational Competency Assessment at Mississippi State University’s Research and Curriculum Unit in the following area: TOCA at RCU—Masonry
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 979 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

980 Career Pathway: Plumbing

This endorsement licenses a person to teach the following secondary courses:

- 993101 Construction
- 993102 Safety and Orientation to Construction
- 993103 Introduction to Construction
- 993140 Plumbing
- 993141 Theory and Application of Plumbing I
- 993142 Theory and Application of Plumbing II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- National Center for Construction Education and Research (NCCER), National Craft Assessment and Certification Program: Earn required score on Plumber assessment.
- OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Construction Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 980 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

986 Career Pathway: Architecture and Drafting

This endorsement licenses a person to teach the following secondary courses:

- 994300 Architectural Design and Drafting I
- 994301 Architectural Design and Drafting II
- 994302 Concepts of Drafting
- 994303 Drafting and Design
- 994304 Architectural Drafting
- 994305 Architectural Drafting Application

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- American Design Drafting Association Certification: ADDA Certified Drafter-Architectural
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Architecture and Drafting Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 986 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

989 Career Pathway: Polymer Science

This endorsement licenses a person to teach the following secondary courses:

- 994500 Polymer Science I
- 994501 Polymer Science II
- 994502 Introduction to Polymer Science I
- 994503 Introduction to Polymer Science II
- 994504 Advanced Topics in Polymer Science
- 994505 Careers in Polymer Science

Minimum Requirements for this Endorsement:

1. Education

- Applicant must hold a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. The degree must be in polymer science, chemistry, or other appropriate field of science and must be approved by MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.
- All successful applicants must hold a bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Polymer Science Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 989 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

993 Career Pathway: Agriculture Power and Machinery

This endorsement licenses a person to teach the following secondary courses:

- 029990 Agriscience--Introduction
- 991300 Agriculture Technology & Mechanical Systems (Core)
- 991301 Agriculture Power and Machinery
- 991302 Agriculture Power and Machinery: Introduction to Agricultural Technology & Mechanical Systems (Core)
- 991303 Agriculture Power and Machinery: Basic Equipment Systems, Maintenance and Repair (Core)
- 991304 Agriculture Power and Machinery: Diesel and Hydraulic Systems and Advanced Cutting
- 991305 Agriculture Power and Machinery: Advanced Equipment Systems, Maintenance and Repair

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree or higher from an accredited institution of higher education. The degree must be in a field related to the subject being taught and must be approved by the MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least three years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Agriculture Power and Machinery Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 993 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

934 Career Pathway: Business, Marketing, and Finance

This endorsement licenses a person to teach the following secondary courses:

992004 Business, Marketing, and Finance I
992005 Business, Marketing, and Finance II
992404 Fundamentals of Business and Entrepreneurship
992403 Marketing
992309 Management
992003 Finance

Minimum Requirements for this Endorsement:

1. Education:

- Applicant must have earned a bachelor's degree or higher from an accredited institution of higher education in the area of Business or hold a currently valid five-year license in 105 Business Education, 405 Business Management, 192 Social Studies, or 193 Economics.

2. Technology Literacy and Related Assessment of that Competency:

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience:

- Applicants with a bachelor's or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. **(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)**

This endorsement requires the following assessment(s) of occupational expertise:

- Earn the required score on the Entrepreneurship and Small Business assessment.
<https://certiport.pearsonvue.com/Certifications/ESB/Certification/Overview>

4. Teacher Education Preparation and Related Assessment(s) of that Education:

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Master Teacher of Economics program as approved by the MDE.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Business, Marketing, and Finance Certification workshop, module, or course that is approved by the Mississippi Department of Education.*

Note: If the applicant meets all requirements listed above, that applicant will be issued a 934 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

*** Teachers with a currently valid five – year 952 Business Finance and Accounting, 955 Business Management, and/or 956 Marketing endorsement will have three years (June 30, 2023) to complete the updated curriculum training for the certification.**

948 Family and Consumer Sciences (non-education)

This endorsement licenses a person to teach the following secondary courses:

- 200121 Family Dynamics
- 200122 Child Development
- 200140 Contemporary Health (Grades 9-12)
- 200129 Resource Management
- 200130 Nutrition & Wellness

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree or higher from an accredited institution of higher education in Family and Consumer Sciences (non-education degree), Human Sciences, Human Services, Early Childhood, Nutrition, or a closely related subject area approved by the MDE program supervisor, or pass PRAXIS II, Family and Consumer Science. **(An educator with a 321 endorsement automatically qualifies for a three – year provisional 948 endorsement.)**

2. Technology

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught. **(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)**
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a *Learning Management Systems Fundamentals* or C.O.O.L. workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete training for updated curricula in Family and Consumer Sciences. This requirement may be a workshop, module or course that is approved by the Mississippi Department of Education. **(Exception: Teachers with a currently valid license and endorsement #321 are exempt from this requirement; however, those teachers are strongly encouraged to attend this educator training.)**
- Applicant must successfully complete the Contemporary Health – Grades 9-12 workshop, module or course that is approved by the MDE.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 948 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

949 Family and Consumer Sciences (education)

This endorsement licenses a person to teach the following secondary courses:

- 200121 Family Dynamics
- 200122 Child Development
- 200140 Contemporary Health (Grades 9-12)
- 200129 Resource Management
- 200130 Nutrition & Wellness

Minimum Requirements for this Endorsement:

1. Education

- A bachelor degree in Home Economics/Family and Consumer Sciences Education—this must be a teacher education degree that includes student teaching and passing score on PRAXIS Core, Principles of Learning and Teaching and passing score on PRAXIS II, Home Economics/Family and Consumer Science. Or complete an academic alternate route see Office of Licensure Guidelines. Or applicant with a valid educator license can earn a passing score on PRAXIS II, Family and Consumer Science. **(An educator with a 322 endorsement automatically qualifies for a three – year provisional 949 endorsement.)**

2. Technology

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education

- Applicant must successfully complete a *Learning Management Systems Fundamentals* or C.O.O.L. workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete training for updated curricula in Family and Consumer Sciences. This requirement may be a workshop, module or course that is approved by the Mississippi Department of Education. **(Exception: Teachers with a currently valid license and endorsement #322 are exempt from this requirement; however, those teachers are strongly encouraged to attend this educator training.)**
- Applicant must successfully complete the Contemporary Health – Grades 9-12 workshop, module or course that is approved by the MDE

Note: If the applicant meets all requirements listed above, that applicant will be issued a 949 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

958 Career Pathway: Television Broadcasting and Production

This endorsement licenses a person to teach the following secondary courses:

- 994600 Broadcast Journalism I
- 994601 Broadcast Journalism II
- 994602 Television Broadcasting and Production I
- 994603 Television Broadcasting and Production II
- 994604 Television Broadcasting and Production III
- 994605 Television Broadcasting and Production IV

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in Arts, Audio-Video Technology and Communication or closely related field as approved by MDE Supervisor of Program Area.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- Complete Approved Training in Final Cut Pro, Adobe Premiere Pro, Avid, or Davinci
OR
- Other teacher occupational competency assessment approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Television Broadcasting and Production Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 958 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

985 Career Pathway: Engineering

This endorsement licenses a person to teach the following courses:

- 994000 Engineering I
- 994001 Engineering II
- 994002 Engineering Fundamentals
- 994003 Engineering Design
- 994004 Systems in Engineering
- 994005 Applying Engineering Concepts

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in engineering, mathematics, physics, chemistry, computer science, electrical technology, electronics technology, industrial technology, engineering technology or an appropriate field of science (approved by MDE program coordinator) or currently have one of the following endorsements: 154 - Math, 185 or 627 – Chemistry, 189 or 629 or 630 or 631 – Physics, 609 or 610 – Calculus, 612 or 613 – Computer Science.

2. Technology Literacy and Related Assessment

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught. **(Exception: Those teachers that have a currently valid five-year license are not required to have the occupational experience.)**
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Engineering Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 985 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

987 Career Pathway: Digital Media Technology

This endorsement licenses a person to teach the following secondary courses:

- 994100 Digital Media Technology I
- 994101 Digital Media Technology II
- 994108 Orientation to Digital Media
- 994109 Fundamentals of Digital Media
- 994110 Theory and Applications of Digital Media I
- 994111 Theory and Applications of Digital Media II

Minimum Requirements for this Endorsement:

1. Education

- Hold a two-year college degree or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught. *An educator with a standard five – year license may use experience outside of the ten – year timeframe.*

This endorsement requires the following assessment(s) of occupational expertise:

- Complete Approved Training in Final Cut Pro, Adobe Premiere Pro, Avid, or Davinci
- AND
- Earn Adobe Certified Associate Certification in the following areas

Photo editing
Graphic Design

OR

- Other teacher occupational competency assessment(s) approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Digital Media Technology Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 987 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

988 Career Pathway: Simulation and Animation Design and Development

This endorsement licenses a person to teach the following secondary courses:

- 994400 Simulation and Animation Design and Development I
- 994401 Simulation and Animation Design and Development II
- 994402 Ethics, Design Theory, and Photography
- 994403 Design Visualization and Character Development
- 994404 Audio and Video Production
- 994405 Business, Evaluation, and Development of Simulation and Animation Projects

Minimum Requirements for this Endorsement:

1. Education

- Applicant must hold a four-year college degree (bachelor’s degree) or higher from an accredited institution of higher education. The degree must be in a related field or must be approved by MDE program coordinator.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

3. Occupational Experience and Related Assessment of that Experience

- Verification of at least one year of occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

This endorsement requires the following assessment(s) of occupational expertise:

- Earn Adobe Certified Associate Certification in all the following areas:
Photo Editing
Graphic Design

OR
- Other teacher occupational competency assessment(s) approved by MDE Office of Career and Technical Education.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Video Game Design and Development Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 988 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

309 Secondary Special Populations Personnel

Educators with at least three (3) years of teaching experience who meet the following requirements are eligible to serve as teacher or coordinator of students in special populations (aka: student services coordinator) and provide them with educational services.

This endorsement requires the following:

1. Bachelor’s degree with a teacher license in one of the following:

<u>Endorsement</u>	<u>Subject Area/Major</u>
117	Elementary Education (4-8)
116 & 117	Elementary Education (K – 3) & Elementary Education (4 – 6)
152	Elementary Education (K – 4)
119	English (7-12)
120	Elementary Education (K – 6)
154	Mathematics (7-12)
174	Remedial Reading (K-12)
177	English as a Second Language (K-12)
181	Biology Education (7-12)
206	Emotional Disability (K-12)
207	Gifted (K-12)
221	Mild/Moderate Disability (K-12)
224	Mild/Moderate Disability (7-12) *

2. Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education. (Exception: Educators with a five-year 309 endorsement do not have to complete this requirement.)

4. Completion of an approved three (3) semester credit course in History, Philosophy, or Principles of Vocational Education OR completion of the comparable education module at the RCU at MSU.

Note: If the applicant meets all requirements listed above, that applicant will be issued a 309 endorsement—a five-year license. If the applicant meets the educational and endorsement requirements, but does not meet all other requirements, the applicant may be issued a three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.

Note: For those persons who served as Special Populations Personnel (secondary level) prior to July 1, 2009, no additional requirements are imposed. At the time of their renewal, the endorsement #309 will be added (provided all other renewal requirements are met). Teachers who seek an initial #309 endorsement on or after July 1, 2009, must meet all requirements stated above.

*** Note: Effective July 1, 2017, the Office of Career and Technical Education will no longer accept the endorsement code 224. Those educators that already have the 309 will not be affected by the change.**

Career Pathway: Advanced Manufacturing

This endorsement licenses a person to teach the following secondary courses:

- ##### Basics of Advanced Manufacturing
- ##### Fundamentals of Advanced Manufacturing
- ##### Processes of Advanced Manufacturing
- ##### Production in Advanced Manufacturing
- ##### Advanced Manufacturing I
- ##### Advanced Manufacturing II

Minimum Requirements for this Endorsement:

1. Education

- Applicant must have earned a two-year college degree (associate degree) or higher from an accredited institution of higher education.

2. Technology Literacy and Related Assessment of that Competency

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessments for this license are IC3 or other approved MDE substitute.

3. Occupational Experience and Related Assessment of that Experience

- Applicants with an associate degree must have at least two years of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
- Applicants with a bachelor or higher degree must have at least one year of verifiable occupational experience in the past ten years. Experience must be appropriate to the subject to be taught.
An educator with a standard five – year license may use experience outside of the ten – year timeframe.

To show occupational expertise, this endorsement requires the following:

- All applicants must complete an externship with a manufacturing company (or companies) of forty hours in length. Externship must be approved by MDE.

4. Teacher Education Preparation and Related Assessment(s) of that Education

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program.
(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete the Contren Instructor Certification.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Advanced Manufacturing Certification workshop, module, or course that is approved by the Mississippi Department of Education.

Note: If the applicant meets all requirements listed above, that applicant will be issued a ### endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.