

OFFICE OF CHIEF ACADEMIC OFFICER
Summary of State Board of Education Agenda Items
Consent Agenda
November 12, 2021

OFFICE OF CAREER AND TECHNICAL EDUCATION

- F. Approval to begin the Administrative Procedures Act process: To revise selected Mississippi Secondary Curriculum Frameworks in Career and Technical Education

Executive Summary

The Mississippi Secondary Curriculum Frameworks have a two-year or four-year curricula revision cycle. The revision cycle includes input from local district personnel and business/industry partners. Approved secondary curricula will be disseminated for implementation in the 2022-2023 school year.

The following secondary curriculum frameworks are recommended for approval:

1. Principles of Agriscience (Miss. Admin. Code 7-180)
2. Diversified Agriculture Mechanization Core (Miss. Admin. Code 7-171)
3. Diversified Agriculture Plants Core (Miss. Admin. Code 7-177)
4. Diversified Agriculture Animals Core (Miss. Admin. Code 7-173)
5. Diversified Agriculture Environment Core (Miss. Admin. Code 7-175)
6. Diversified Agriculture Agribusiness Core (Miss. Admin. Code 7-179)
7. Early Childhood Education (Miss. Admin. Code 7-166)
8. Cosmetology (Miss. Admin. Code 7-80)
9. Architecture and Drafting (Miss. Admin. Code 7-151)
10. Furniture Design and Manufacturing (Miss. Admin. Code 7-155)
11. Automotive Service Technician (Miss. Admin. Code 7-128)

All curricula frameworks are designed to provide local programs with an instructional foundation that can be used to develop localized instructional management plans and course syllabi. Additionally, the frameworks include the following elements for each revised secondary curriculum:

- ❖ Program
- ❖ Description
- ❖ Classification of Instructional Program (CIP) Code and CIP Name
- ❖ Course Outline and Codes
 - Curriculum
 - Student Competencies

➤ Suggested Student Objectives

Recommendation: Approval

Back-up material attached

Summary of Secondary Curricula Changes for Career and Technical Education

2022 Principles of Agriscience

- Document in new curriculum format.
- Competencies and objectives reflect current standards and industry recommendations.
- New course name.
- Combined former Concepts of Agriscience and Introduction to Agriscience documents into one new curriculum.
- Unit 1: Pulled from Introduction to Agriscience.
- Unit 2: Pulled from Introduction to Agriscience.
- Unit 3: Combined Unit 2 of Concepts of Agriscience and Unit 3 of Introduction to Agriscience.
- Unit 4: New unit, revising Unit 3 of Concepts of Agriscience and Unit 4 of Introduction to Agriscience to meet new National FFA language for Supervised Agricultural Experience (SAE) programs.
- Unit 5: Combined Unit 5 of Introduction to Agriscience and Unit 8 from Concepts of Agriscience.
- Unit 6: Combined Unit 4 from Concepts of Agriscience and Unit 10 from Introduction to Agriscience.
- Unit 7: Pulled from Unit 6 in Introduction to Agriscience.
- Unit 8: Combined Unit 5 in Concepts of Agriscience and Unit 8 in Introduction to Agriscience.
- Unit 9: Combined Unit 6 in Concepts of Agriscience and Unit 7 in Introduction to Agriscience.
- Unit 10: Pulled from Unit 9 of Concepts of Agriscience.

2022 Diversified Agriculture Mechanization Core

- Document in new curriculum format.
- Competencies and objectives reflect current standards and industry recommendations.
- New course name.
- Combined former AEST Science of Agricultural Mechanization Levels I and II.
- Unit 1: Combined Unit 1 from both Level I and II while adding new National FFA language for Supervised Agricultural Experience (SAE) programs.
- Unit 2: Pulled from Unit 2 of Level I.
- Unit 3: Pulled from Unit 2 of Level II.
- Unit 4: New unit.
- Unit 5: Renamed and revised Unit 3 from Level I.
- Unit 6: Pulled from Unit 3 of Level II.
- Unit 7: Pulled from Unit 4 of Level II.
- Unit 8: Combined Units 6 and 7 from Level II.
- Unit 9: Pulled from Unit 5 of Level II.

2022 Diversified Agriculture Plants Core

- Document in new curriculum format.
- Competencies and objectives reflect current standards and industry recommendations.
- New course name.
- Combined former AEST Science of Agricultural Plants Levels I and II.
- Unit 1: Combined Unit 1 from both Level I and II while adding new National FFA language for Supervised Agricultural Experience (SAE) programs.
- Unit 2: Renamed Unit 2 from Level II.
- Unit 3: Pulled from Unit 3 of Level II.
- Unit 4: Renamed Unit 4 from Level II.
- Unit 5: Pulled from Unit 6 of Level I and Unit 5 of Level II.
- Unit 6: Pulled from Unit 6 of Level II.
- Unit 7: Pulled from Unit 7 of Level II.
- Unit 8: Pulled from Unit 8 of Level II.
- Unit 9: Renamed Unit 9 from Level II.
- Unit 10: Pulled from Unit 10 of Level II.
- Unit 11: Renamed Unit 11 from Level II.

2022 Diversified Agriculture Animals Core

- Document in new curriculum format.
- Competencies and objectives reflect current standards and industry recommendations.
- New course name.
- Combined former AEST Science of Agricultural Animals Levels I and II.
- Unit 1: Combined Unit 1 from both Level I and II while adding new National FFA language for Supervised Agricultural Experience (SAE) programs.
- Unit 2: Pulled from Unit 2 of Level I.
- Unit 3: New unit from National Beef Quality Assurance curriculum.
- Unit 4: Pulled from Unit 2 of Level II.
- Unit 5: Pulled from Unit 3 of Level I.
- Unit 6: Pulled from Unit 5 of Level I.
- Unit 7: Pulled from Unit 4 of Level II.
- Unit 8: Pulled from Unit 5 of Level II.
- Unit 9: Pulled from Unit 6 of Level II.
- Unit 10: Pulled from Unit 8 of Level I and Unit 7 of Level II.

2022 Diversified Agriculture Environment Core

- Document in new curriculum format.
- Competencies and objectives reflect current standards and industry recommendations.
- New course name.
- Combined former AEST Science of Agricultural Environment Levels I and II.

- Unit 1: Combined Unit 1 from both Level I and II while adding new National FFA language for Supervised Agricultural Experience (SAE) programs.
- Unit 2: Pulled from Unit 2 of Level II.
- Unit 3: Pulled from Unit 3 of Level II.
- Unit 4: Pulled from Unit 4 of both Level I and II.
- Unit 5: Pulled from Unit 5 of Level II.
- Unit 6: Pulled from Unit 6 of both Level I and II.
- Unit 7: Pulled from Unit 7 of both Level I and II.

2022 Diversified Agriculture Agribusiness Core

- Document in new curriculum format.
- Competencies and objectives reflect current standards and industry recommendations.
- New course name.
- Combined former AEST Science of Agribusiness Levels I and II.
- Unit 1: Combined Unit 1 from both Level I and II while adding new National FFA language for Supervised Agricultural Experience (SAE) programs.
- Unit 2: Combined Unit 2 from Levels I and II.
- Unit 3: Combined Unit 3 from Levels I and II.
- Unit 4: Pulled from Unit 4 of Level I.
- Unit 5: Pulled from Unit 4 of Level II.
- Unit 6: Pulled from Unit 5 of Level II.
- Unit 7: Pulled from Unit 6 of Level II.
- Unit 8: Combined Unit 5 from Level I and Unit 7 from Level II.
- Unit 9: Pulled from Unit 8 of Level II.
- Unit 10: Combined Unit 6 from Level I and Unit 9 from Level II.
- Unit 11: Pulled from Unit 10 of Level II.

2022 Early Childhood Education

- Document placed in newest curriculum format.
- Adjusted competencies and objectives to facilitate College and Career Ready standards and 21st Century Learning.
- Reduced the number of units from 11 to 8
- Unit 1 changed to Program Orientation, competencies and objectives updated.
- Unit 2 changed to Child Development: Infants – Three Year Old's, competencies and objectives updated.
- Unit 3 changed to Child Development II: Four Year Old's and Special Needs Population, competencies and objectives updated.
- Unit 4 changed to Preparing a Healthy and Safe Environment, competencies and objectives updated.
- Unit 5 changed to Learning Environment, competencies and objectives updated.
- Unit 6 changed to Curriculum Development, competencies and objectives updated.

- Unit 7 changed to Family and Community Relationships, competencies and objectives updated.
- Unit 8 changed to Career Development and Professionalism, competencies and objectives updated.
- Unit 10 changed to Hairstyling, competencies and objectives updated.
- Previous Unit 10, Management and Administration was integrated throughout all units.
- Unit 6 was deleted.
- Competencies and objectives in the previous Unit 5 are integrated in Units 2, 3, 5, and 6.
- Competencies and objectives in the previous Unit 7 are integrated in Units 4 and 5.
- Student Competency Profile changed to reflect unit moves/updates.
- Moved Unit references (Appendix A) to Teacher Resource Document.
- Edited appendices to reflect new standards and industry alignment.

2022 Cosmetology

- Document placed in newest curriculum format.
- Adjusted competencies and objectives to facilitate College and Career Ready standards and 21st Century Learning.
- Reduced the number of units from 21 to 16.
- Unit 1 title changed to Program Orientation, competencies and objectives updated.
- Unit 2 title changed to Safety and Infection Control, competencies and objectives updated.
- Unit 3 changed to Anatomy and Physiology, competencies and objectives updated.
- Unit 4 changed to Introduction to Skin and Nail Care, competencies and objectives updated.
- Unit 6 changed to Basic Chemistry and Electricity, competencies and objectives updated.
- Unit 7 changed to Principles of Hair Design, competencies and objectives updated.
- Unit 8 changed to Shampooing and Conditioning, competencies and objectives updated.
- Unit 9 changed to Haircutting, competencies and objectives updated.
- Unit 10 changed to Hairstyling, competencies and objectives updated.
- Unit 11 changed to Braids, Hair Additions, and Enhancements, competencies and objectives updated.
- Unit 12 changed to Chemical Texture Services, competencies and objectives updated.
- Unit 13 changed to Hair Coloring, competencies and objectives updated.
- Unit 14 changed to Facials and Makeup, competencies and objectives updated.

- Unit 16 changed to Professional Development, competencies and objectives updated.
- Unit 18 and 19 were combined into Unit 14, competencies and objectives updated.
- Unit 17 was deleted.
- Unit 20 was deleted, and the competencies and objectives were combined into Unit 15.
- Unit 21 was deleted, and the competencies and objectives were revised and added to Unit 16.
- Student Competency Profile changed to reflect unit moves/updates.
- Moved Unit references (Appendix A) to Teacher Resource Document.
- Edited appendices to reflect new standards and industry alignment.

2022 Architecture and Drafting

- Autodesk Certified User: AutoCAD added to Pathway Description and College, Career, and Certifications.
- Grade Level and Class Size Recommendations: Changed class grade level to 9th grade.
- Added: It is preferred that the student complete the program in consecutive years. If not, it is recommended the student complete in no more than three years.
- Course Outline – description and hours adjusted to curriculum changes.
- Career Pathway Outlook – Current and Projected Occupation Report updated.
- Unit 1: Orientation—Removed Competency 2 (included in new unit 2).
- Unit 2: Fundamentals of Student Organizations—New Unit.
- Subsequent units re-numbered.
- Net and gross square feet, and BOMA calculations added to Unit 14.
- Unit 17: Residential Architectural Drafting III—Removed 8.c. Plot the X and Y values of the Cartesian Coordinate System.
- Old Unit 17: Field Applications of Architectural Drafting—Removed (Content is contained in Units 1 and 13).
- Commercial and industrial mentioned throughout document to broaden job outlook for students.
- Code mentioned where appropriate.
- Industry Standards updated for ADDA.
- Autodesk Certified User – AutoCAD standards added.

2022 Furniture Design and Manufacturing

- Course Outline – description and hours adjusted to curriculum changes.
- Career Pathway Outlook – Current and Projected Occupation Report updated.
- Added NCCER Core Units to Year One.
- Subsequent units re-numbered.
- Unit 1: Introduction to Furniture Manufacturing.

- Competency removed – now located in employability Unit.
 - Removed Competency 3 (included in new unit 2).
- Unit 3: Fundamentals of Student Organizations—New Unit.
- Unit 3: General Safety moved to Unit 5 Basic Safety.
- Unit 4: Tool and Equipment Identification and Use Moved to Year 2 Now Unit 17.
 - Changed 2.f from Describe the function of machines used in frame building. (changed function to operation).
- Unit 6: Furniture Frame Patterns I (removed and Layout) now Unit 11.
 - 1.a. removed and layout.
- Unit 7: Cutting and Assembling Frames I Now Unit 12.
 - 1.a. changed radial arm saw to miter saw.
- Unit 8: Measure, Lay Out, and Cut Fabrics I Now Unit 13.
 - Competency 3: changed Identify to Apply.
- Unit 9: Sewing Procedures I Now Unit 14.
 - 1.c. changed to Describe each part of a sewing machine and the tasks they perform.
 - Competency 2 added a. Thread a sewing machine.
 - and b. became b. and c.
- Furniture Upholstery I Now Unit 15.
- Removed old Unit 10: Special Topics in Furniture Manufacturing and Upholstery I.
- Unit 11: Name changed to Orientation and Safety Now Unit 16.
 - Added Competency 1.
 - Changed Material Safety Data Sheet (MSDS) to Safety Data Sheet (SDS).
 - Removed Objective 2.b. Describe the approved storage procedures for flammable materials found in the unholstered furniture shop.
 - Added the Safety Note.
- Unit 17 Tool and Equipment Identification and Use Moved from year 1 Old unit 12 for Furniture Upholstery Tools competencies added to this unit.
- Unit 18 Measurement moved from year 1.
- Unit 13 Furniture Padding, Hardware, and Support System Components Now Unit 19.
- Unit 14 furniture Frame Patterns and Layout II Now Unit 20.
- Unit 15: Cutting and Assembling Frames II Now Unit 21.
 - Removed 2.b. Assemble recliner frames.
- Unit 16: Computerized Numerical Control New Unit Now Unit 22.
- Unit 17: Measure, Layout, and Cut Fabrics II Now Unit 23.
 - Competency 2 – Changed Identify to Apply.
 - 2.d. added fabric to Observe automated fabric cutting equipment.
- Unit 18: Sewing Procedures II – edited 1.c. and 3.a.
 - Removed 3.b. content contained in a. after changes. Now Unit 24.
- Furniture Upholstery II Now Unit 25.
- Old Unit 19: removed - Special Topics in Furniture Manufacturing and Upholstery II.
- Industry Standards updated to reflect Changes.

2022 Automotive Service Technician

- The automotive curriculum was directly aligned to the 2021 ASE Tasklist with written permission from ASE.
- The course outline and all unit names and content were changed to reflect the ASE Tasklist.
- The course outline hours were adjusted to reflect the needs of each ASE task within the perimeters of the state guidelines.
- The Industry Standards reflect the revisions made in the 2021 ASE Standards and Tasklist.