

**OFFICE OF CHIEF ACADEMIC OFFICER**  
**Summary of State Board of Education Agenda Items**  
**December 18-19, 2014**

**OFFICE OF CAREER AND TECHNICAL EDUCATION**

12. Approval to begin the Administrative Procedures Act process: To revise the Mississippi Secondary Curriculum Frameworks in Career and Technical Education for (1) Carpentry, (2) Collision Repair Technician, (3) Cosmetology, (4) Metal Fabrication, (5) Polymer Science, (6) Precision Machining, (7) Television Broadcasting and Production

**Executive Summary**

The Mississippi Secondary Curriculum Frameworks have a four-year curricula revision cycle. The revision cycle includes input from local district personnel and business/industry collaborators. Approved secondary curricula will be disseminated for implementation in the Fall 2015.

The following secondary curriculum frameworks are recommended for approval:

1. Carpentry
2. Collision Repair Technician
3. Cosmetology
4. Metal Fabrication
5. Polymer Science
6. Precision Machining
7. Television Broadcasting and Production

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 curricula:

- ❖ Program
- ❖ Description
- ❖ CIP Code and CIP Name
- ❖ Course Outline and Codes
  - Curriculum
  - Student Competencies
  - Suggested Student Objectives

NOTE: The Office of Career and Technical Education has provided executive summaries of the curriculum framework revisions. The detailed documents are available upon request.

Recommendation: Approval

Back-up material attached

## **Summary of Secondary Curricula Changes for Career & Technical Education**

### **Carpentry**

- Modification in the national standards was the driving force for the revision of the curriculum
- Alignment to national standards to allow for industry certification testing to meet national standards to keep nationally certified programs in compliance

### **Collision Repair**

- Alignment to the ASE and ICAR standards for technicians updated
- Updated the alignment to NATEF for program certification
- Curriculum alignment to national standards correspond with industry certification testing

### **Cosmetology**

- Updated to reflect changes in the state board certification standards
- Hours changed to reflect the current amount of contact hours
- Similar subject matter was combined to reorganize the units

### **Metal Fabrication**

- Metal Fabrication and Precision Machining were divided into individual programs
- The division brought clarification to the industry standards
- Improved alignment for the state assessment test and industry testing

### **Polymer Science**

- Credit for academic chemistry called for stronger alignment to the academic curriculum
- Industry needs called for the addition of a ceramics unit
- Performance based assessment called for a more streamlined curriculum to ensure the correct methods were taught statewide

### **Precision Machining**

- Hours were updated to reflect the teaching time spent with the students
- Updated because of the division of Precision Machining and Metal Fabrication
- Precision Machining is a part of the manufacturing pathway but should be separated from Welding and Metal Fabrication

### **Television Broadcasting and Production**

- The curriculum had not been updated 11 years
- Revision followed recommendations from industry advisors
- Updated to align to technological changes in the industry