

OFFICE OF CHIEF ACADEMIC OFFICER
Summary of State Board of Education Agenda Items
Consent Agenda
November 7, 2019

OFFICE OF CAREER AND TECHNICAL EDUCATION

- C. Approval to establish Mississippi Secondary Curriculum Framework in Career and Technical Education – Manufacturing, Instrumentation
(Has cleared the Administrative Procedures Act process without public comment)

Executive Summary

The Instrumentation Technology program provides a foundation of knowledge to prepare students for employment or continued education in several occupations related to the instrumentation industry such as industrial instrumentation, measurement, welding and industrial maintenance. The curriculum framework for this program was developed in partnership with the Mississippi Construction Education Foundation (MCEF). MCEF is the accredited sponsor for the National Center for Construction Education and Research (NCCER).

When developing this curriculum, the authors recognized the importance of incorporating differentiated instruction and the needs of the 21st-Century learners. Therefore, teaching strategies include a blend of online and face-to-face instruction aligned with NCCER Connect e-books, online lectures, video presentations, online quizzes, active figures, and Spanish content. Students will have access to this information to learn new content as well as to review, reinforce, or revise their work.

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 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

The back-up for Tab C is on the Career and Technical Education (CTE) web page for your review. Below is the link to the CTE back-up materials.

<http://www.mdek12.org/CTE#>

A copy of the framework is on the side table for your review.