

**OFFICE OF CHIEF ACADEMIC OFFICER**  
**Summary of State Board of Education Agenda Items**  
**January 18, 2018**

**OFFICE OF CAREER AND TECHNICAL EDUCATION**

03. Action: Begin the Administrative Procedures Act process: To establish Mississippi Secondary Curriculum Framework for Aquaculture Technology in Career and Technical Education [Goal 2 – MBE Strategic Plan]

**Executive Summary**

Aquaculture technology is an instructional program designed to prepare students to enter occupations related to the field. Upon completion of the two-year program, graduates may become employed at the entry level or further pursue the field through a postsecondary program. The concepts taught in this program include aquatic animals and plants, basic water management, hatchery and culture methods, and aquatic farm management. Industry standards were adapted from the *Career Cluster Resources for Agriculture, Food, and Natural Resources*, which is copyrighted by the National Association of State Directors of Career Technical Education.

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

NOTE: The Office of Career and Technical Education has provided an Executive Summary of the curriculum framework.

This item references Goal 2 of the *Mississippi Board of Education 2016-2020 Strategic Plan*.

Recommendation: Approval

Back-up material attached

## **Executive Summary for Aquaculture Technology**

### **Pathway Description**

Aquaculture Technology is an instructional program designed to prepare students to enter occupations related to the field. Upon completion of the two-year program, graduates may become employed at the entry level or further pursue the field through a postsecondary program. The concepts taught in this program include aquatic animals and plants, basic water management, hatchery and culture methods, and aquatic farm management. Industry standards were adapted from the *Career Cluster Resources for Agriculture, Food, and Natural Resources*, which is copyrighted by the National Association of State Directors of Career Technical Education.

### **Industry Certification**

No national industry-recognized certifications are known to exist at this time in the field of aquaculture. Competencies and suggested performance indicators in the aquaculture technology course have been correlated, however, to the National Agriculture, Food, and Natural Resources (AFNR) Career Cluster Content Standards that have been reviewed and endorsed at the national level by the National Council on Agricultural Education.

### **Assessment**

The latest assessment blueprint for the curriculum can be found at <http://www.rcu.msstate.edu/Curriculum/CurriculumDownload.aspx>.

The back-up for Tab 03 is a large document so it is on the Career and Technical Education (CTE) web page for you to review if you would like. Below is the link to the CTE back-up materials.

“January 2018 CTE Board Items” hyperlink is: <http://www.mdek12.org/octe>

***CTE Backup for January 2018 Board Items***

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