



Richard Woods, Georgia's School Superintendent
"Educating Georgia's Future"

**Georgia Department of Education
Item for State Board of Education Approval
– Standards Adoption & Revision –**

Item Name

CTAE – Standards - Biomanufacturing Pathway

Recommendation – Action – Approval to Post for Public Comment

It is recommended that the State Board of Education grant permission for the posting of the Georgia Standards of Excellence for Introduction to Biomanufacturing, Essentials of Biomanufacturing, and Applications of Biomanufacturing for public review and comment.

Supports the Following Education Goal or Goals in the Agency Strategic Plan

- Expand educational opportunities and non-academics supports in order to maximize student engagement, meet student needs/interests, and ensure the relevance of learning.
- Increase the percentage of high school students who graduate ready for enrollment, employment, or enlistment.

Rationale

The biotechnology/pharmaceutical industry is one of the five targeted strategic economic sectors in Athens-Clarke County. Clarke County is the home to numerous bioscience employers, ranging from start-ups incubating at the University of Georgia to global companies like Boehringer Ingelheim and Johnson & Johnson. Biomanufacturing is unique in that it includes and requires skill sets and knowledge from both life sciences/biosciences and manufacturing. Through completion of the locally developed career pathway process, Clarke County School System along with multiple companies, industry partners, postsecondary institutions, and the Georgia Department of Education (GaDOE) collaborated to create a secondary career pathway in Biomanufacturing designed to provide students with the necessary skills for entry level employment in this field.

Details

The three proposed courses, Introduction to Biomanufacturing, Essentials of Biomanufacturing, and Applications of Biomanufacturing make up the proposed Biomanufacturing Pathway. The greater Athens Bioscience Industry guided the work of the specific skill sets and technical concepts students needed to complete during the pathway. Industry representatives, secondary and postsecondary educators, and members of the GaDOE's Career, Technical, and Agricultural Education Program Delivery Team were involved in the determination and identification of standards for the proposed courses. An advisory committee reviewed the draft standards and provided feedback. The writing team has made final adjustments to the draft standards for submission to the State Board.

Contact

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