

Abstract Submitted  
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**Grade Level Expectations: Do They Prepare Students for Introductory College Chemistry?**<sup>1</sup> M.M. DAVIES, Denham Springs High School, Denham Springs, LA 70726 — The Grade Level Expectations (GLEs) established by the Louisiana Department of Education are intended to ensure that students are prepared for introductory college level chemistry. A sample of students in an introductory Chemistry class at Louisiana State University were tested to confirm that knowledge of the GLEs (chemical concept inventory pre-test and post-test score and normalized gain) correlated with performance in CHEM 1201 (average exam score and final exam score). No significant correlations were found. In-state Louisiana public school students and out-of-state/private school students were then considered separately with the assumption that Louisiana public school students were educated using the GLEs as the framework for their Chemistry education while out-of-state/private school students were not. It was determined that both groups of students performed statistically similarly in every category with the exception of their final exam score, with the out-of-state/private school students performing better.

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