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James D White* (jwhite@cans.latech.edu), PO Box 3179, Ruston, LA 71272, and **Jenna P Carpenter** (jenna@coes.latech.edu), PO Box 10348, Ruston, LA 71272. *Integrating Mathematics into the Introductory Biology Laboratory Course.*

Louisiana Tech University has an NSF-CCLI funded integrated science curriculum for its math, chemistry, physics, computer science and secondary science education majors. The curriculum focuses on the calculus sequence and introductory labs in biology, physics, and chemistry. In the introductory biology laboratory course, the main objectives are to increase student awareness of 1) biology concepts behind the lab activities, 2) general science research skills and laboratory safety, and 3) relationships between biology concepts and concepts in mathematics and chemistry. These have been achieved by revising the lab experiments to incorporate more mathematics and chemistry concepts, as well as new technology involving computer-based sensors. In this talk we outline the project and highlight the challenges and opportunities associated with using this type of integrated approach to enhance learning, connect concepts and engage students. (Received September 22, 2006)