Christopher M Kuster* (ckuster@carrollu.edu), Carroll University, Department of Mathematics, 100 N East Ave, Waukesha, WI 53186, and John C Symms (jsymms@carrollu.edu), Carroll University, Department of Mathematics, 100 N East Ave, Waukesha, WI 53186. An Introductory Computational Thinking Sequence for Science Majors. Preliminary report.

This year, Carroll University is piloting a two-course introductory computational thinking sequence for students in bachelor of science degree programs. This sequence will eventually be proposed to be part of the general B.S. degree requirements at the University. The first course covers general computation techniques, mathematical modeling, algorithmic thinking, and data analysis. We will discuss course design as well as teaching experiences and measures of student learning. (Received September 08, 2010)