The research evaluated clinical training provided by the academic institutions that offer Bachelor of Science in Nursing (BScN) program. The purpose of the study was to describe the adequacy of clinical training and the graduates preparedness for nursing practice. The study was conducted from Sept. 2008 to March 2010. Design was cross sectional using questionnaires and focus group interviews (FGI) methods to collect data. The sample comprised of 232 subjects including pre-service BScN graduates and nursing supervisors at four teaching and referral hospitals in Kenya. Results revealed that clinical training provided by academic institutions was adequate but quality of training varied widely among the training institutions. The conclusion was that clinical training provided by BScN programs in Kenya was of high quality. The study recommends that urgent attention was required by nurse educators to address identified gaps in clinical training especially clinical instruction and supervision.