Chemotherapy tops the list of high-alert medications, outranking IV potassium chloride and insulin as a potential threat to patient safety (Institute for Safe Medication Practices [ISMP], 2003). Chemotherapeutic agents have a lower therapeutic index and narrower safety margins than other drug classifications (Sheridan-Leos, 2007). Even small errors may cause major harm because chemotherapy dosing is patient-specific based on body size or renal function. The potential for errors also exists because of the complex multidrug regimens, the variety of administration routes, and the spectrum of dosages based on the administration routes (Sheridan-Leos, 2007). The many variations in prescribing, mixing, dispensing, and administration related to these agents may lead to an increased potential for errors or lethal negative outcomes. Additional safety concerns associated with chemotherapy include the safe-handling precautions required by patients and healthcare providers. In addition, a number of chemotherapy and targeted therapies have expanded to nononcology populations. This complexity demands standardization of chemotherapy practice for all healthcare providers to ensure safe outcomes. This article describes one organization’s multidisciplinary effort to standardize chemotherapy practice according to the American Society of Clinical Oncology and Oncology Nursing Society’s 31 safety standards for chemotherapy administration. The article also describes how the organization integrated and developed standards of practice using interdisciplinary approaches. The educational processes used during implementation and the lessons learned are discussed to assist healthcare providers involved in standardizing chemotherapy administration. The article equips healthcare professionals with a multidisciplinary process for high-quality clinical standards of practice that may reduce errors and ensure safety.