Impurity Studies in CeCoIn$_5$ ABEBE KEBEDE, NC A&T State University, TERELL DIAL, NC A&T State University, NMFL-LOS ALAMOS COLLABORATION — Systematic alloy studies of CeTIn$_5$ ($T = \text{Co, Rh, Ir}$) reveal the stability of superconductivity in a wide range of composition; and in some cases it coexists with a magnetically ordered phase. We extended these studies to include (R, Ce)(Co, M)In$_5$ ($R = \text{Pr}$ and $M = \text{Fe, Mn}$). Our preliminary measurements indicate that the samples are single phase, and they exhibiting a wide range of transport and magnetic properties. In this communication we present the results of our resistivity and magnetic susceptibility measurements.