The title compounds were prepared by melting and annealing of stoichiometric mixtures of the elemental components in a high-frequency furnace. They are isotypic with Yb$_2$Ru$_3$Ga$_{10}$ ($P4/nmbm$, $Z = 2$). Their lattice constants were determined from X-ray powder data, and their crystal structures were refined from single-crystal X-ray data. Er$_2$Os$_3$Ga$_{10}$: $a = 883.4(1)$, $c = 636.7(1)$ pm, $R = 0.025$ for 506 $F_0$ values, and Tm$_2$Os$_3$Ga$_{10}$: $a = 883.2(1)$, $c = 633.6(1)$ pm, $R = 0.023$ for 568 $F_0$ values and 25 variable parameters each. The crystal structures of these intermetallic compounds are briefly discussed.

Key words: Rare Earth Metal Compounds, Osmium Intermetallics, Gallides