Let $\varphi$ be an analytic self-map of open unit disk $\mathbb{D}$. The operator given by $(C_{\varphi}f)(z) = f(\varphi(z))$, for $z \in \mathbb{D}$ and $f$ analytic on $\mathbb{D}$ is called composition operator. For each $p \geq 1$, let $S^p$ be the space of analytic functions on $\mathbb{D}$ whose derivatives belong to the Hardy space $H^p$. For $\alpha > -1$ and $p > 0$ the weighted Bergman space $A^p_\alpha$ consists of all analytic functions in $L^p(\mathbb{D}, dA_\alpha)$, where $dA_\alpha(z) = \frac{(1+\alpha)}{\pi} (1 - |z|^2)^\alpha dA(z)$ is the normalized weighted area measure.

In this talk, we characterize boundedness and compactness of composition operators act between weighted Bergman $A^p_\alpha$ and $S^q$ spaces, $1 \leq p, q < \infty$. Moreover, we give a lower bound for the essential norm of composition operator from $A^p_\alpha$ into $S^q$ spaces, $1 \leq p \leq q$. (Received September 15, 2014)