$$r_{c(ws)} = \frac{w_1 r_{c1}\sigma_1 + w_2 r_{c2}\sigma_2}{\sqrt{w^2{}_1\sigma^2{}_1 + w^2{}_2\sigma^2{}_2 + 2r_{12}w_1\sigma_1 w_2\sigma_2}}$$

(Correlation of a sum of two weighted measures with a third measure) (16.25)

where w_1 and w_2 = weights attached to measures X_1 and X_2, respectively.

c(ws) denotes correlation between the criterion and a weighted sum.
ci denotes correlation between the criterion and X_1.

Source:
Guilford, J. P. (1965). Fundamental statistics in psychology and education (4th ed.) New York: McGraw-Hill.

Formula 16.25 appears on page 427.