Diego Dominici* (dominicd@newpaltz.edu), 1 Hawk Dr., New Paltz, NY 12561. Mehler-Heine type formulas for Charlier and Meixner polynomials.

We derive Mehler–Heine type asymptotic formulas for Charlier and Meixner polynomials, and also for their associated families. These formulas provide good approximations for the polynomials in the neighborhood of $x=0$, and determine the asymptotic limit of their zeros as the degree $n$ goes to infinity. (Received July 17, 2014)