1077-14-2378 Alan Koch\* (akoch@agnesscott.edu), Department of Mathematics, 141 E. College Ave., Decatur, GA 30030. Cyclic Breuil modules and Hopf orders in characteristic p. Preliminary report. Let k be a perfect field of characteristic p > 0. We use the theory of Breuil modules over regular local rings to describe a class of Hopf algebras over the discrete valuation ring k[[t]]. We relate these to Hopf algebras over the residue field k and the field of fractions k((t)). (Received September 22, 2011)