1171-13-170 Tim Tribone* (ttribone@syr.edu). Matrix factorizations with more than two factors. Given an element f in a regular local ring, a matrix factorization of f is a pair of square matrices such that their product (in either order) is f times an identity matrix of the appropriate size. These objects were originally introduced by Eisenbud to study the hypersurface ring defined by f. In this talk, we will consider a generalization to factorizations by more than two matrices and present some extensions of well known properties which hold in this case. (Received August 10, 2021)