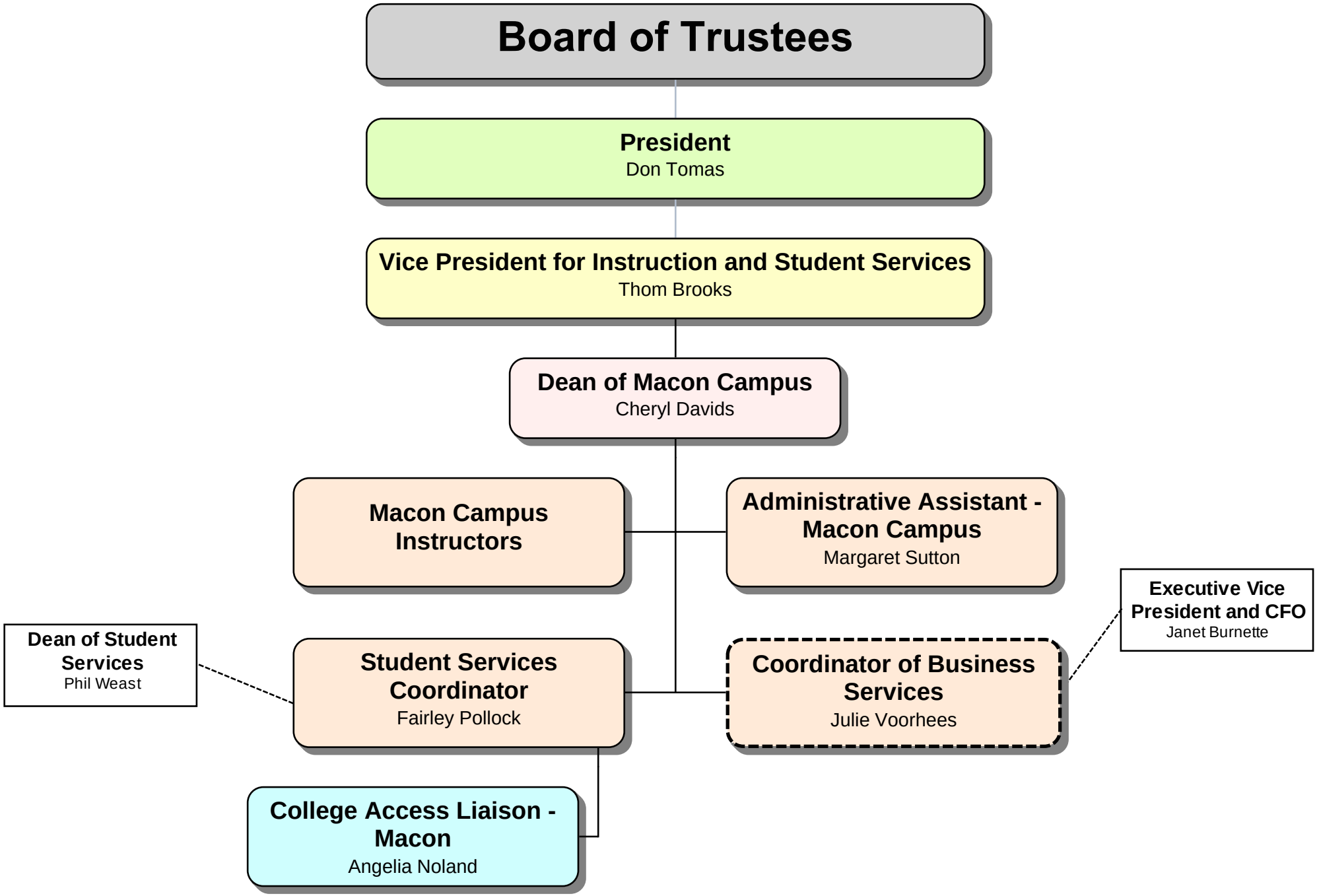Revised 5/1/2012