In this thesis, we study characterization by forbidden patterns of many classes of x-monotone drawings of complete graphs with various given restrictions. We generalize previously known characterizations of pseudolinear, semisimple, and simple drawings of K_n by showing that also bounded pseudoparabola drawings of K_n can be characterized by finite forbidden patterns. On the other hand, we show that there is no such finite characterization for extended pseudoparabola drawings of K_n. We strengthen our results even further to so-called (d_a, d_i)-degree drawings where integers d_a and d_i represent a number of crossings between adjacent and independent edges, respectively. We provide a full characterization by forbidden patterns of each class of (d_a, d_i)-degree drawings.