Born in 1997 in France, Chloé Dufossez started learning the flute at 7 with Ms. Marie-Pierre Glanowski. In 2006, in the National Music Competition of Lempdes, she won the Special Prize of the Jury led by Mr. Vincent Lucas, the principal flutist of the Orchestre de Paris and the teacher at both the C.R.R. and the C.N.S.M. de Paris. Chloé entered Mr. Lucas' class at C.R.R. de Paris in the following academic year and studied with him for seven years until she obtained the highest diploma in 2013. Chloé has attended masterclasses of many prominent musicians, including Michel Debost, Maxence Larrieu, Pierre-Yves Artaud, Félix Renggli, Philippe Pierlot, Michel Moraguès, Andrea Lieberknecht and Silvia Careddu. Together with her sister, clarinetist Julie, Chloé has been practicing chamber music since an early age under the guidance of Phlippe Ferro and Paul Meyer. The sisters were presented in a radio programme of France Musique "Génération Jeunes Interprètes" hosted by Ms. Gaëlle Le Gallic in 2010.

Chloé has won several first prizes in national music competitions during her studies in France. She is notably the Honour Prize winner of the International Music Competition Léopold Bellan in 2010 and the first prize winner for the chamber music in 2012. She won the second prize ex aequo (first prize not awarded) of the 9th International Flute Competition Leonardo de Lorenzo in 2013.

Since 2013, Chloé has been studying with Mr. José-Daniel Castellon at the Haute Ecole de Musique de Lausanne in Switzerland.