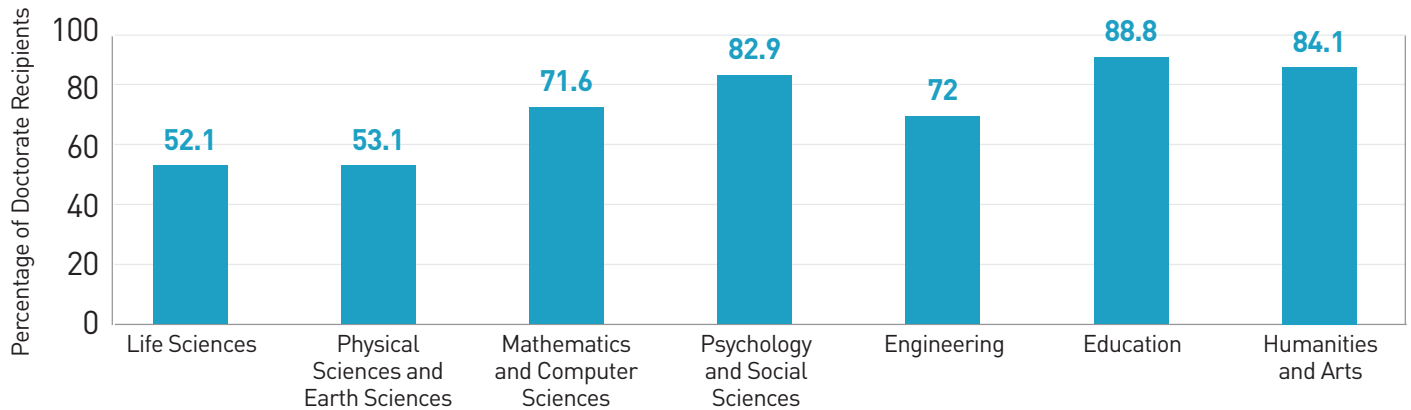




## Master's Degrees by Field Prior to Doctorate Degree in 2019

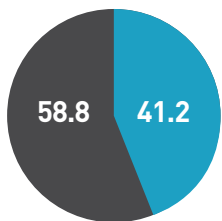
### Master's Earned by Doctorate Recipients – Broad Field



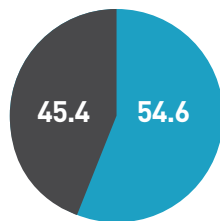
### Master's Earned by Doctorate Recipients – Fine Field

■ Master's Earned ■ No Master's Degree

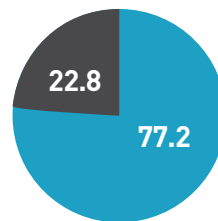
Biological and Biomedical Sciences



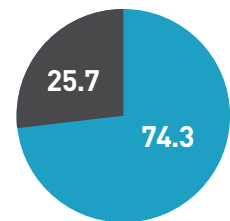
Biomedical Engineering



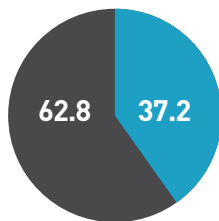
Agricultural Sciences and Natural Resources



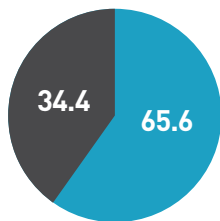
Health Sciences



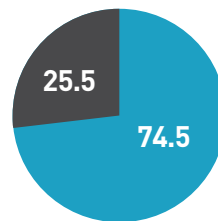
Chemistry



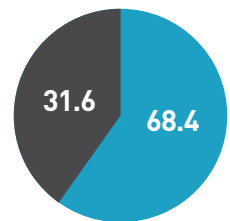
Physics and Astronomy



Computer and Information Sciences



Mathematics and Statistics



Earning a master's degree prior to a doctoral degree varies by field. Notably, biology related fields and chemistry do not appear to emphasize earning master's degrees as much as other science fields.